

Monthly Index *of* Russian Accessions



11015

11015-3000

V. 20, No. 5 - 6

AUG. - SEPT. 1967

Volume 20, No. 5

August

THE LIBRARY OF CONGRESS
WASHINGTON : 1967

HUMANITIES

CARNEGIE LIBRARY OF PITTSBURGH

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. *Biul. eksp. biol. i med.* 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves () around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, \$14.00 a year domestic, \$5.00 a year additional for foreign mailing.

L. C. card, 48-46562

* Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaOOU	University of Ottawa, Ottawa, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
AU	University of Alabama, University	CaOTR	Royal Canadian Institute, Toronto, Canada. (Collection included with CaOTU)
AkU	University of Alaska Library, College	CaOTRM	Royal Ontario Museum, Zoology and Paleontology Library, Toronto, Canada
AzTeS	Arizona State College, Tempe	CaOTU	University of Toronto, Toronto, Canada
AzU	University of Arizona, Tucson	CaOWA	Assumption University Library, Windsor, Canada
C	California State Library, Sacramento	CaOWU	University of Waterloo Library, Waterloo, Canada
CBPac	Pacific School of Religion, Berkeley	CaQMAI	Arctic Institute of North America, Montreal, Canada
CCC	Honold Library, Claremont, Calif.	CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal, Canada
CFS	Fresno State College, Fresno, Calif.	CaQMM	McGill University, Montreal, Canada
CL	Los Angeles Public Library	CaQMP	Pulp and Paper Research Institute of Canada, Montreal, Canada
CLCM	Los Angeles County Museum Library, Los Angeles	CaQMU	La Bibliothèque de l'Université de Montréal, Montreal, Canada
CLL	Los Angeles County Law Library, Los Angeles	CaSSU	University of Saskatchewan, Saskatoon, Canada
CLM	Los Angeles County Medical Association, Los Angeles	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CLSU	University of Southern California, Los Angeles	CoCA	U. S. Air Force Academy, Colorado Springs
CLSU-II	— Hancock Library of Biology	CoD	Denver Public Library
CLU	University of California at Los Angeles	CoDM	Medical Society of the City and County of Denver
CMHL	University of California, Lick Observatory, Mount Hamilton	CoFS	Colorado State University, Fort Collins
CPT	California Institute of Technology, Pasadena	CoU	University of Colorado, Boulder
CSF	San Francisco Public Library	CUIT	Trinity College, Hartford, Conn.
CSFA	California Academy of Sciences, San Francisco	CNle	Connecticut College, New London, Conn.
CSFU	University of San Francisco, San Francisco	CUU	University of Connecticut, Storrs
CSmH	Henry E. Huntington Library, San Marino, Calif.	CUW	Wesleyan University, Middletown, Conn.
CSU	Stanford University Libraries, Stanford, Calif.	CY	Yale University, New Haven
CSU-H	— The Hoover Institution on War, Revolution, and Peace	CY-L	— Law Library
CSU-L	— Lane Medical Library	CY-M	— Medical School Library
CSUS	University of California, Santa Barbara Library, Goleta	DAIA	American Institute of Architects Library, Washington, D. C.
CSTmaR	Rand Corporation, Santa Monica, Calif.	DAL	U. S. Army Library, Pentagon Building
CU	University of California, Berkeley	DAU	American University Library, Washington, D. C.
CU-A	— University of California, Davis	DBC	U. S. Bureau of the Census Library
CU-B	— Bancroft Library, Berkeley	DBS	U. S. National Bureau of Standards Library
CU-E	— East Asiatic Library, Berkeley	DC	U. S. Department of Commerce Library
CU-L	— Law Library, Berkeley	DCU	Catholic University of America Library, Washington, D. C.
CU-M	— Medical Center, San Francisco	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CU Riv	— College of Arts, Letters and Science, Riverside	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CU-S	— Scripps Institution of Oceanography, La Jolla	DFR	Board of Governors of the Federal Reserve System
CaAEU	University of Alberta, Edmonton, Canada	DGC	Gallaudet College Library, Washington, D. C.
CaBVA	Vancouver Public Library, Vancouver, Canada	DGW	George Washington University Library, Washington, D. C.
CaBVAU	University of British Columbia, Vancouver, Canada	DHEW	U. S. Department of Health, Education, and Welfare Library
CaBVIPA	Provincial Archives, Victoria, Canada	DHHP	U. S. Housing and Home Finance Agency Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DI	U. S. Department of the Interior Library
CaNBFW	University of New Brunswick, Fredericton, Canada	DI-GS	— Geological Survey Library
CaNSHD	Dalhousie University, Halifax, Canada	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CaOKQ	Queen's University, Kingston, Canada	DN	U. S. Department of the Navy Library.
CaOL	London Public Library, London, Canada	DN-HO	— Naval Oceanographic Office Library
CaOLU	University of Western Ontario, London, Canada	DN-OB	— Naval Observatory Library
CaOOA	Public Archives Library, Ottawa, Canada	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DNAL	National Agricultural Library
CaOOC	Carleton College, Ottawa, Canada	DNII	National Institutes of Health Library, Bethesda, Md.
CaOOF	Department of Finance Library, Ottawa, Canada	DNLM	U. S. National Library of Medicine
CaOOG	Geological Survey of Canada, Ottawa, Canada	DNW	U. S. National War College Library, Fort McNair
CaOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada		
CaOHI	Laboratory of Hygiene, Ottawa, Canada		
CaOOM	Bureau of Mines Library, Ottawa, Canada		
CaOON	National Research Council, Ottawa, Canada		
CaOONDR	Library, Directorate of Scientific Information Service, Defence Research Board, Ottawa, Canada		
CaOONM	National Museum, Ottawa, Canada		
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada		

DP	U. S. Patent Office Library	MCM	Massachusetts Institute of Technology, Cambridge, Mass.
DS	U. S. Department of State Library	MH	Harvard University, Cambridge, Mass.
DSC	Scottish Rite Supreme Council Library, Washington, D. C.	MH-A	— Arnold Arboretum, Jamaica Plain
DSI	Smithsonian Institution Library, Washington, D. C.	MH-AH	— Andover-Harvard Theological Seminary Library
DSI-AO	— Astrophysical Laboratory Library	MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
DSI-E	— Bureau of American Ethnology Library	MH-BL	— Biological Laboratories Library
DSI-M	— National Museum Library	MH-C	— Chemistry Library
DWB	U. S. Weather Bureau Library	MH-F	— Farlow Reference Library
DeU	University of Delaware, Newark	MH-FA	— Fogg Art Museum Library
FMU	University of Miami, Coral Gables, Fla.	MH-G	— Gary Herbarium Library
FTaSU	Florida State University, Tallahassee	MH-GM	— Gordon McKay Library
FU	University of Florida, Gainesville	MH-HY	— Harvard-Yenching Institute (Chinese and Japanese Library)
GASC	Georgia State College, Atlanta	MH-L	— Law School Library
GAT	Georgia Institute of Technology, Atlanta	MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
GEU	Emory University, Atlanta	MH-Mi	— Mineralogical Library
GU	University of Georgia, Athens	MH-O	— Astronomical Observatory, the Phillips Library
HU	University of Hawaii, Honolulu	MH-P	— Peabody Museum Library
HU-EWC	Center for Cultural and Technical Interchange between East and West	MH-PR	— Physics Research Library
I	Illinois State Library, Springfield	MH-SD	— Graduate School of Design Library
IArg	Argonne National Laboratory, Argonne, Ill.	MH-Z	— Museum of Comparative Zoology Library
IC	Chicago Public Library	MMeT	Tufts University, Medford, Mass.
ICA	Art Institute of Chicago, Chicago	MNS	Smith College, Northampton, Mass.
ICAC	American College of Surgeons Library, Chicago	MShM	Mount Holyoke College, South Hadley, Mass.
ICF	Chicago Natural History Museum, Chicago	MU	University of Massachusetts, Amherst
ICJ	John Crerar Library, Chicago	MWAlB	Brandeis University, Waltham, Mass.
ICN	Newberry Library, Chicago	MWclC	Wellesley College, Wellesley, Mass.
ICRL	Center for Research Library, Chicago. Midwest Interlibrary Center	MWbB	Marine Biological Laboratory, Woods Hole, Mass.
ICU	University of Chicago, Chicago	MDAN	U. S. Naval Academy, Annapolis
ICU-Y	Yerkes Observatory, Williams Bay, Wis.	MDBJ	Johns Hopkins University, Baltimore
ICarBS	Southern Illinois University, Carbondale	MdBJ-W	— William H. Welch Medical Library
IEN	Northwestern University, Evanston, Ill.	MdBWA	Walters Art Gallery, Baltimore
IEN-C	— Joseph Schaffner Library of Commerce, Chicago	MdU	University of Maryland, College Park
IEN-M	— Medical School Library, Chicago	MeB	Bowdoin College, Brunswick, Maine
IHi	Illinois State Historical Library, Springfield	MeWC	Colby College, Waterville, Maine
IU	University of Illinois, Urbana	Mid	Detroit Public Library
IU-M	— Medical Sciences Library, Chicago	MidA	Detroit Institute of Arts
IaAS	Iowa State University of Science and Technology, Ames	MidW	Wayne State University, Detroit
IaU	State University of Iowa, Iowa City	MIEM	Michigan State University, East Lansing
IaU-L	— College of Law Library	MIIdD	Dow Chemical Company, Midland, Mich.
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MIU	University of Michigan, Ann Arbor
IdU	University of Idaho, Moscow	MIU-C	— William L. Clements Library
In	Indiana State Library, Indianapolis	MIU-L	— Law Library
InIA	Indiana Academy of Science Library, Indianapolis	MiWar	General Motors Corporation, Research Laboratories Division, Warren, Mich.
InLP	Purdue University, Lafayette, Ind.	GMR	Carleton College, Northfield, Minn.
InNd	University of Notre Dame, Notre Dame, Ind.	MnNC	Mayo Clinic and Foundation Library, Rochester, Minn.
InU	Indiana University, Bloomington	MnRM	James Jerome Hill Reference Library, St. Paul
KAS	St. Benedict's College, Atchison, Kan.	MnSJ	University of Minnesota, Minneapolis
KMK	Kansas State University, Manhattan	MnU	— Department of Agriculture Library, St. Paul
KU	University of Kansas, Lawrence	MnU-A	— Bio-Medical Library
KU-L	— School of Law Library	MnU-B	— Law Library
KU-M	— Medical Center Library, Kansas City	MnU-L	Central College, Fayette, Mo.
KyU	University of Kentucky, Lexington	MoFC	Linda Hall Library, Kansas City
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MoKL	University of Missouri School of Mines and Metallurgy, Rolla
LU	Louisiana State University, Baton Rouge	MoRM	St. Louis Public Library
MA	Amherst College, Amherst, Mass.	MoS	Missouri Botanical Garden, St. Louis
MB	Boston Public Library	MoSB	St. Louis University, St. Louis
MBA	American Academy of the Arts and Sciences, Boston	MoSU	Washington University, St. Louis
MBAat	Boston Athenaeum, Boston	MoSW	— Medical School Library
MBCo	Countway Library of Medicine (Harvard-Boston Medical Libraries)	MoSW-M	University of Missouri, Columbia
MBM	Boston Medical Library, Boston	MoU	Mississippi State University, State College
MBN	Boston Society of Natural History, Boston	MsSM	University of Mississippi, Oxford
MBU	Boston University	MsU	Montana State College, Bozeman
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	MeBC	Montana State University, Missoula
		MIU	New York State Library, Albany
		N	Wells College, Aurora, New York
		NAurW	Brooklyn Public Library
		NB	Brooklyn Museum Libraries, Brooklyn
		NBB	Brooklyn College, Brooklyn
		NBC	

NBG	Brooklyn Botanic Garden, Brooklyn	NJN	Newark Public Library, Newark, N. J.
NBM	Academy of Medicine of Brooklyn Library, Brooklyn	NJP	Princeton University, Princeton, N. J.
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn	NJPT	Princeton Theological Seminary, Princeton, N. J.
NBndSL	Sarah Lawrence College, Bronxville, N. Y.	NJR	Rutgers University, New Brunswick, N. J.
NBuB	Buffalo Society of Natural Sciences, Buffalo	NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NBuU	University of Buffalo, Buffalo	NvU	University of Nevada, Reno
NCH	Hamilton College, Clinton, N. Y.	O	Ohio State Library, Columbus
NCornC	Corning Glass Works Library, Corning, N. Y.	OAKU	University of Akron, Akron, Ohio
NCaC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.	OCH	Hebrew Union College, Cincinnati
NIC	Cornell University, Ithaca, N. Y.	OCLloyd	Lloyd Library and Museum, Cincinnati
NIC A	State Colleges of Agriculture and Home Economics	OCU	University of Cincinnati, Cincinnati
NN	New York Public Library	OCI	Cleveland Public Library
NNA	American Geographical Society, New York	OCIBHS	Benedictine High School, Cleveland
NNBG	New York Botanical Garden, Bronx Park, New York	OCICS	Case Institute of Technology, Cleveland
NNC	Columbia University, New York	OCJC	John Carroll University, Cleveland
NNC L	Law Library	OCM	Cleveland Medical Library
NNC M	Medical Library	OCMA	Cleveland Museum of Art
NNC T	Tencher's College Library	OCW	Western Reserve University, Cleveland
NNCC	Chemists' Club, New York	OCaB	Battelle Memorial Institute, Columbus
NNCoCl	College of the City of New York, New York	ODW	Ohio Wesleyan University, Delaware, Ohio
NNCorM	Cornell University Medical College Library, New York	OHI	Ohio State Historical Society, Columbus
NNIE	Engineering Societies Library, New York	OKentC	Kent State University, Kent, Ohio
NNF	Fordham University, New York	OO	Oberlin College, Oberlin, Ohio
NNIS	Library for Intercultural Studies, New York	OOxM	Miami University, Oxford, Ohio
NNJ	Jewish Theological Seminary of America, New York	OSTe	Carnegie Library, Steubenville, Ohio
NNM	American Museum of Natural History, New York	OU	Ohio State University, Columbus
NNMM	Metropolitan Museum of Art Library, New York	OUCA	Chemical Abstracts, Ohio State University, Columbus
NNNAM	New York Academy of Medicine, New York	OKS	Oklahoma State University, Stillwater
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York	OkU	University of Oklahoma, Norman
NNR	Russell Sage Foundation, College of the City of New York	OrCS	Oregon State University, Corvallis
NNRI	Rockefeller Institute for Medical Research, New York	OrPR	Reed College, Portland, Ore.
NNU	New York University Libraries, New York	OrU	University of Oregon, Eugene
NNU-H	University Heights Library	P	Pennsylvania State Library, Harrisburg
NNU-M	Bellevue Medical Center Libraries (Includes Neuropsychiatric Library)	PBL	Lehigh University, Bethlehem, Pa.
NNU-W	Washington Square Library	PBm	Bryn Mawr College, Bryn Mawr, Pa.
NNUN	United Nations Library, New York	PHC	Haverford College, Haverford, Pa.
NPV	Vassar College, Poughkeepsie, N. Y.	PLF	Franklin and Marshall College, Lancaster, Pa.
NRE	Eastman Kodak Company, Rochester, N. Y.	PLaTS	Saint Vincent College and Archabbey Libraries, Latrobe, Pa.
NRU	University of Rochester, Rochester, N. Y.	PP	Free Library of Philadelphia
NSyU	Syracuse University, Syracuse, N. Y.	PPAN	Academy of Natural Sciences, Philadelphia
NUPB	U. S. Brookhaven National Laboratory, Upton, N. Y.	PPAmP	American Philosophical Society, Philadelphia
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.	PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
NYHl	International Business Machines Corporation, Thomas J. Watson Research Center, Yorktown Heights, New York	PPC	College of Physicians of Philadelphia
NhU	University of Nebraska, Lincoln	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NeD	Duke University, Durham, N. C.	PPF	Franklin Institute, Philadelphia
NeGW	Woman's College of the University of North Carolina, Greensboro	PPLas	La Salle College, Philadelphia
NeRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPPM	Philadelphia Museum of Art
NeU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NeU-H	Division of Health Affairs. (North Carolina Memorial Hospital)	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
NdU	University of North Dakota, Grand Forks	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
Nh	New Hampshire State Library, Concord	ppi	Carnegie Library of Pittsburgh
NhD	Dartmouth College, Hanover, N. H.	PPICl	Carnegie Institute of Tech
NhU	University of New Hampshire, Durham	PPIU	University of Pittsburgh, P
NJI	Irlington Free Public Library, Irlington, N. J.	PRosC	Rosemont College, Rosemont
NJMuA	Air Reduction Company, Inc., Central Research Department Library, Murray Hill	PSC	Swarthmore College, Swart
NJMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSt	Pennsylvania State University, Park
		PU	University of Pennsylvania
		PU-BZ	— Botany-Zoology Library
		PU-M	— Moore School of Electric Library
		PU-FA	— School of Fine Arts Libr
		PU-Math	— Mathematics-Physics Lib
		PU-Mu	— University Museum Libr
		PU-Penn	— Penniman Library of Ec
		PU-Sc	— Towne Scientific School
		RPB	Brown University, Providen
		RU	University of Rhode Island
		SeU	University of South Caroli
		TCU	University of Chattanooga, Tenn.

TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.	UU	University of Utah, Salt Lake City
TOU	Oak Ridge Associated Universities, Oak Ridge, Tenn.	ViBbV	Virginia Polytechnic Institute, Blacksburg
TU	University of Tennessee, Knoxville	VIRM	Medical College of Virginia, Richmond
TxCM	Agricultural and Mechanical College of Texas, College Station	VIU	University of Virginia, Charlottesville
TxDaM	Southern Methodist University, Dallas	ViU-L	— Law Library
TxHR	Rice Institute, Houston	ViW	College of William and Mary, Williamsburg
TxLT	Texas Technological College, Lubbock	VtMiM	Middlebury College, Middlebury, Vt.
TxU	University of Texas, Austin	VtU	University of Vermont and State Agricultural College, Burlington
ULA	Utah State University of Agriculture and Applied Science, Logan	WAP	Institute of Paper Chemistry, Appleton
UPB	Brigham Young University, Provo, Utah	WHI	State Historical Society of Wisconsin, Madison
		WU	University of Wisconsin, Madison
		WaU	University of Washington, Seattle
		WvU	West Virginia University, Morgantown
		WyU	Wyoming University, Laramie

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 20, NO. 5

AUGUST 1967

TABLE OF CONTENTS

Part A—Monographic Works

	Page
1. General	1735
2. Bibliography	1735
3. Philosophy & Religion	1735
4. History.....	1735
5. Social Sciences	1736
6. Political Science.	1738
7. Law	1739
8. Education	1739
9. Music, Theater & Motion Pictures	1739
10. Fine Arts	1740
11. Language, Literature & Folklore	1740
12. Geography & Geology.....	1744
13. Science.. ..	1745
14. Medicine.	1747
15. Agriculture.	1748
16. Technology.....	1749
17. Military & Naval Sciences	1753

Part B—Periodicals

1. General	
<i>a.</i> Scholarly journals	1755
<i>b.</i> Popular magazines.....	1759
2. Bibliography	
<i>a.</i> Bibliography	1760
<i>b.</i> Libraries & library science.....	1760
<i>c.</i> Printing & the book trade.....	1760
3. Philosophy & Religion	
<i>a.</i> Philosophy.....	1760
<i>b.</i> Religion.	1761
4. History	
<i>a.</i> General.....	
<i>b.</i> Archaeology & antiquities	
5. Social Sciences	
<i>a.</i> Commerce.....	1762
<i>b.</i> Economics.....	1763
<i>c.</i> Finance.....	1765
<i>d.</i> Labor.....	1765
<i>e.</i> Sociology.....	1766
6. Political Science.....	1766
7. Law.....	1769
8. Education	
<i>a.</i> General.....	1770
<i>b.</i> Physical education & games.....	1773

	Page
9. Music, Theater & Motion Pictures	
a. Motion pictures	1773
b. Music	1774
c. Theater	1774
10. Fine Arts	
a. General	1774
b. Architecture	1775
11. Language, Literature & Folklore	
a. Language	1774
b. Literature & folklore	1775
12. Geography & Geology	
a. Ethnology	1776
b. Geography	1776
c. Geology & paleontology	1777
13. Science	
a. General	1779
b. Astronomy	1786
c. Biology	1788
d. Chemistry	1793
e. Mathematics	1802
f. Physics	1803
14. Medicine	
a. General	1809
b. Gynecology, obstetrics & pediatrics	1813
c. Neurology & psychiatry	1813
d. Ophthalmology & otorhinolaryngology	1814
e. Pathology & therapeutics	1814
f. Pharmacy & materia medica	1815
g. Public health & nursing	1816
h. Surgery & dentistry	1816
i. Venereology & dermatology	1821
15. Agriculture	
a. General	1817
b. Animal industry	1819
c. Forestry	1820
d. Plant culture	1821
16. Technology	
a. General	1822
b. Aeronautics	1827
c. Chemical technology	1828
d. Civil & construction engineering	1832
e. Electrical engineering	1833
f. Industries & trades	1830
g. Mechanical engineering	1842
h. Mining & metallurgy	1848
17. Military & Naval Sciences	
a. Military science	1857
b. Naval science	1858
Part C—List of Periodicals Indexed and Abbreviations Used	1859
Subject Index to Monographs and Periodicals	1860

Periodicals Available in English Translation Cover-to-Cover. *stripped*

- [ON THE STATE BUDGET OF THE R. S. F. S. R. FOR 1967 AND THE CARRYING OUT OF THE STATE BUDGET OF THE R. S. F. S. R. FOR 1965, a report and closing address by L. I. Fadcev, Deputy Minister of Finance of the R. S. F. S. R. at the 8th session of the 6th Supreme Soviet of the R. S. F. S. R., December 22-23, 1965. The law of the Russian Soviet Federative Socialist Republic on the State Budget of the Russian Soviet Federative Socialist Republic for 1967] O gosudarstvennom byudzhet RSFSR na 1967 god i ob ispolnenii gosudarstvennogo byudzhetia RSFSR za 1965 god, doklad i zaklyuchitel'nye slova Ministra finansov RSFSR deputata Fadeeva L. I. na vos'mom sessii Verkhovnogo Soveta RSFSR shestogo sozyva 22 i 23 dekabrya 1965 goda. Zakon Rossijskoi Sovetskoi Federativnoi Sotsialisticheskoi Respubliki o gosudarstvennom byudzhet Rossijskoi Sovetskoi Federativnoi Sotsialisticheskoi Respubliki na 1967 god. Moskva, Finansy, 1967. 38 p.
- OREL, L. E., ed. [Pre-term discharge according to Soviet criminal law, abstracts of lectures] Uslovno-dosrochnoe osvobodzhenie ot tisheniya svobody po sovet-skomu ugolovnomu pravu, konspekti lekttsii. Khar'kov, 1966. 42 p. (CSI-II)
- OVSYANNIKOV, S. G. [Economic analysis of the operation of agricultural enterprises] Ekonomicheskiy analiz delatel'nosti sel'skokhoziaistvennykh predpriyatii. Izd. 2, ispr. i dop. Minsk, Vysshelashka shkola, 1967. 208 p.
- OVSYENKO, V. E., and E. G. VITALINA. [Problems of statistical theory in V. I. Lenin's works] Voprosy statisticheskoi nauki v trudakh V. I. Lenina. Moskva, Statistika, 1967. 200 p.
- OZERSKII, A. IA. [Combustible stone] Gorluch-kamen' [Moskva] Molodala gvardia, 1958. 188 p. (IEN)
- POKLAD, I. L., ed. [Course in accounting] Kurs bukhal'terskogo ucheta. Izd. 3., perer. i dop. Moskva, Finansy, 1967. 476 p.
- [POLITICAL ECONOMY, a course of lectures] Politika ekonomiya, lektitsy kursa. Riga, Liesma. Book 2. 1965. 493 p. [In Latvian]
- [POLITICAL ECONOMY, precapitalist and capitalist methods of production] Politicheskaya ekonomiya, dokapitalisticheskie i kapitalisticheskie sposoby proizvodstva. Pod red. E. IA. Breggela i A. D. Smirnova. Moskva, Vysshaya shkola, 1965. 571 p. (CSI-II)
- [PURCHASING PRICES AND THE NET INCOME] Zagotovleniye iseny i chisty dokhod. Moskva, Ekonomika, 1967. 169 p.
- ROZANTSEV, S. N., and A. V. SHATKOVSKII. [Work pertaining to housing and services in the village, a handbook for the trade-union activists] Zhitel'skoye bytovaya rabota na sele; spravochnik profaktivista. [Moskva] Profizdat, 1964. 150 p. (CSI-II)
- RUCHNI, S. M. [Improving accounting in an enterprise, experience of the Gorky Automobile Plant] Sovershenshtvovanie ucheta na predpriyatii, opyt Gorkovskogo avtozavoda. Moskva, Finansy, 1967. 142 p.
- RUMIANTSEVA, Z. P. [Mathematical methods in planning civil aeronautics] Matematicheskie metody v planirovani grazhdanskoi aviatsii. Moskva, Transport, 1967. 189 p.
- RUSSIA (U. S. S. R.) Tsentral'noe statisticheskoe upravlenie [Instructions for assigning materials and products of various grades, marks, and sizes to individual list codes of inventory forms] Ukazaniya po otneseniyu materialov i izdelii razlichnykh sortov, marek i razmerov k odel'nym shifrarny nomenklatury perepisnykh blankov. Moskva, Statistika, 1965. 91 p.
- RUSSIA (U. S. S. R.) Tsentral'noe statisticheskoe upravlenie, [Instruction on the procedures for conducting the all-Union population census of 1959 and for the filling of the questionnaire] Instruktoria o poriadke provedeniya vsesoyuznoi perepisi naseleniya 1959 goda i zapolneniya perepisnogo lista. Moskva, Gosstatizdat, 1958. 28 p. (DBC)
- SARIEV, N. L., and others. [Accounting and standard calculations on electronic computers] Uchel i normativnye raschety na elektronnykh vychislitel'nykh. Moskva, Finansy, 1967. 150 p.
- SEDOVSKII, G. P. [Monetary savings of the population; textbook for lecturers and discussion leaders] Denezhnye sberazheniya naseleniya, posobie dlia provedeniya dokladov i besed. Moskva, Finansy, 1967. 44 p.
- SEMINAR "EKONOMICHESKAYA KIBERNETIKA I ISLEDOVANIE OPERATSII." [Seminar "Economic cybernetics in the study of operations", papers] Seminar "Ekonomicheskaya kibernetika i issledovanie operatsii", doklady. Kiev, Naukova dumka. Nos. 1-3. 1966. 3 v.
- SENCHENKO, V. I. [Leninist principles of industrial management in action] Leninski priynatyy upravlinnia hospodarstvom v dlii Kyiv, Znannya, 1966. 45 p. (CaOTU)
- SHARMA, TULSI RAM. [Distribution of industry in India. Translated from the English] Razmeshchenie promyshlennosti v Indii. Predisl. i red. A. I. Levkovskogo. Moskva, Izd-vo inostr. lit-ry, 1958. 416 p. tables, maps (part fold.) (HU-EWC)
- SHUVALOV, E. L., A. M. MOSHKIN, and V. M. ZHURAVLEV. [Economic geography of the U. S. S. R.; a textbook for students of secondary schools] Ekonomicheskaya geografiya SSSR; uchebnoe posobie dlia uchashchikhsia srednei shkoly. Moskva, Prosveshchenie, 1965. 335 p. illus., diagrs., maps. (CaOTU)
- SINIYVINA, V. S. [Machine processing of accounting information in electric equipment industry enterprises; practice of the V. V. Kulbyshev Electric Equipment Plant in Moscow] Mekhanizirovannaya obrabotka ucheto informatsii na predpriyatii elektrotekhnicheskoi promyshlennosti, opyt Moskovskogo elektroavoda imeni V. V. Kulbysheva. Moskva, Statistika, 1966. 143 p.
- [SOCIALISM, THE FIRST PHASE OF COMMUNISM] Sotsializm - pervaya faza kommunizma. Moskva, Vysshaya shkola, 1967. 149 p.
- SOLOLOV, F. M., and A. N. LIUBIMOV. [The trade and financial plan of a store] Torgfinplan magazina. Moskva, Ekonomika, 1967. 143 p.
- SOLOPENKO, M. I. [Establishing norms for working capital in chemical production] Normirovanie obratnykh erodstv v khimicheskoi proizvodstve. Kiev, Tekhnika, 1967. 129 p.
- SUKHOMLINSKII, V. A. [Difficult fates] Trudnye sud'by. Moskva, Znaniye, 1967. 77 p. (Narodnyi universitet; Pedagogicheskii fakul'tet, 3)
- SVERDLIK, SH. B., and S. I. SITEINBERG. [The strategy of search, economic work in industrial enterprises under the new conditions] Strategiya polska, ekonomicheskaya rabota na promyshlennykh predpriyatiakh v novykh usloviyakh. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1967. 137 p.
- SYCHEV, N. G., ed. [Finances of enterprises and branches of the national economy] Finansy predpriyati i otraslei narodnogo khoziaistva. Kollektiv avtorov pod rukovodstvom N. G. Sycheva. Moskva, Finansy, 1967. 423 p.
- SYRODOEV, N. A. [Allotment of land for governmental and public-service organizations] Otvod zemel' dlia gosudarstvennykh i obshchestvennykh organizatsii. Moskva, Iurid. lit-ra, 1967. 103 p.
- [THE TENTH ANNIVERSARY OF THE LEAGUE OF THE UKRAINIAN CATHOLIC WOMEN OF EASTERN CANADA; a jubilee collection of articles and reports published for history and future generations] Desiaty letshchya Ligy ukrains'kykh katolyts'kykh zhinkov Skhidnoi Kanady; luvletnyi zbirnyk stattei i zvitiv. Dlia istorii i pryedeshnykh pokolin'. Toronto, Vyd. Ekzekutyvna Ligy ukrains'kykh katolyts'kykh zhinkov Skhidnoi Kanady, 1957. 126 p. (Cou)
- [TIME NORMS AND PRICES FOR THE REPAIR OF AGRICULTURAL MACHINERY, a handbook for collective and state farm efficiency experts] Normativy vremeni i rascheni na remont sel'skokhoziaistvennoi tekhniki; posobie dlia normirovani shchikov sovkhozov i kollektivov. 2, dop. i ispr. izd. Moskva, Rossel'khozizdat, 1966. 346 p. (CSI-II)
- TOMASEVICH, F. A. [Public prosecutors' supervision of the observance of laws in places of detention] Prokurorski nadzor za sobludieniem zakonosti v mestakh lisheniya svobody. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 49 p. (CSI-II)
- TURETSKII, SH. IA. ed. [Developing services and the principles of price determination for consumer services] Razvitiye uslug i printsipy tsenobrazovaniya na bytovykh uslug. Moskva, 1966. 198 p.
- UCHASTKINA, Z. V., ed. [Organization and planning of production at woodpulp and paper manufacturing enterprises] Organizatsiya i planirovanie proizvodstva na tselulozno-bumazhnykh predpriyatiakh. Moskva, Lesnaya promyshl., 1967. 356 p.
- UKRAINIAN AMERICAN YOUTH ASSOCIATION, INC. [Program and statutes of the Ukrainian American Youth Association. With amendments adopted at the Sixth General Congress, November 17-18, 1956, New York] Programma i statut Spilky ukrains'koi molodi Ameriky. Dopovnyeni i vypaveni VI-ym Holovnym z'izdom SUMA, sheho vidbuvaiia 17 i 18 lystopada 1956 roku v Niu Yorku. New York, Vyd. Holovnoi upravy SUMA, 1956. 32 p. (NN)
- VOLODIN, V. S. [Wages under the conditions of socialist capitalism] Zarabotnaya plata v usloviyakh sotsialisticheskogo kapitalizma. [Moskva] Izd-vo Mosk. univ., 1967. 313 p.
- VOVKO, D. A. [The Ukraine in the international economic relations of the U. S. S. R.] Ukraina v mezhdunarodnykh ekonomichnykh zvl'yakakh SSSR. Kyiv, Politykdav Ukrainy, 1966. 97 p. (CSI-II)
- ZELENSKII, V. I. [Native places, sketches] Rodnye mesta, ocherki. [Baku] Aftabkoo knizhnoe izd-vo, 1965. 93 p. (MI)
- ZHOGIN, N. V. [The struggle against hoodlums in everyday life] Borba s khuliganstvom v dnevnykh i kazhdogo. Moskva, Iurid. lit-ra, 1967. 64 p.
- ZIMIN, G. L. [Commercial service of an enterprise] Kommercheskaya sluzhba predpriyatiya. [Leningrad] Lenzdat, 1967. 55 p. (Shkola sotsialisticheskogo khoziaistvovaniya)
- ZOLOTA VINA, S. I. [Loan capital and the interest rate] Soudnyi kapital i soudnyi protsent. [Saratov] Izd-vo Saratovskogo univ., 1966. 54 p. (CSI-II)
- ZORIN, V. S. [Uncrowned kings of America] Nekoronyvanyye koryoly Ameriki. Izd. 2., dop. Moskva [Izd. lit-ry] 1967. 343 p.
- ZORINA, Z. A. [Communism and incentives for work, a textbook] Kommunizm i stimuly k trudu; uchebnoe posobie. Sverdlovsk, 1964. 36 p. (CSI-II)
- ZVEREV, A. P. [Balance of the labor resources in the collective farms of Irkutsk Province, 1960-1970] Balans trudovykh resursov kollektivov Irkutskoi oblasti (1960-1970 gg.). [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1966. 110 p.
- ZYKOV, V. P. [My good fortune, Divnogorsk] Moya dobra moye - Divnogorsk. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1965. 174 p. (CSI-II)

6. POLITICAL SCIENCE

- ABOLTIN, V. IA., ed. [The policy of states and disarmament, published in 3 books] Politika gosudarstv i razoruzhenie, Izd. v trokh knigakh. Moskva, Nauka [Book 1. The U. S. S. R., the U. S. A., and disarmament] SSSR, SSHA i razoruzhenie. 1967. 100 p. [Book 2. Western Europe, militarism and disarmament] Zapadnaya Evropa, militarizm i razoruzhenie, 1966. 153 p.

- ARZHANOVA, V. F., and others. [Studies on the history of the Gorky Province organization of the CPSU] Ocherki istorii Gorkovskoi organizatsii KPSS. Gorkii, Volgo-Viat'skoe knizhnoe izd-vo. Pt. 2. 1918-1941. 1966. 440 p.

- BARANOV, E. P. [To people with truth; a story about B. A. Kuvarin, a propagandist from Motovilikha] K ljudiam - s pravdoi, rasskaz o motovilikhskom propagandiste B. A. Kuvarino. [Perm'] Permskoe knizhnoe izd-vo, 1966. 66 p.

- BREZHNEV, L. I. [The 47th anniversary of the Great October Socialist Revolution; an address held at the ceremonial meeting of November 6, 1964, in the Kremlin Palace of Congresses] 47-igodovshchina Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii; doklad na torzhestvennom zasedanii v Kremlovskom Dvortse s'ezdov 6 noiabria 1964 goda. Moskva, Politizdat, 1964. (MH)

[DIPLOMATIC CORPS IN MOSCOW] Diplomaticheskii korpus v Moskve. [n.p.] Ilus', 1966. 193 p.

[FRIENDSHIP IN ACTION] Druzhba na dele. Dreaden, Zeit im Bild [1965] 63 p. illus. (CSI-II)

INSTITUT ISTORII PARTII, Alma-Ata. [Problems in the history of the Communist Party of Kazakhstan.] Voprosy istorii Kommunisticheskoi partii Kazakhstana. Alma-Ata, "Kazakhstan," 1965. 330 p. (NIP)

KIRILENKO, A. P. [Under the banner of Leninism to new victories of the October Revolution, a speech delivered at a solemn meeting in Moscow dedicated to the 97th anniversary of V. I. Lenin's birth. Pod znamenem leninizma - k novym pobedom dela Oktobrskoi revoliutsii: doklad na tozhestvennom zasedanii v Moskve, posvyashchennom 97-letiyu godovshchine so dnya rozhdeniya V. I. Lenina Moskva, Politizdat, 1967. 31 p.

KITAEV, V. P., N. A. KLEPACH, and I. V. SHESHKOV [The 23rd Congress of the CPSU is an important phase in the struggle for communism] XXIII s'ezd KPSS - vazhnyi etap bor'by za kommunizm. Moskva, Znanie, 1966. 37 p. (Novoe v zhizni, nauke, tekhnike. I Seriya Istoriya, 20) MIL-I

KRETOV, F. D. [Introduction to studies in the history of the CPSU] Vvedenie k izucheniyu istorii KPSS. Moskva, Mysl', 1967. 23 p.

KULAGIN, V. M. ["Realism" versus anticomunism] "Realizm" protiv antikomunizma. Moskva, IMO, 1967. 141 p.

SAKOV, M. P. [Economic and political problems in the work of the CPSU] Ekonomika i politika v delatelnosti KPSS Moskva, Znanie, 1967. 63 p. (Novoe v zhizni, nauke, tekhnike. XV Seriya Istoriya i politika KPSS, 3)

SEVRIKOV, K. I., ed. [Deputy of the Supreme Soviet, sketches on the work of the deputies] Deputat Verkhovnogo Soveta, ocherki o rabote deputatov. Moskva, Iurid. lit-ra, 1966. 71 p. (ICU) (NIC)

SHABANOV, F. SH. [Governmental and legal system of Turkey during the Tanzimat] Gosudarstvennyi i stol' pravo va sistema Turtsii v period tanzimata. Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR, 1967. 202 p.

SVERCHIKOVA, T. F. [Activity of the CPSU in realizing Lenin's principles of party propaganda] Deiatel'nost' KPSS po osushchestvleniyu leninskikh printsipov partiinogo propagandy. [Saratov] Izd-vo Saratovskogo univ., 1966. 56 p.

TUGANBAEV, A. SH. [The October Revolution and the development of the Soviet Kazakh national state system] Oktobrskaya revoliutsiya i razvitiye kazakhskoe sovetskoe natsionalno gosudarstvennost'. Alma-Ata, "Kazakhstan," 1967. 131 p.

ZDANOVICH, S. F. Karl Bauman. Moskva, Politizdat, 1967. 64 p.

ZLENKO, A. N. [Soviets, the universal organization of the people] Rady - vseobshchepiluchna organizatsiia naroda. Kyiv, Politydav Ukrainy, 1966. 66 p.

7. LAW

ARMENIAN S.S.R. Constitution. [Constitution (fundamental law) of the Armenian Soviet Socialist Republic. With amendments adopted at the fourth, fifth, sixth, and seventh sessions of the Sixth Supreme Soviet of the Armenian S.S.R.] Konstitutsiya (osnovnoi zakon) Armianskoi Sovetskoi Socialisticheskoi Respubliki. S izmeneniyami i dopolneniyami, priinytymi na chelvertoi, piatoli, shestoli i sed'moli sessiakh Verkhovnogo Soveta Armianskoi SSR shestogo sozyva. Erevan, Alastan, 1966. 20 p. (NIC)

ASKEROV, E. I. [International law] Dojnelkhalg hugug; dora vesaili. Baky, Maarif, 1966. 200 p. [In Azerbaijani]

GEVORGIAN, S. V. [Inheritance according to Soviet civil law. Nasledovanie po sovetskoiu grazhdanskoiu zakonodatel'stvu. Erevan, Alastan] 1966. 234 p. [In Armenian]

GORSHEV, K. P. [Codification of labor law; theoretical problems] Kodifikatsiya zakonodatel'stva o trude; teoreticheskie voprosy. Moskva, Iurid. lit-ra, 1967. 223 p.

IVANOV, V. N. [Criminal laws protect the basic rights of citizens] Ugolovnopravovaya okhrana osnovnykh prav grazhdan. Moskva, Iurid. lit-ra, 1967. 134 p.

KAZAKHSHII NAUCHNO-ISSLEDOVATELSKII INSTITUT OKHRANY MATERINSTVA I DETSTVA [Practical advice on the methods and forms of social and legal work in children's homes and the institutions of child-birth instruction, a methodological letter] Prakticheskie rekomendatsii o metodakh i formakh sotsial'no-pravovoi raboty v detskikh i rodovospitatel'nykh uchrezhdeniyakh, metodicheskoe pis'mo. Alma-Ata, "Kazakhstan," 1966. 20 p. (CSI-II)

LATVIAN S.S.R. Constitution. [Constitution (fundamental law) of the Latvian Socialist Republic. With amendments and supplements adopted by the 11th session of the Sixth Supreme Soviet of the Latvian S.S.R.] Latvijas Padomju Socialistiskas Republikas konstitucija (pamatlikums). Ar grozījumiem un papildinājumiem, ko Latvijas PSR Augstākā Padome pieņēmusi sestā sesijā. Rīga, Liesma, 1967. 20 p. [In Latvian]

SHELESTOV, V. S. [Business contracts, concepts, forms. Summary of lectures for students of Kharkov Law Institute] Khlozistvennye dogovory, poniatie, vidy. Konspekt lektsii dlia studentov Kharkovskogo iuridicheskogo instituta. Kharkov, 1965. 41 p. (CSI-II)

SVERDLOVSKII IURIDICHESKII INSTITUT. Kafedra grazhdanskogo prava. [Civil code of the R.S.F.S.R., a textbook and practical manual] Grazhdanskii kodeks RSFSR; uchebno-prakticheskoe posobie. Otv. red. O. A. Krasavchikov. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1965. 2 v (CSI-II)

UKRAINE. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Ukrainian S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., December 12, 1956. With amendments introduced by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., November 12, 1966] Polozhennia pro vybory do Verkhovnoi Rady Ukrainy kol RSR. Zatverdzeno Ukazom Prezidium Verkhovnoi Rady Ukrainy kol RSR vid 12 hru dnia 1956 roku. I zminamy i dopovneniamy, vnesenyi Ukazom Prezidium Verkhovnoi Rady Ukrainy kol RSR vid 12 lystopada 1966 roku. Kyiv, Politydav Ukrainy, 1967. 20 p.

VINOGRADOV, I. V., G. I. KOCHAROV, and N. A. SELIVANOV. [Expert evidence in preliminary investigation] Ekspertizy na predvaritel'nom sledstvi. Izd. 2., pecher. i dop. Moskva, Iurid. lit-ra, 1967. 247 p.

ZAVEROTKO, P. P., and M. I. SHTEFAN. [Practical manual on Soviet civil procedure] Praktichnyi posibnyk z radian'koho tsyvil'nogo protsesual'nogo prava. [Kyiv] Vydv-vo Kyivs'koho univ. No. 1. [Procedural documents] Protseual'ni dokumenty. 1966. 171 p.

8. EDUCATION

AZERBAIJAN. Ministerstvo prosveshchenie. [Curricula for 8-year schools; biology. For the 5th-8th grades] Sektsiitlik mekteb programlary biolokiya V-VIII sinifler uchun. Baky, Maarif, 1967. 39 p. [In Azerbaijani]

CHUKOVSKII, K. I. [From two to five] Ot dyukh do piati. [M. Izd., ispr. i dop. Moskva, Prosveshchenie, 1966] 398 p. illus. (NRU)

[CURRICULA OF SECONDARY SCHOOLS FOR THE 1962/1963 SCHOOL YEAR; history of the U.S.S.R. and the modern and recent history of foreign countries for the 9th-11th grades] Programme pentru shkoola medie po anul shkolar 1962-1963; Istoria uniunii RSS, Istoria noue sibi Istoria contemporane a tserilor de peste hotare. Klasse IX-XI. Kishinev, Kartia Moldoveniaske, 1962. 78 p. [In Moldavian]

DADABAEVA, P. S. [Socially beneficial work of students in the history of the Soviet Kirghiz school, 1918-1964] Obshchestvenno poloznyy trud uchashchikhsia v istorii kirgizskoi sovetskoi shkoly (1918-1964 gg.). Pod obshch. red. i s predisl. A. E. Znamova. Frunze, Meklep, 1966. 142 p.

[EDUCATION OF CHILDREN IN THE FAMILY, a dictionary for parents] Semelnoe vospitanie; slovar' dlia roditel. Moskva, Prosveshchenie, 1967. 349 p.

HYRTSENKO, M. S. [Sketches of the history of schools in the Ukrainian S.S.R., 1917-1965] Narysy z istorii shkoly v Ukraini kol RSR, 1917-1965. Za red. S. A. Lytvynova. Kyiv, Rad. shkola, 1966. 259 p. (CSI-II)

KAIUROVA, R. A., and O. D. KUZ'MIN. [Education of schoolchildren in the spirit of internationalism] Okchylary Internationalizmu rukhunda terbielmelek ha [Ashgabat] Turkmeneshia, 1965. 95 p. [In Turkmen]

KAZAKEVICH, R. A., and S. Z. MANDEL'. [Scientific studies and cultural and educational activities of progressive students in the 1980's, The Scientific and Literary Society of the Students of St. Petersburg University] Nauchna i kul'turno-prosvetitel'skaya deiatel'nost' progressivnogo studentstva 80-kh godov XIX v. studentcheskoe nauchno-literaturnoe obshchestvo Peterburgskogo universiteta. [Leningrad] Izd-vo Leningr. univ., 1967. 73 p.

KOROBCHIKO, A. I., and I. Z. KADSON. [Problems of athletics in a school course in the history of the U.S.S.R.; materials for teachers] Voprosy atletizma shkol'nom kurse istorii SSSR, materialy dlia uchitel. Pod red. A. I. Zolenskogo. Minsk, Narodnaa asveta, 1966. 157 p.

KOSTIASHIKIN, E. G. [Extended-hours school] Shkol'noe prodlennoe dnia. Moskva, Prosveshchenie, 1965. 198 p. (NIC)

KRUT'KIN, V. M., I. A. KONARZHEVSKII, and V. D. KHOMUTSKII [The school and society] Shkola i obshchestvennost'. [Cheliabinsk] Iuzhno-Ural'skoe knizhnoe izd-vo, 1966. 47 p.

KUPERMAN, I. [Strategy of hundred-square checker] Strategiya v stokletochnykh shashkakh. Moskva, Fizkul'turni sport, 1964. 246 p. (OCU)

MIKHAILOVA, V. M. [Our older children] Nashi starišie deti. Moskva, Znanie, 1967. 150 p. [National university - Pedagogicheskii fakul'tet, 4/5]

MOSKOVSKII UNIVERSITET. [Handbook for students entering Moscow University] Spravochnik dlia postupaushchikh v Moskovskii universitet. Pod red. V. I. Trokina. [Moskva] 1967. 174 p.

MURADKHANOV, M., comp. [An aid for teachers of elementary grades] Ibratli shul muallimlari'na kom [Baky] Maarif, 1966. 245 p. [In Azerbaijani]

NARODNOE ODBRAZOVANIE V SOVETSKOM SOIUZE. Public education in the Soviet Union, 1903-1964. Moskva, M-vo prosv. RSFSR, 1964. 100 p. [In Russian, English, French, and Spanish]

[THE PROBLEM OF PERSONALITY FORMING AND THE INDIVIDUAL APPROACH TO STUDENTS] Problem formirovaniia lichnosti i individual'nyi podkhod k uchashchimsia. Pod red. A. I. Lipkhol'ta i V. P. Zagovoi. Moskva, Prosveshchenie, 1964. 101 p. (Pedagogicheskie chteniia) (NIC)

SAMUSEVICH, A. K. Minsk, "Belarus"

SHCHERBAN' BUTT. [technical professional] skva, Vyi

[STUDENT / Molodats (OLU)

UZBEK S.S. malodochi 7th and 8th schools o umumii ti VII-VIII s 29 p. [In

VLASOVA, mentally umstvenn Prosvash

9. MUSIC

ALIKBEROV ka, zovus gos. izd-v

CHERNAIA, E. S. [Mozart, his life and work] Molsari, zhizn' i tvorchestvo. [Izd. 2] Moskva, Muzyka, 1966 375 p.

TUTKEVICH, S. I. [Counterpoint of a stage director] Kontiunkt iezhisslera. Moskva [Iskusstvo] 1960, 446 p. (SVY)

LIUBINSKII, I. L. [The children's theater; what heroes should look like in Soviet diamaty for children and youth] Teatr dlia detei oblik gerola v sovetskoi drama-turgii dlia detei i iunoshesva. Moskva, Detskii lit-ra, 1965 142 p. (Dom detskoi knigi) (MIU)

[THE MOSCOW THEATER OF SATIRE] Moskovskii teatr satiry. [Moskva, Iskusstvo, 1966] 1 v. illus.

PIMENOV, V. F. [Life, dramaturgy, the theater; articles] Zhizn', dramaturgiia, teatr, stat'i. Moskva, Sov. pisatel', 1966, 375 p. (SVY)

RAABEN, L. N. [Lives of outstanding vtoinists, biographical sketches] Zhizn' zamechatel'nykh skripa-chel; biograficheskie ocherki [Moskva, Muzyka, 1967] 310 p.

SHTOK, I. V. [Stories about dramatists] Rasskazy o dramaturgakh. Moskva, Iskusstvo, 1967 293 p.

SHUSHKINA, Z. K. [Rhythmics] Ritmika Moskva, Muzyka, 1967, 70 p.

VEIS, P. F. [Practice in using visual aids at solfeggio lessons. Relative solmization and Soviet music peda-gogy] Opyt primeneniia nagladnykh posobii na urokakh sol'fedzhio. Otnositel'naia sol'mizatsiia i sovetskaiia muzyka'nala pedagogika. Leningrad, Muzyka, 1967. 41 p. (V pomoshch' pedagogu-muzykantu)

VYZGO, T. S. Aleksei Kozlovskii. Moskva, Muzyka, 1965, 150 p. (NIC)

10. FINE ARTS

ASTASHEV, E. I. [Daghestan; an album of works draw-ings, watercolors, and engravings] Dagestan, al'bom rabot risunok, akvarel', litogravura Leningrad, Khudozhnik RSFSR, 1962. 12 p. 12 plates. (CLU)

BARSKAIA, A. G. [Renato Guttuso] Renato Guttuso. Leningrad, Sov. khudozhnik [1965] 150 p. illus., plates (MH-FA)

BAUMANIS, K. Teodors Zalkalns, Riga, Llesma, 1966, 217 p. illus. [In Latvian]

BOCHAROV, G. N., and V. P. VYGOLOV. Vologda, Kiril'lov, Ferapontovo, Bolozersk. [Moskva, Iskusstvo, 1966] 294 p. (Khudozhestvennye pamiatniki XII-XIX vekov)

BRODSKII, B. I. [Abandoned cities] Poknutnye goroda. Moskva, Sov. khudozhnik, 1963. 147 p. illus. (IU) (MIU)

BUTORINA, E. I. Valerii Sergeevich Afanasovskii. [Moskva, Sov. khudozhnik, 1965] 123 p. (NIC)

FALIN, L. N. [Pogankin Manston] Pogankiny palaty. [Leningrad] Leningrad, 1966, 22 p. (Turistu o Pskove)

[IMPROVEMENTS OF TERRITORIES OF INDUSTRIAL ENTERPRISES] Blahoustrii terytorii promyslovnykh pldriemstv. Kiyv, Derzhbudvydav URSS, 1960, 172 p.

KOSAREVSKYI, I. O. Softivka, korolkyl putivnyk. So-ftevkaj a short guide-book. Kiyv, Budivelnik, 1967. 75 p. illus. [In Ukrainian, English and French]

KRAMSKOI, I. N. [Letters, articles] Pis'ma, stat'i. Moskva, Iskusstvo, 1965-1968. 2 v. (CaOTU)

MOLEVA, N. M., and E. M. BELIUTIN. [The Russian art school of the second half of the 19th and beginning of the 20th century] Russkaiia khudozhestvennaia shkola vtoroi poloviny XIX-nachala XX veka. Moskva, Iskusstvo, 1967. 389 p. 171 illus.

MONGAIT, A. L. Khudozhestvennye sokrovishcha Staroi Riazani. The art treasures of Old Ryzan. Moscow, Nauka, 1967. 24 p. illus. [In Russian and English]

PAVLOV, V. V. [Egyptian portraits of the 1st-4th cen-turies] Eghiptskii portret I-IV vekov. Moskva, Iskus-stvo, 1967. 86 p. 82 plates. (Iz istorii mirovogo iskusstva)

PETROV, G. F. [Piskarevskoye Cemetery] Piskarev-skoe kladbishcho [Leningrad] Leningrad, 1967. 38 p. (Tiu istu o Leningrade)

PLATONOV, G. D., and I. I. FOMIN. [Our house, our apartment] Nash dom, nasha kvartira. [Leningrad, Leningrad, 1965] 106 p. illus. (NIC)

PROROKOVA, S. A. Repn. [2, tspr. izd.] Moskva, Molodaii gvardia, 1960, 414 p. illus. (Zhizn' zame-chatel'nykh liudel. Seitia biografiia) (CoU)

[REGIONAL PLANNING, a guide for planners] Ratsionnii planirovka, v pomoshch' proektirovshchiku. Kiev, Budvel'nyk, 1968. 78 p. (V pomoshch' proektirov-shchiku, tema 1)

[REMARKABLE PAINTINGS, a reader on the history of Russian painting from the 18th to the beginning of the 20th century] Zamechatel'nye potolna, kniga dlia chitentsia po istorii russkoi zhyvopisi XVIII-nachala XX vekov. Leningrad, Khudozhnik RSFSR, 1966, 378 p. illus. (ICU)

REMBRANDT HERMANZON VAN RIJN. Rembrandt. Moskva, Gos. izd-vo izobraz, iskus., 1959. 1 v. 41 illus. (Mnasteia mirovogo iskusstva) (CU)

ROTACH, A. L. [The Aleksandr Column] Aleksandrov-skia kotouna. Leningrad, izd-vo lit-ry po stroitel'stvu, 1966, 79 p.

SEREDIUK, I. I. [Standard of your apartment] Kul'tura vashel kvartiry. Kiev, Budvel'nyk, 1967. 148 p.

SOKOL'NIKOV, M. P. V. V. Meshkov. Moskva, Iskus-stvo, 1967. 170 p.

ZIS, A. A. [Art and aesthetics, introduction to art criti-cism] Iskusstvo i estetika; vvedenie v iskusstvovede-nie. Moskva, Iskusstvo, 1967. 438 p.

11. LANGUAGE, LITERATURE & FOLKLORE

ABENOV, SHAKIR. [Kozy Korpesh, Batan sul; a poem. Kozy Korpesh, Batan sul, poema. Alma-Ata, Zhn-zushy] 1965. 114 p. [In Kazakh] (MH)

ABYZOV, V. I. [A distress signal, a tale] Signal bed-stvitya; povest'. [Moskva, Molodaii gvardia, 1966] 176 p. (Motodye pisatel') (NIC)

AGAIAN, E. B. [Declension and conjugation in modern Armenian; a structural analysis] Sklonenie i sprazhe-nie v sovremennoi armianskom iazyke; strukturalnyi analiz. Erevan, izd-vo Akad. nauk Armianskoi SSR, 1967. 403 p. [In Armenian]

ATMATOV, CHINGEZ [The field of motherhood; a tale. Translated from the Kirghiz] Maternskoe pole; povest'. [Moskva, Sov. pisatel', 1967] 133 p.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR. Funda-mental'naii biblioteka. [Geldar Gusetnov, 1908-1950, in bibliography] Geldar Gusetnov, 1908-1950; bibliogra-fia. Baku, izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 48 p. (Deiateli nauki i kul'tury Azerbaidzhana) (MH)

[ALONG THE ROAD INTO THE UNKNOWN; writers tell about science] Puti v neznakomoe; pisatel'i rasskazy-vali o nauke. Moskva, Sov. pisatel', No. 6, 1966, 420 p.

AMALIAN, G. M. [Lexicographic monuments of medi-eval Armenia, 5th-15th centuries] Leksikograficheskie pamiatniki srednevekovoi Armenii (V-XV vv.). Ere-van, izd-vo Akad. nauk Armianskoi SSR, 1966, 238 p. [In Armenian]

AMOSOV, N. M. [Thoughts and the heart, a tale] Mysti i serdse, povest'. Moskva, Khudozh. lit-ra. Book 2. 1967. 62 p. (Roman-gazeta, no. 7(379))

ANCHENKIN, V. N. [An arctic novel] Arkicheskiy ro-man. Moskva, Sov. pisatel', 1967. 574 p.

ANDREEV, K. K. [Science fiction] Nauchnaia fantastika, 1962 god. [Moskva] Molodaii gvardia, 1962. 100 p. (CoU)

ANDRIANOV, S. V. [An oblique] [Moskva] Glav. polit. upr. Morskogo Flota, 1966 46 p. (Sovetskii voen, 4(527))

ANISIMOV, I. I. [A new epoch of world literature] Novyi epokha vseimnoi literatury. Moskva, Iskusstvo, 1966, 688 p.

ANOUILH, JEAN. [Antigone. Antigone, Munch, Na tori, 1966. 100 p. ("Svitovyi teatr") (IU)

ANPILOGOVA, B. G., I. A. PRIGODIN, and I. A. SOSENKO. [Manual on the theory of the text, a supplement to "Textbook of the theory of the text, preparatory faculties] Pochetnyi kurs teorii teksta k "Uchebniku russkogo iazyka" dlia fakul'tetov. [Moskva] Izd-vo MGU, Pt. I, 1967, 105 p.

ANTONOV, S. F. [A picky gift; a tale] Podarok, rasskazy. Moskva, Iskusstvo, 1968 p. illus. (MIU)

ARGUTINSKAIA, I. A. [Two tales of a picky gift] Dva povesti. Pamia gneva, povest'. Izd. 2. Moskva, Iskusstvo, 1966, 308 p. (IEM)

DABUSHKIN, N. F. [The work of the writer] Tvorchestvo pisatel'. Novosibirsk, Zapadno-Sibirskii gos. univ., 1966, 172 p.

BAGRMIAN, RUBEN. [The Shakhmatshah] Shakhmatshah. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 284 p. [In Armenian] (MH)

BAKUNTS, AKSEL'. [Tales and stories from Armenian] Povesti i rasskazy. Erevan, izd-vo Akad. nauk Armianskoi SSR, 1962, 285 p. illus. (MH)

BARUZDIN, S. A. [Repetition of the past] Povesti i rasskazy. Erevan, izd-vo Akad. nauk Armianskoi SSR, 1967, 262 p. (Sovetskii voennyi romany)

BEL'CHIKOV, I. A. [Practical advice for the writer] Prakticheskie soveti dlia pisatel'ov i redaktorov. [Moskva] Izd-vo MGU, Pt. I, 1967, 105 p. (Sovetskii voennyi romany)

BELIAKOVA, A. M. [The red sky; a tale] Krasnaia nebo; rasskazy. Moskva, Sov. pisatel', 1967, 133 p.

BITSADZE, N. A. [A collection of texts for practice in spoken English] Sbornik tekstov dlia zhnenii dlia razvitiia navykov ustnoi rechi na russkom iazyku. Pod red. E. I. Klinkovskoi. Moskva, Iskusstvo, 1965, 181 p. (CU)

BLOK, A. A. [Selected verso. Izbrannaii versy. Moskva] Molodaii gvardia, 1966. 28 p. (Izbrannaii liriki)

BLOK, A. A. [The twelve] Dvenadtsat'. [Moskva, Kizh-dozh, lit-ra, 1966] 23 p. illus.

BLOK, G. P. [The Moscovites, a historical tale] Moskovskii zhizn, istoricheskaia povest'. Izd. 2. Moskva, Iskusstvo, 1965, 317 p. (Shkol'naii literat. muzei)

BOI'SHAKOV, L. N. [Close ties; a tale] Blizkie svyazi; Chuvashskie korrespondenty. vashskoe knizhnoe izd-vo, 1965, 71 p. (CaOTU)

BORODIN, S. P. Dmitrii Donskoi. [Moskva, Iskusstvo, 1963. 374 p.

BORODKIN, IURII. [Winds over the ravines] Vetry nad yarem. Iarosavl' [Verkhno-Volzhskaia guberniia, 1966] 81 p. (IEM)

- BORUN, KRZYSZTOF. [The verge of immortality. Translated from the Polish] *Gran' bessmeritiia*. Posleslovie G.I. Gurevicha. Moskva, Mir, 1967. 384 p.
- BOZEV, A. IU. [Derivation of nouns, adjectives and adverbs in the Karachay-Balkar language] *slovo-obrazovaniye imen sushchestvitel'nykh, prilagatel'nykh i mrezhchiv y karachaevo-balkarskom iazyke*. Na'chik, Kabardino-balkarskoe knizhnoe izd-vo, 1965. 87 p. (NKC)
- BRIANTSEV, G.M. [The emir's blade. The end of the hornet's nest] *Kinok emira. Konets osynogo gnezda*. Moskva [Voenizdat] 1964. 581 p. (Voennoye priklucheniye) (IEN)
- BRITVIN, V.S. [On the Volga; from the life of a fishing inspector] *Na Volge, iz zhizni rybolovnogo inspektora*. Moskva, Sov. pisatel', 1966. 261 p. (IEN)
- BRUGGEN, VOLODYMYR. [People create goodness; articles of literary criticism] *Liudyna tvoryt' dobro, literaturno-krytychni narysy*. Kyiv, Rad. pys'mennyk, 1966. 131 p. (CAOTU)
- BULGAKOV, M.A. [Plays The days of the Turbin family, Running, Boudage, A hypocrite, The last days, Don Quixote] *P'esy Dni Turbinykh, Beg, Kabak, Sviatosh, Posledniy den, Don Kikhot*. Moskva, Iskustvo, 1962. 280 p. illus. (InU)
- HEKHOV, ANTON. [Kashanka; a story] *Kashanka*, rasskaz. Moskva, Gos. izd-vo detskoi lit-ry [1960] 62 p. (PP)
- CHEKHOV, N.V., M.F. ROBINSON, and KH.G. KHAKIMOV. [A pictorial dictionary of Russian; a textbook for students of non-Russian elementary schools] *Kartynnyy slovar' russkogo iazyka; uchebnoe posobie dlia uchashchikhsia nerusskikh natsional'nykh shkol*. Ed. 10. Moskva, Gos. uchebno-pedagog. izd-vo, 1961. 2 v. (ICarBS)
- CHERNOMORTSEV, L.N. [Signs; verse] *Primety; stikhi*. Moskva, Sov. pisatel', 1967. 77 p.
- CHIRKOV, N.M. [Dostoevskii's style; problematics, ideas, images] *O stile Dostoevskogo; problematika, idei, obrazy*. Moskva, Nauka, 1967. 300 p.
- CHUKOVSKAYA, L.K. [The deserted house; a tale] *Opustelyi dom, povest'*. Paris, Plati kontinentov, 1965. 130 p. (NSyU)
- CHURKOV, A.F. [We are going through the night] *My idem po nochi*. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 135 p.
- DEMIN, P.G. [The regiment is on the march...; a drama in two acts. A play on chapters from the novel "They fought for the homeland"] *Polk idet...; drama v dvukh detsel'nykh, P'esa po glavam iz romana "Oni srazhali'sya za roдинu" [by] Mikhail Sholokhov*. Otv. red. A. Aronov. Moskva, Otdel rasprostraneniia dramatiicheskikh proizvedenii VUOAP, 1967. 70 p.
- DOKUDOV, A.M., and V.G. MARANTEMAN. [Study of Gogol's comedy "The Inspector General" in school] *Izuchenie komedii N.V. Gogolia "Revizor" v shkole*. Moskva, Prosveshcheniye, 1967. 169 p.
- DONEYS, G.S. [Beyond the range of Satymar; a novel] *Za khrebtom Satymara; roman*. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1967. 414 p.
- DOROSHENKO, IVAN. [The call of our time; articles of literary criticism] *Suchasnist' klycho; literaturno-krytychni statii*. Lviv, Knyzhkovo-zhurnal'ne vyd-vo, 1962. 168 p. (CLU)
- DOROSHENKO, KATERYNA. [A word about the great bard] *Slovo pro voikyoho kobzaria*. Kyiv, Molod', 1965. 166 p. illus. (CAOTU)
- DOSTOEVSKII, F.M. [Crime and punishment; a novel in six parts with an epilogue] *Prostupleniye i nakazanie; roman v shesti chastikh s epilogom*. Moskva, Khudozh. lit-ra, 1966. 518 p. (CLU)
- DOVZHENKO, O.P. [Collected works in four volumes] *Sobranie sochinenii v chetyrekh tomakh*. [Moskva, Iskustvo, 1966] 4 v. (Wau)
- DUBROVIN, B.S. [An ocean land; lyrics] *Okeanskaya zemlia, lirika*. [Moskva] Molodai gvardiia, 1966. 109 p. illus. (IEN)
- DZHILIL, RAKHIM. [Selected works in 4 volumes] *Dor-rat az 4 chkd.* [Dushanbe, Liton. in Tajik] Vol. 1 [Shurah] Shurob [1967] 287 p.
- ELKOV, A.K. [Along paths of memory; verse] *Pod tro-pam pamiati, stikhi*. Alma-Ata, Zhazushy, 1966. 91 p. (NIC)
- ERGALIEV, KHAMIT. [Truth sings] *Shyndyk shyryakdy*. Almaty, "Kazakhstan," 1966. 182 p. [In Kazakh]
- [EXTRACURRICULAR WORK IN LITERATURE] *Pozaklasna robota z literaturoi; zbirnyk statii*. Kyiv, Rad. shkola, 1964. 192 p. (CAOTU)
- FADEEV, A.A. [A tale of our youth, from letters and reminiscences] *Povesi' nashei lunosti; iz pisem i vospominanii*. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 347 p. illus. (Shkol'naya biblioteka) (OU)
- FESSENKO, A.IA. [Noon in my native land; stories] *Pol-don' v storonke rodnoi; rasskazy*. Moskva, Mosk. rabochi, 1965. 250 p. illus. (NJP)
- [THE FLAME IN THE STEPPE, tales and stories. Translated from the Mongolian] *Plamia v stepi; povesti i rasskazy*. Moskva, Voenizdat, 1967. 235 p.
- FRANKO, IVAN. [Lyrics] *Liryka*. Kyiv, Dnipro, 1966. 202 p. (Perlyny svitovoi liryky) (CAOTU)
- GADAENKO, I.P. [Santa Maria, a novel] *Santa-Maria; roman*. Odessa, Malak, 1967. 378 p.
- GARCIA LORCA, FEDERICO. [Lyrics. Translated from the Spanish] *Lirika*. Moskva, Khudozh. lit-ra, 1965. 102 p. (Sokrovishcha iricheskol poezii) (NN)
- GARIN, F.A. [Vasilii Blukher; a novel] *Vasilii Blukher; roman*. Moskva, Sov. pisatel', 1967. 316 p.
- GEI, N.K. [Art of the word, on the artistic style of literature] *Iskusstvo slova; o khudozhestvennoi literaturoi*. Moskva, Nauka, 1967. 363 p.
- [GERMAN-LATVIAN DICTIONARY. 7,000 words] *Vaculaviesu vardsluca*. 2. izdevums. 7,000 vardu. Riga, Lieama, 1966. 614 p.
- GEZALOV, DZHANGIR. [A cup of milk; feuilletons. Translated from the Azerbaijani] *Chastka moloka, fol'etony*. Moskva, Sov. pisatel', 1967. 238 p.
- GILIAZOV, AIAZ. [Three arshins of land. Translated from Tatar] *Tri arshina zemli*. Moskva, Sov. Rossiia, 1966. 63 p. (Koroiki povesti i rasskazy) (IU)
- GLAGOLEV, A. ["The choleoi"; satiric comedy. Mister Khrushchev discovers America] *"Vybor"; komediia satira. Mister Khrushchev otkryvaet Ameriku*. Long Island City, N.Y., 1959. 80 p. (NIC)
- GOFFENSHEFER, V. TS. [History of Marxist literary criticism; Paul Lafargue and the struggle for realism] *Iz istorii marksistskoi kritiki; Pol' Lafarg i bor'ba za realizm*. Moskva, Sov. pisatel', 1967. 449 p.
- GOLOSOVSKII, I.M. [The reports didn't mention them; a novel] *O nkh molchali avodki; roman*. [Moskva] Proizdat, 1967. 461 p.
- GOMARTELLI, I.G. [Selected articles in two volumes. Zbranyie statii v dvukh tomakh. Tbilisi, Literatura da khetovneba, 1966] 2 v. [In Georgian]
- GORBOVSKII, G.IA. [Slanting brushwood] *Kosye such'ia*. Moskva, Sov. pisatel', 1966. 106 p. (IEN)
- GOSUDARSTVENNAIA PUBLICHNAIA ISTORICHESKAIA BIBLIOTEKA. [Historical fiction on the subjects of modern and recent history, an annotated index for the students of secondary schools] *Khudozhestvenno-istoricheskai literatura po novoi i noveishei istorii, anno-tirovannyi ukazatel' dlia uchashchikhsia srednei shkoly*. Moskva, Kniga, 1965. 206 p. (CAOTU)
- GOSUDARSTVENNAIA RESPUBLIKANSKAIA BIBLIOTEKA GRUZINSKOI SSR. [The knight in the tiger's skin, a bibliographical index of its publications] *Vitiaz' v tigrovoi shkure, bibliograficheski ukazatel' izdani*. Tbilisi, 1966. 43 p. (MI)
- GOSUDARSTVENNYI ERMITAZH. [Drawings, water-colors] *Risunki, akvareli*. Leningrad, Sov. khudozhnik [1965] 1 v. (chiefly illus.) (Khudozhestvennye sokrovishcha SSSR) [In Russian and English] (MI)
- GRACHEV, R.I. [Where is your home? Stories] *Gde tvoi dom; rasskazy*. Leningrad, Sov. pisatel', 1967. 122 p.
- GRIGOR'EV, V.V. [Axioms of the little magic stick, science fiction stories] *Aksiony votshebnoi palochki; nauchno-fantasticheskie rasskazy*. [Moskva] Molodai gvardiia, 1967. 158 p. (Biblioteka sovetskoi fantastiki)
- GROSSMAN, V.S. [Wishing you well! Stories] *Dobro vam! Rasskazy*. Moskva, Sov. pisatel', 1967. 278 p.
- GURA, V.V. [Fairy tales, songs, and clausushki] *Skazki, pesni, chausushki*. Volgograd, Severo-Zapadnoe knizhnoe izd-vo, 1965. 2 v. (IEN) (InU) (NIC)
- GURUNTS, L.K. [Karabakh, my native land, Karabakh notebooks] *Karabakh, krat rodnoi; karabakhskie letadi*. Moskva [Sov. pisatel'] 1966. 307 p. (IU)
- GVOZDEV, A.N. [Modern Russian literary language] *Sovremennyi russkii literaturnyi iazyk*. Izd. 3. Moskva, Prosveshcheniye. Pt. 1. [Phonetics and morphology] *Fonetika i morfologiya*. 1967. 431 p.
- HERTSEN, A.I. [Collected works in thirty volumes] *Sobranie sochinenii v tritsati tomakh*. Moskva, Nauka. Spravochnyi tom. [General indexes] *Obshchie ukazateli*. 1966. 428 p.
- HERNIE, M.A. [Thorn bushes are blooming; verse] *Tsviie ieron, vrshti*. Kyiv, Molod', 1966. 174 p. (IU)
- HOLOVANSKYI, S.O. [The poplar on the other bank, a novel] *Topol' na tom beregu, roman*. Moskva, Voenizdat, 1967. 388 p.
- HURETV, OLEKSA. [Autumn flowers; a tale] *Oslani kvity; povist'*. Kyiv, Rad. pys'mennyk, 1966. 350 p. illus. (InU)
- HUROVYCH, M.A. [A bright year, poems] *Svityly rik; poezii*. Kyiv, Rad. pys'mennyk, 1966. 55 p. (IU)
- HURYN, IVAN, comp. [Picturesque words; perpetual folk similes] *Orazne slovo; postalni narodni porivnannia*. [Kyiv, Dnipro, 1966] 221 p. (CU)
- IAKIMOV, GRIGORII. [Dive into immortality, a documentary tale] *Pike v bessmertie; dokumental'nai povest'*. Alma-Ata, Zhazushy, 1966. 85 p. (NIC)
- IAKUBOVSKII, A.P. [Thou shalt not kill...; tales and stories] *Ne ubii...; povesti i rasskazy*. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 167 p.
- IALKAEV, IA. IA. [Sunny days; selected works] *Kechan keche, otyron nalme proizvedeni-vlak*. Toshkar-Ola, Knigam tukho maril izd-vo, 1959. 185 p. [In Marj]
- LANDIEV, DZHEMALDIN. [The avalanche; verse of various years. Translated from Ingush] *Lavina; stikhi raznykh let*. [Moskva, Sov. Rossiia, 1967] 210 p.
- ILIASOV, IA. KH. [The arrow and the sun; a novel] *Strela i solntse; roman*. Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1964. 245 p. (NNC)

- [IN THE LAND OF THE TAIGA, a collection of literary works of Ukhaia authors] V kraiu taizhnom, literaturno-fundozheshchennyi sbornik ukhainskikh avtorov. Syktyvkar, Komi knizhnoe izd-vo, 1965. 277 p. (NIC)
- SHIMOV, V.N., and A.A. LUKIN. [Deceptive calm, a tale] Obmanchivai tishina, povest' [Moskva] Molodaya gvardia, 1966. 287 p. (IEN)
- IUNUSOV, MAKHMUDALI. [The problem of traditions and innovation. Problema traditsii i novatorstva] Tashkent, Nauka UzSSR, 1965. 207 p. [In Uzbek] (MI)
- USUPOV, KENDZHABOI. [Sotym Ulug-zoda and his autobiographical tale "The morning of our life"] Sotym Ulug-zoda i ego avtobiograficheskaia povest' "Utro nashei zhizni" Nauchnyi rukovoditel' Sh. Khusein-zoda Dushanbe, 1964. 18 p. (MI)
- IVANOV, A.S. [Shadows disappear at noon] Teni ischezaiut v poludni. Novosibirsk [Zapadno-Sibirskoe knizhnoe izd-vo] 1967. 750 p. [Biblioteka sibirskogo romana] (NI)
- IVANOV, V.V. [Armored train 14-69, a play in four acts and eight scenes] Bronepoezd 14-69, p'sa v chetyrekh deystviiakh, vos'mi karlinakh. Moskva, Iskusstvo, 1966. 94 p. [Shkol'naya biblioteka mirovoi dramaturgii] (MIDW)
- KADYRI, ABDULLA. [A scorpion from the altar. Translated from the Uzbek] Skorpion iz altara. Moskva, Khudozh. lit-ra, 1964. 270 p. (IU)
- KALCHEV, KAMEN. [A son of the working class. Translated from the Bulgarian] Syn rabochego klassa. Moskva, Molodaya gvardia, 1962. 251 p. [Zhizn' zamchatai'nykh tudei, no 21] (IU)
- KALITIN, N.I. [The word and the times] Slovo i vremia. Moskva, Sov. pisatel', 1967. 398 p.
- KANDIEV, B.I. [L.N. Tolstol's epic novel "War and peace", a commentary] Roman-epopeia L.N. Tolstogo "Voina i mir", kommentarii. Moskva, Prosveshchenie, 1967. 389 p.
- KANONIDI, Z.M. [The croquet ball] Kriketnyi mech. [Moskva] Molodaya gvardia, 1966. 205 p. (Rovesnyk) (MI)
- KASIAUSKAS, RAIMONDAS. [The age of an old city; a story] Senoji miesto amzius, apysaka. Vilnius, Vaga, 1965. 182 p. [In Lithuanian]
- KEBIRLI, IBRAGIM. [The mountain pass; verse and a poem. Translated from Azerbaidzhan] Poreval, stikhi i poema. Moskva, Sov. pisatel', 1956. 109 p. (IEN)
- KHACHATURIAN, AVAG. [The contemporary village and the novel. Sovremennaya derevnia i roman] Erevan, Arastan, 1967. 191 p. [In Armenian]
- KHALOV, P.V. [The last cyclone; a novel in two parts] Posledni tsiklon; roman v dvukh chastakh. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 623 p.
- KHARITONOV, V.G. [A swallow of sunshine] Glotok solnisa. [Moskva] Mosk. rabochii, 1967. 157 p.
- KHASHIM, RAKHIM. [A great monument of poetry. Velikii pamiatnik poezii. Dushanbe, Irfon, 1964. 80 p. (550 let so dnya rozhdeniia Abdurakhmana Dzhami)] [In Tajik] (MI)
- KLINGER, FRIEDRICH MAXIMILIAN VON. [Faust, his life, death, and doom. Translated from the German] Faust, ego zhizn', delania i olzverzhenie v ad. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 225 p. (IEN)
- KLIPEL, V.I., and V.P. SYSOEV. [After the black sable, tales] Zn chernym sobolom, povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1968. 309 p. [Puteshestviia i priklucheniia] (NI)
- KOLEVSKII, VASIL, ed. [Aesthetics and literature, articles of Bulgarian critics] Estetika i literatura, stat'i bolgarskikh kritikov. Moskva, Khudozh. lit-ra, 1966. 368 p. (CoU)
- KORCHIITS, M.A. [Grammatical games] Grammaticheskie igrы. Minsk, Narodnaia asvela, 1964. 78 p. illus. (NoD)
- KORKIN, V.D. [Rustle of the taiga, verse] Shumit taiga, stikhi. Moskva, Sov. Rossiia, 1966. 70 p. (Poeticheskaja Rossiia) (IU)
- KOSTENKO, N.F. [Severograd; a novel. Translated from the Moldavian] Severograd; roman. Kishinev, Karla Moldovenaske, 1967. 325 p.
- KOSTYLEV, O.L. [Literary criticism articles in literature class, a textbook for the teacher] Kruticheskaja stat'ia na uroke literatury, posobie dlia uchitel'ia. Leningrad, Prosveshchenie, 1967. 191 p.
- KOTLIAR, E.P. [The city of light, verse] Svet-gorod; stikhi. Moskva, Sov. pisatel', 1965. 63 p. (IU)
- KOVALEVA, T.D. [A collection of exercises in word formation for foreign students] Sbornik uprazhnenii po slovoobrazovaniiu dlia studentov-inostrancev. Kharkov, Izd-vo Kharkovskogo univ., 1968. 126 p. (IEN)
- KRUCHKOV, S.E., L.P. FEDORENKO, and L.A. CHESHIKO. [Grammar and spelling, a textbook for grades 5-8 of the evening (shift) secondary schools of general education] Grammatika i pravopisanie, posobie dlia V-VIII klassov vechernei (smennoi) srednei obshcheobrazovatel'noi shkoly. Izd. 3. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 335 p. (NIC)
- KULEMIN, V.L. [A right to tenderness] Pravo na nezhnost'. Moskva, Sov. Rossiia, 1963. 173 p. (NN)
- KULASHOU, ARKADZ'. [Collected works in four volumes] Zbor tvoran u chetyrokh tomakh. Minsk, "Belarus", Vols 1-2. [Verse, poems] Vershy, poemy. [1966] 2 v.
- KURAKIN, P.G. [Passionate hearts; a tale] Goriachie serdca; povest' [Leningrad] Leningrad, 1967. 294 p.
- KURANOV, IU.N. [Hands of the cradle, stories] Kolybelnye rukl, rasskazy. Moskva, Sov. pisatel', 1966. 218 p. (IEN)
- KVANCHILASHVILI, T.S. [The works of Mikhail Dzhabakhishvili. Tvorchesio Mikhaila Dzhabakhishvili. Tbilisi, Ganatleba, 1966. 505 p. [In Georgian]
- KVITKA, H.F. [Mister Khalav'sky. A witch from Konopel] Pan Khalav's'kyi. Konopel'ka vid'ma. Kyiv, Dnipro, 1966. 302 p. (CU)
- KVLIVIDZE, M.G. [Illustrations of "The knight in the tiger's skin." Ilustratsii "Vilazia v tigrovui shkur." Tbilisi, Sabehola Sakartvilo, 1967. 233 p. [In Georgian]
- LARIONOVA, K.M. [The long trip; a tale] Bol'shoi reis; povest'. Moskva, Sov. pisatel', 1967. 245 p.
- LASKOV, IVAN. [The elements, lyrics] Stikhiia; lirika. [Minsk] "Belarus", 1966. 78 p. (IU)
- LAVROV, N.A. [The subject "Adverb" in eight-year schools, a textbook for teachers] Tema "Narechie" v vos'mi letnoi shkole, uchebnoe posobie dlia prepodavatelei. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 86 p. (TxU)
- LEBEDENKO, A.G. [Face to face; a novel] Litsom k litu; roman. Moskva, Sov. pisatel', 1967. 610 p.
- LEHTMETS, TONS. [On native grassland; verse, 1962-1964] Kodumuri; mulutused, 1962-1964. Tallinn, Eesti Raamat, 1966. 73 p. [In Estonian] (MI)
- LESKIN, S.F. [Our own trouble doesn't count; tales] Svoja beda ne v schot, povesti. Moskva, Voenizdat, 1967. 390 p.
- LEVYTSKA, LIUBOV, and IVAN BODREVIYCH. [Lev Turkevych; his life and work] Lev Turkevych; zhizn' i tvorchest'. Toronto, Nakladom Liubov Levyts'koj, 1965. 353 p.
- LIASHENKO, LUKA. [Lightning of a dark night, a tale] Blyskavitsa v temnoi noch'i; povest'. Kyiv, Vses'ka, 1965. 150 p. (IoU)
- LIIVES, ARDI. [The gray hut; a comedy in two acts. Translated from Estonian] Seraya shlapa, komedia v dvukh deystviiakh. Olv. red. B. F. Mel'nikov. Moskva, Oidei i nspisaniia dramaicheskikh proizvedenii VUOAP, 1967. 71 p.
- LUKIN, ARKADII. [If you..., verse. Early by ty, stikhi] Chebokaay, Chuvashknigizdat, 1964. 78 p. [In Chuvash] (MI)
- MAHABHARATA. [The burning of smokes; a legend from the Indian epic, the Mahabharata. Translated from the Sanskrit] Sozhenie zmet; skazanie iz indijskogo eposa Mahabharata. Predl. izd. V.I. Kal'anova. Votnoe pei elozhenie v stikhiakh. Leningrad, Gos. izd-vo khudozh. lit-ry, 1958. 148 p. (IEN)
- MAKARIAN, A.M. [Satiro. Translated from the Armenian] Osnitoe. Moskva, Sov. pisatel', 1967. 271 p.
- MAKSIMOV, A.A. [At the sources of Soviet journalism] U istokov sovetskoi zhurnalistiki. [Leningrad] Leningrad, 1967. 110 p.
- MALYSHKO, A.S. [The road under the tyrannical rule of verse] Doroga pod tyranom, stikhi. Moskva, Sov. pisatel', 1967. 270 p.
- MAMIN, D.N. [Grey Neck; a story] Sira Shyl'ka. Kyiv, Vses'ka, 1963. 18 p. (CaLU)
- MAMIN, D.N. [Stories and fairy tales] Raskazy i skazki. Leningrad, Detskaia, 1961. 140 p. (OCI)
- MARKOVA, O.I. [The primrose, a novel] Privoloc, roman. Moskva, Sov. pisatel', 1967. 277 p.
- MASHINSKII, S.I. [The heritage and the heir, a tale] Nasledie i naslednik, stat'ia. Moskva, Sov. pisatel', 1967. 426 p.
- MEHRING, FRANZ. [Articles of literary criticism. Translated from the German] Literaturnye kriticheskie stat'ii. Moskva, Khudozh. lit-ra, 1964. 634 p. [Pamiatniki mirovoi estetikheskoi i kriticheskoi mysl'i] (OU)
- MELVILLE, HERMAN. [Omoo. Translated from the English] Onu. Moskva, Gos. izd-vo geograficheskoi lit-ry, 1960. 277 p. [Puteshestviia, priklucheniia, fantastika] (CoU)
- MENIUK, GEORGE. [Kalolan. Translated from the Moldavian] Kalolan. [Kishinev, Karla Moldovenaske, 1966] 196 p.
- M'LASTKIVS'KYI, A.P. [Farewell to August, poetry] Prosvet sozpnia, poezii. Kyiv, Rad. pyshchennik, 1966. 83 p. (MI)
- MICHAL, KAREL. [A side step. Translated from the Czech] Stag v stranu. [Peril at End house. Translated from the English] Zagadka Endkova [by] A. i. lla Christa. [The addressee is unknown. Translated from the Polish] Adresat niezvesten [by] Barbara Gordon. [Moskva] Molodaya gvardia, 1965. 354 p. (CU)
- MIKHAILOV, I.L. [Late love; a book of lyrics] Pozdniaia liubov; kniga liriki. [Leningrad] Leningrad, 1966. 121 p. (IEN)
- MIKHAILEV, V.V. [Beloved birch tree] Svet-birchka. Voronezh, Tsentral'no-Chernomorsko knizhnoe izd-vo, 1965. 39 p. (IU)
- MIKHAILOV, S.V. [For the children] Detiam. Moskva, Detskii mir, 1960. 302 p. (OU)
- MIROSHNICHENKO, N.I., and N.Z. TROKHIMCHUK. [When the mellow chime stopped to ring] Kogda zvonil malinovyi zvon. [Moskva] Molodaya gvardia, 1966. 318 p. (IEN)
- MOCHALOV, L.V. [The azure forest] Goluboi les. Leningrad, Detskaja lit-ra, 1967. 58 p. illus.

- MOKRIEV, I. O. [Floodlands in flames; a novel] *Plavni pakluti*, roman. [Kyiv, Dnipro, 1986] 606 p. (CROTU)
- [MOLDAVIAN FOLK POETRY. Moldavskaya narodnaya poezhiya, 3. izd. Kishinev, Karla Moldovenaske] 1985. 413 p. [In Moldavian] (MII)
- MORDOVTSYEV, D. L. *Sahaidachnyi*. Kyiv, Vyd-vo khudozhnol lit-ry, 1986. 419 p. (CU)
- NAHNYBIDA, MYKOLA [Wings, poetry] *Kryla, poezii*. Kyiv, Vyd-vo khudozhnol lit-ry, 1986. 191 p. (CU)
- NASHBOV, A. A. [Footprint at the bottom] *Sled na dne*. [Moskva] *Molodatsya gvardiya*, 1986. 123 p. (Chest', otvaga, muzhestvo) (NIC)
- NAUMOVA, N. N. [Nikolai Gavrilovich Chernyshevskii, a biography. A handbook for students] *Nikolai Gavrilovich Chernyshevskii; biografiya. Posobie dlia uchashchikhsia*. Leningrad, Prosveshchenie, 1986. 153 p. (Biografiya pisatel'a) (MIDW)
- NEMTSOV, V. I. [Proud conscience] *Gordatsya sovest'*. Moskva, Izd-vo pulit lit-ry, 1986. 139 p. (NIC)
- NHAZI, FATEKH. [Fidelity; a novel] *Translated from the Tajik Vernost', roman*. Moskva, Voentzdat, 1986. 509 p. (CSI-II)
- NIKOL'SKII, P. A. [Film Gullin's offense, stories] *Obidna Efima Gullina; rasskazy*. Baku, Alikaske knizhnoe izd-vo, 1986. 77 p. (IEN)
- OBYDEN, K. M., comp. [Cuban poetry. Translated from Spanish] *Kubinskaya poezhiya*. Moskva, Gos. izd-vo khudozhn. lit-ry, 1986. 182 p. (IEN)
- OCHERETNYI, O. D. [Real love; one-act plays] *Sprazhna hubov; odnoakti p'iesy*. Kyiv, Mystel'svo, 1987. 157 p.
- [ON LAND AND ON THE SEA, tales, stories, sketches, articles] *Na sucho i na more, povesti, rasskazy, ocherki, stat'i*. Moskva, Mysl', 1986. 719 p. (Pulcheshchiv, prikluchenn, fantastika)
- OSHANIN, L. I. [How the song was created] *Kak sozdavalas' pesnia*. Moskva, Sov. Rossiia, 1987. 189 p. (Pisatel' o tvori chestvo)
- OSTAPENKO, G. G. [Find your happiness; a tale and stories] *Nakh svoiu radost'; povest', rasskazy*. [Magadan] *Magadanskoe knizhnoe izd-vo*, 1986. 251 p. (IU) (NIC)
- [OUR CONTEMPORARY, THE WEEK OF OKA VALLEY POETRY; a collection of poems of the poets of Bryansk, Kaluga, Orel, and Tula Provinces] *Roveniki-Nedelni priokladi poezii; sbornik stikhov poetov Bryanskoi, Kaluzhskoi, Orlovskoi i Tul'skoi oblastei*. [Tula, Priokskoe knizhnoe izd-vo, 1986] 111 p. (IEN)
- OVSEPIAN, BAGISH. [Sowers haven't come back; a novel. Translated from the Armenian] *Sosateli no vernulis'*, roman. Moskva, Sov. pisatel', 1982. 310 p. (IU)
- PAEVSKAIA, A. V., and V. T. DANCHENKO. [Honore de Balzac; bibliography of Russian translations and Russian critical works] *Onore de Bal'zak; bibliografiia russkikh perevodov i kriticheskoi literatury na russkom iazyke, 1830-1904*. Moskva, Kalga, 1986. 426 p. illus. (CSI) (MII)
- PANFEROV, K. F. [May the sun shine forever, stories] *Pust' vsegda svetit solntso; rasskazy*. Moskva, Voentzdat, 1986. 157 p. (Biblioteka soldata i matrosa) (IU)
- PAPP, F. [Making a structural model of the system of word combination in modern Russian] *K postroeniu odnoi strukturalnoi modeli sistemy slovosochetaniil sovremennoego russkogo iazyka*. Debrecen, 1983. 11 p. (Publications Institut Philologie Slavicae Universitatis Debreceniensis, 41) (MII)
- PARMUZIN, B. S. [In the desert it is always restless; tales and stories] *V pustyne vsegda nespokoino, povesti i rasskazy*. Moskva, Voentzdat, 1987. 284 p.
- PAUSTOVSKII, K. G. [Collected works in eight volumes] *Sobranie sochinenii v vos'mi tomakh*. [Moskva] *Khudozhn. lit-ra*. Vol. 1. [Novels and tales] *Romany i povesti* [1987] 629 p.
- PELECKIS, JUSTAS. [Verse] *Translated from the Lithuanian* *Stiklai*. Moskva, Sov. pisatel', 1983. 182 p. (LU-NO)
- PERMITIN, E. N. [Mountain eagles; a novel] *Gornye orly, roman*. Moskva, Sov. pisatel', 1985. 622 p. (OCIW)
- PIKASOV, N. K. [The peasant uprising in Lermontov's "Vadim"] *Krest'ianskie vossstanie v "Vadime" Lermontova*. Saratov, Privolzhskoe knizhnoe izd-vo, 1987. 87 p.
- PSARZHEVSKII, O. N. [Feismen, a tale] *Feismen; povest'*. Moskva, Sov. pisatel', 1987. 397 p.
- POCHIVALEN, N. M. [An ordinary miracle, stories] *Obyknoennoe chudo; rasskazy*. Moskva, Sovetskaya Rossiia, 1986. 85 p. illus. (Korotkie povesti i rasskazy) (IEN)
- POCIUS, ALGIRDAS. [Crossroads retaced; stories. Translated from Lithuanian] *Po peropul'iam priedenynm, rasskazy*. Moskva, Sov. pisatel', 1986. 171 p. illus. (IU)
- PODELKOV, S. A. [Stain steps; poems of various years] *Supeni, stikhi raznykh let*. [Moskva] *Molodatsya gvardiya*, 1986. 174 p. (IU)
- [POETIC SIBERIA] *Sibiri' poeticheskaya*. [Kemerovo] *Kemerovskoe knizhnoe izd-vo*, 1986. 220 p. (NN)
- POZNIAK, PAVLO. [Meeting you; a story] *Tobi nazu-strich, opovidannya*. Kyiv, Molod', 1985. 92 p. (Po-sin knyia) (CROTU)
- PRASOLOV, A. T. [Day and night] *Den' i noch'*. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1986. 87 p. (IEN)
- ["PRAVDA" ON THE DON] *Pravda na Donu*. [Rostov-na-Donu] *Rostovskoe knizhnoe izd-vo*, 1982. 261 p. (CSI-II)
- PURTSKHIVANIDZE, B. Z. [Soviet criminal law; special part. Sovetskoe ugolovnoe pravo, chast' osobennaya. Tbilisi, Izd-vo Tbilisskogo univ.] 1985. 520 p. [In Georgian]
- ROGOV, A. D., and G. M. LINKO, comps. [A chrestomathy of poetic works on the history of the ancient world and the Middle Ages; a handbook for teachers of the 5th and 11th grades] *Khrestomatia poeticheskikh proizvedenii po istorii drevnego mira i srednikh vekov, posobie dlia uchitelei V-VI klassov*. Moskva, Prosveshchenie, 1987. 253 p.
- ROMANOV, A. A. [Introduction into the family; verso and poems] *Posviashchenie v rodnui; stikhi i poemny*. Moskva, Sov. pisatel', 1987. 54 p.
- ROZENTAL, D. E. [The Russian language, a manual for those entering institutions of higher learning] *Russkii iazyk; posobie dlia postupaushchikh v vuzy*. [Moskva] *Izd-vo Mosk. univ.*, 1987. 302 p.
- RYBAK, N. S. [Soldiers without dress coats, a novel] *Soldaty bez mundirov, roman*. Moskva, Sov. pisatel', 1987. 618 p.
- RYTKHEV, I. U. S. [Dawn of Leningrad; a novel] *Leningradskii rassvet, roman*. Moskva, Sov. pisatel', 1987. 280 p.
- SABUROVA, IRINA. [A lucky mirror] *Schastlivoe zerkalo*. Munch, 1986. 195 p. (IU)
- SAL'NIKOV, P. G. [Tête-à-tête; stories and a tale] *S glazu na glaz, rasskazy i povest'*. Tula, Priokskoe izd-vo, 1986. 102 p. (IEN) (NIC)
- SEMINAR "AVTOMATIZATSIA INFORMATSIONNYKH RABOT I VOPROSY MATEMATICHESKOI LINGVYKI KI." [Seminar on "Automation of information work and problems of mathematical linguistics"; papers Seminar "Avtomatizatsia informatsionnykh rabot i voprosy matematicheskoi lingvistiki"; doklady]. Naukova dumka. No. 1. 1986. 110 p.
- SENCHUROV, I. U. N. [Home guards; a short tale] *Opchemis, malen'kaia povest'*. Tula, Priokskoe knizhnoe izd-vo, 1986. 50 p. illus. (IEN)
- SERAFIMOVICH, A. S. [The three friends, stories] *Tridru, rasskazy*. Leningrad, Detskai lit-ra, 1986. 63 p. (Shkol'nai biblioteka)
- SERDIUK, A. S. [Not to be disclosed; a tale] *Razglasniu ne podlezhit, povest'*. Moskva, Voentzdat, 1986. 366 p. (IU) (NIC)
- SERGEYEV-TSENKII, S. N. [Collected works in two volumes] *Sobranie sochinenii v dvadtsati tomakh*. Moskva, Pravda, (Biblioteka "Ogonek") Vols. 1-3. 1987. 3 v.
- SHAMIAKIN, I. P. [Collected works in five volumes] *Zbor tvorau u platit tomakh*. Minsk, "Belarus", Vols. 3, 5. 1986. 2 v. (NN)
- SHCHERBININA, O. N. [A collection of articles for a new reproduction in the Russian language classes of non-Russian schools; a textbook for teachers] *Sbor statel dlia izlozhenii v klassakh natsionalnykh shkol posobie dlia uchitelei*. Moskva, Prosveshchenie, 1982 p. (NIC)
- SHCHETININ, L. M. [Words, names, things, sketches about names] *Slova, imena, vesuchi, ocherki ob imenakh*. [Rostov-na-Donu] *Izd-vo Rostovskogo univ.* 1986. 210 p.
- SHIVCHENKO, T. II. [The little book, autographs of poetry, 1847-1880] *Mala knyzhka, avtografy poezii 1847-1880 rr.* Kyiv, Naukova dumka, 1986. 431, xvi p.
- SHEVELEVA, E. V. [Debate about happiness] *Spor o schast'e*. Moskva, Sov. Rossiia, 1987. 205 p.
- SHEVYUNENKO, I. A. [Serezhka from Malaya Bronnaya Street; plays] *Serezhka s Maloi Bronnoi; p'esi*. Moskva, Sov. pisatel', 1986. 188 p. (NIC)
- SHOLOKHOV-SRINIAVSKII, G. F. [Difficult flashing seas. Three brothers. Distant lights] *Surovaya putina i brata. Dalokie ogni*. [Rostov-na-Donu] *Rostovskoe knizhnoe izd-vo*, 1981. 744 p. (OU)
- SHTEIN, A. L. [Three masterpieces of A. Ostrovskii] *Tri shedevra A. Ostrovskogo*. Moskva, Sov. pisatel', 1987. 173 p.
- SHUGAEV, V. M. [I run away and come back; a tale] *Begu i vozvrashchalsya; povest'*. Moskva, Sov. Rossiia, 1986. 60 p. (Korotkie povesti i rasskazy) (IU)
- SHYIAN, ANATOL'. [Works in two volumes] *Tvary v dvokh tomakh*. Kyiv, Dnipro, 1986. 2 v. (NN)
- SINEL'NIKOV, L. I. [Day begins with night; one-act plays] *Den' nachinaetsia noch'iu; odnoaktne p*

- SONTANI, UTUY TATANG [Tambora, a novel. Translated from Indonesian] Tambora, roman. Moskva, Khudozh. lit-ra, 1964. 277 p. (Biblioteka litericheskogo romana) (NNC)
- [SOVIET LINGUISTICS FOR 50 YEARS] Sovetskoe lyzkoznanie za 50 let. Moskva, Nauka, 1987. 426 p.
- [SPELLING AND PRONUNCIATION OF FOREIGN NAMES IN THE LATVIAN LITERARY LANGUAGE] Noraditumi par cilvalodu ipasvaidu pareizrakstibu un pareizrunu latvisu literaraja valoda. Riga, Zinatne. [In Latvian] No. 11. Grabis, R., and T. Portle, comps. [Russian proper names] Krievu valodas ipasvaidi. 1966. 270 p.
- STAROSTIN, V.A. [It's a Muromets; bogatyr bylitsy] It's a Muromets; bogatyrskie bylitsy. Moskva, Sov. Rossiia, 1987. 158 p. illus.
- SUCHKOV, B.L. [Historical destinies of realism, reflections on the creative method] Istoricheskie sud'by realizma, razmyshlenie o tvorchestvom metode. Moskva, Sov. pisatel', 1987. 461 p.
- SYMONEENKO, VASIL'. [Rose wine] Vyno z tretand, L'viv, Karmentar, 1985. 50 p. (CAOTU)
- SYNHAIVS KYI, M.F. [Poetry] Poezii. Kyiv, Molod', 1966. 187 p. (NN)
- TAMBA-SRIJUN, ALEKSANDR. [The wind, a book of verse and songs] Vetr, kniga stikhov i pesen. Kyzyl, Tuvinskoe knizhnoe izd-vo 1985. 19 p. [In Tuvinskian] (MH)
- TAURIN, F.N. [Path to oneself; a novel] Put' k sebe, roman. Moskva, Sov. pisatel', 1987. 218 p.
- TAZHIBAIEV, ABDIL'DA. [A song about a friend; verse and poems. Translated from Kazakh] Pesni o druge, stikhi i poem'y. Moskva, Izd-vo khudozh. lit-ry, 1958. 294 p. (IEN)
- TELKANOV, S.A. [Memory of the heart] Pamiat' serdtsa. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 87 p. (IEN)
- TENDRIAKOV, V.F. [Encounter with Neferiti; a novel] Svidaniie s Neferiti, roman. [Moskva] Molodai gvardiia, 1965. 190 p. (IEN)
- TKACHENKO, A.S. [The coast of a long winter; stories and tales] Dereg dolgoi zim'y; rasskazy i povesti. Moskva, Sov. pisatel', 1966. 302 p. (IU)
- TOLSTOI, L.N. [Tales and stories in two volumes] Povesti i rasskazy v dvukh tomakh. Moskva, Khudozh. lit-ra, 1966. 2 v.
- TOMAN, N.V. [Following a bright path; adventure tales] Po svetlomu sledu, priklucheniicheskie povesti. Moskva, Sov. pisatel', 1962. 588 p. illus. (OU)
- TRET'IAKOV, S.M. [Do you hear me, Moscow? Gas masks. Growl, China!] Slyshish', Moskva? Prolivogazy. Rychi, Kuai! Moskva, Iskusstvo, 1980. 239 p. (NIC)
- [THE TRUE HEART] Vernoe serdtshe. [Moskva, Sov. Rossiia, 1966] 166 p. (NIC)
- 3.D. [The biting ant. Muravel-kusaka. Muravel'] 1987. 62 p. [In Georgian]
- Verse! Stikhi. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 70 p.
- The deserter; a drama in three acts] ama v trokh delstviiakh. Moskva, 84 p. plates.
- [Asia. First love] Asia. Pervaya rad, Khudozh. lit-ra, 1987] 160 p.
- ZH. MUKHTOROV, and SH. RAKH-Zontemporary Uzbek literature. Language, lexicology] Khozr'i uzbek adabbi i leksikologiya. Filologiya fakul'tet-im studentlari uchun kulllanma. 1985. 177 p. [In Uzbek] hi nashriyati, 1985. 177 p. [In Uzbek]
- USPENSII, V.D. [Heroic deed of the general] Podvig generala Moskva, Sov. Rossiia, 1966. 63 p. (Rasskazy o krasote dushcvnoi) (NIC)
- UTRENEV, V. [Unselling light, a collection of Easter and other religious poems] Svet nezakhodimyi, sbornik Paskhal'nykh i drugikh religioznykh stikhotvoreni. Mahopac, N.Y., Izd. Novoi Korennoi Pustyni, 1965. 59 p. (MH)
- UVAROVA, L.Z. [Our mutual friend] Nash obshchii drug. Moskva, Sov. Rossiia, 1965. 54 p. (Rasskazy o krasote dushcvnoi) (NIC) (NNC)
- VAKHIOV, A.A. [Morning breeze, a novel] Utrenni briz, roman. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 350 p.
- VASIL'EV, A.V. [A lark sang at sunrise, a tale] Zhavoronok pol na rassvele; povest'. Chelabinsk, Uzhno-Ural'skoe knizhnoe izd-vo, 1966. 138 p. (IEN)
- VASIN, K.K. [Unification, a tale] Ushnymashi, povest'. Ioshkar-Ola, Kalgam kusho marii izd-vo, 1956. 237 p. [In Mari] (IU)
- VEREISKAYA, E.N. [During those years, stories about the revolutionary events of 1901-1917] V te god'y, rasskazy o revoliutsionnykh sobytiyakh 1901-1917 godov. Leningrad, Detskaya lit-ra, 1967. 222 p. (Shkol'naya biblioteka)
- VINOKUROV, E.M. [A voice; verse] Golos, stikhi Moskva, Pravda, 1987. 31 p. (Biblioteka "Ogonek," no. 2)
- VLASOV, I.U.P. [The clown's room; stories] Komnata klouna, rasskazy. Moskva, Pravda, 1965. 47 p. (Biblioteka Ogonek, 37) (MH)
- VOISEIN, M.A. [Saint Serafim] Sviatoi Serafim. Mahopac, N.Y. Izd. Novoi Korennoi Pustyni, 1964. 56 p. (WU)
- VOROB'EV, E.Z. [A drop of blood; a tale] Kapla krov'i, povest'. Moskva, Voenizdat, 1962. 327 p. (OB)
- VOROB'EV, L.L. [The end of a new house] Konets novogo doma. Moskva, Sov. Rossiia, 1966. 134 p. (Korotkie povesti i rasskazy) (IEN) (NIC)
- VORONKOVA, L.F. [The living lantern; stories] Zhivoi fonarik, rasskazy. Moskva, Detskaya lit-ra, 1967. 30 p. (Chlaem sami)
- [THE WONDER, White Russian folk tales] Divo; bolorus-skie narodnye skazki. Minsk, "Belarus", 1966. 94 p.
- ZHANTIEVA, D.G. [James Joyce] Dzhems Dzhols. Moskva, Vysshiaia shkola, 1987. 94 p. (Sovremennaya zarubezhnaya literatura)
- ZHERNAKOV, N.K. [Turbulent Padegora; tales] Bul-nala Padegora; povesti. [Moskva, Sov. pisatel', 1967] 302 p.
- ZHESTEV, M.I. [Glink's Porogi; a tale] Glink'skie Porogi; povest'. Leningrad, Sov. pisatel', 1967. 130 p.
- ZUEV-ORDYNETS, M.E. [The last year] Posledni god. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 301 p.
- ZVERS, T.V. [Moral and aesthetic education of students during the study of the literary landscape in the 5th and 6th grades; a methods handbook] Nravstvennoe i esteticheskoe vospitanie uchashchikhsia pri izuchenii literaturnogo peizazha v 5 - 6-ih klassakh; metodiches-koe posobie. Leningrad, 1967. 91 p.
32. GEOGRAPHY & GEOLOGY
- BONDAREVA, N.A. [Seven weeks on Komandorskiye Islands; 225th anniversary of the discovery of the islands] Sem' nedel' na Komandorskikh; k 225-letliu otkrytiia ostrovov. Petropavlovsk-Kamchatskii, [Dal'nevostochnoe knizhnoe izd-vo] 1968. 62 p.
- CHEDEI, IVAN. [May we introduce Tyachev, Rakhov, and Yasiya] Znamites' - Tiaehiv, Rakhiv, Iasiya, Uzhhorod, Karpaty, 1966. 70 p. illus.
- DIEROVA, O.T. [Transcarpathian Province; geographical description] Zakarpats'ka oblast', geografichnyi narys. Vyd. 2., perer. i dop. Kyiv, Radians'ka shkola, 1967. 121 p. (Oblasti Ukraini kol' SSR)
- [EARTH'S CRUST OF KAZAKHSTAN, collection of geological and geophysical papers] Zemnata kora Kazakhstana; geologo-geofizicheski sbornik. Alma-Ata, Nauka, 1967. 183 p.
- EESTI GEOGRAAFIA SELTS. [Yearbook of the Estonian Geographical Society, 1964-1965] Aastaraamat, 1964-1965. Tallinn, Valgus, 1966. 320 p. [In Russian and Estonian]
- [FORMATION AND GEOCHEMISTRY OF UNDERGROUND WATERS OF SIBERIA AND THE FAR EAST] Formirovaniie i geochemiia podzemnykh vod Sibiri i Dal'nego Vostoka. Moskva, Nauka, 1967. 257 p.
- [GEOGRAPHY OF MOSCOW AND THE MOSCOW AREA, REGIONAL STUDIES] Geografiia Moskvy i Podmoskovo-v'ia. Kraevedenie. Moskva, (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1. 1967. 43 p.
- [GEOLOGICAL LITERATURE OF THE U.S.S.R., bibliographic yearbook for 1966] Geologicheskaya literatura SSSR, bibliograficheski obozrodenik za 1966 god. Leningrad, Nedra, 1967. 611 p.
- [GEOMORPHOLOGY] Geomorfologiya. Moskva. (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1. 1967. 36 p.
- GOSUDARSTVENNYI MUZEI ETNOGRAFI NARODOV SSSR. [A guidebook to the exhibition "The Ruselana", the second half of the 19th and early 20th century] Putevoditel' po ekspozitsii "Russkie", vtoraya polovina XIX-nachalo XX vv. Leningrad, 1961. 60 p. illus.
- GOSUDARSTVENNYI MUZEI ETNOGRAFI NARODOV SSSR. [Georgians in the second half of the 19th and the early 20th century] Gruziny II polovina XIX-nachalo XX vv. Leningrad, 1963. 50 p. (Putevoditel' po vystavkam)
- GUSEINOV, M.A. [A month and a day, travel notes. Translated from the Azerbaijani] Mesina i odn den', putevye zamechi. Moskva, Sov. plantel', 1966. 139 p. (MH)
- STOSHIN, I.U. [Marine hydrometry] Morskai gidrometriia. Leningrad, Gidrometeoizdat, 1967. 407 p.
- KARTVELISHVILI, N.A. [Theory of probability processes in hydrology and regulation of streamflow] Teoriia veroiatnostnykh protsessov v gidrologii i regulirovani rechnogo stoka. Leningrad, Gidrometeorologicheskoe izd-vo, 1967. 290 p.
- KOPTEV-DVORNIKOV, V.S., E.B. IAKOVLEVA, and M.A. PETROVA. [Volcanic rocks and methods for their study; as revealed by a study of red-stone-altered volcanic rocks in Kazakhstan] Vulkanogenno-poiody i metody ikh izucheniia; na primere krasnokamenno-lzmenennykh vulkanogennykh porod Kazakhstana. Moskva, Nedra, 1967. 330 p.
- KRAVETS, OLESA. [Journey into the country of 72,000 rivers; a book about the Ukraine] Puteshestvie v stranu 72 000 rek; kniga ob Ukraine. [Moskva, Detskaya lit-ra, 1967] 287 p. illus. (Ty po strane idesh')
- KRIVTSUN, B.M., and E.S. FEL'DMAN. [Elements of cartography] Elementy kartografii; materialy metodiki pentru ynvetsori' shi studenti. Kishinev, Lumina, 1966. 202 p. [In Moldavian]
- KUDIN, L.N. [Stratigraphy, faunas, and ecological analysis of the fauna of the cis-Carpathian region] Stratigrafia, fauni i ekologicheski analiz fauny paleogenovykh i kenoogenovykh otlozhenii Predkarpattia. Otv. red. G.N. Dolenko. [Lvov] Izd-vo Lvovskogo univ., 1966. 172 p.
- LEBEDINSKII, V.I. [With the prospecting hammer through the Crimea] S geologicheskim molotkom po Krymu. Moskva, Nedra, 1967. 213 p.
- LIVSHIN, M.I., A.I. PODOLIAN, and V.L. TULIANU. [Get acquainted with Moldavia] Poznakomtes' - Moldavia. [Kishinev, Karta Moldavenskoe, 1967] 181 p.

- [MATERIALS OF A RESEARCH LABORATORY ON SEDIMENTARY FORMATIONS AND SEDIMENTARY ORES; geochronology and lithology of Central Asia. Scientific session, April 1966] Materialy problemnoi laboratorii osadochnykh formatsii i osadochnykh rud, k geokhologii i litologii Srednei Azii. Nauchnaya sessiya (April', 1966). Tashkent, 1965. 189 p.
- [MESOZOIC OF THE OIL- AND GAS-BEARING REGIONS OF CENTRAL ASIA, biostratigraphy and paleogeography] Mezozoil'noftogazonosnykh oblastei Srednei Azii; biostratigrafiya i paleogeografiya. Moskva, Nauka, 1967. 143 p. illus.
- MIKHAILOV, A. E. [Fundamentals of structural geology and geological mapping] Osnovy strukturnoi geologii i geologicheskogo kartirovaniya. Izd. 2. Moskva, Nauka, 1967. 374 p. map (insert)
- NAGAEVSKAYA, E. V. [Bakchisaray, a guidebook] Bakchisarai; putevoditel'. Simferopol', "Krym," 1967. 85 p. illus.
- [NATURE, POPULATION AND ECONOMY OF SIBERIA; materials for the 3d Conference of Young Geographers of Siberia and the Far East] Priroda, naselenie i khoziaistvo Sibiri; materialy k 3-i konferentsii molodykh geografov Sibiri i Dal'nego Vostoka. Irkutsk, 1966. 103 p.
- NUTSUDIDZE, K. SH. [Lower Jurassic fauna of the Caucasus] Nizhneshnaya fauna Kavkaza. Tbilisi, Metsniereka, 1966. 211 p.
- PETROV, M. P. [Deserts of Central Asia in two volumes] Pustyni Tsentral'noi Azii v dvukh tomakh. Leningrad, Nauka, Vol. 2. [Kansu corridor, Tsaidam, Tarim Depression] Koridor Khlesii, Tsaidam, Taimskaya vpadina. 1967. 285 p.
- [PHYSICAL GEOGRAPHY OF IRKUTSK PROVINCE; bibliography] Fizicheskaya geografiya Irkutskoi oblasti; bibliografiya. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, No. 2. 1951-1962. 1965. 140 p.
- [PROBLEMS OF NATURE TRANSFORMATION IN CENTRAL ASIA] Problemy preobrazovaniya prirody Srednei Azii. Moskva, Nauka, 1967. 150 p.
- [PROBLEMS OF PROCESSING GEOLOGICAL AND GEOPHYSICAL DATA ON ELECTRONIC DIGITAL COMPUTERS] Voprosy obrabotki geologo-geofizicheskikh dannykh na elektronnykh (sifrovyykh) mashinakh. Novosibirsk, Nauka, 1967. 130 p.
- [PROBLEMS OF THE CRYSTAL CHEMISTRY OF MINERAL FORMATION]. Problemy kristallokhimii mineralov i endogennoi mineraloobrazovaniya. Leningrad, Nauka, 1967. 236 p.
- ROMM, M. D. [I am a fan of Spartak; sport, travel, mountain climbing] YA boleiu za Spartak; sport, puteshestviya, vozhzhedeniya. Alma-Ata, Zhazushey, 1965. 324 p. (MII)
- SEKSTEL', T. A. [Permian phytostriatigraphy of Central Asia] K litostratigrafii permii Srednei Azii. Tashkent, Fan, 1966. 50 p. illus.
- SLADKOV, A. N. [Introduction to spore and pollen analysis] Vvedenie v sporovyy i pylevoi analiz. Moskva, Nauka, 1967. 267 p.
- SMIRNOVA, V. S., and V. A. BABOSHIN. [Geology, metamorphism, and pegmatite potential of Archean formations in the southwestern part of the White Sea region] Geologicheskoe stroenie, metamorfizm i pegmatitovosnost' arkhaiskikh obrazovaniy lugo-zapadnogo Bolomor'ia. Moskva, Nedra, 1967. 245 p.
- SOLOV'EV, S. P. [All-Union Mineralogical Society and its role in the development of geological sciences; on the 150th anniversary of its foundation, 1817-1967] Vsesoyuznoe mineralogicheskoe obshchestvo i ego rol' v razvitiy geologicheskikh nauk; k 150-letiyu so dnya osnovaniya (1817-1967). Leningrad, Nauka, 1967. 231 p.
- SOVETSKAYA ANTARKTICHESKAYA EKSPEDITSIIYA, 1955-1967 [Transactions of the Soviet Antarctic Expedition] Trudy, Leningrad, Vol. 45. [Fifth voyage of the diesel-electric motorship "Ob," 1959-1960; materials on oceanographic observations. Relief of the bottom] Piatyiy reis d/o "Ob," 1959-1960 gg.; materialy okeanograficheskikh nabludenii. Rel'ef dna. Pod red. I. A. P. Koblenitsa. 1964. 70 p.
- Vol. 51. [Eighth and ninth voyage of the diesel-electric motorship "Ob," 1962-1964; preliminary results and materials of observations] Vos'moi i devyatyiy reis d/o "Ob," 1962-1964 gg.; predvaritel'nye nauchnye rezul'taty i materialy nabludenii. Pod red. M. M. Somova. 1967. 214 p.
- [TECTONIC MAPS OF CONTINENTS AT THE 22d SESSION OF THE INTERNATIONAL GEOLOGICAL CONGRESS] Tektonicheskie karty kontinentov na XXII sessii mezhdunarodnogo geologicheskogo kongressa. Moskva, Nauka, 1967. 181 p.
- [TOPONYMY] Toponimika. Moskva, (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1. 1967. 36 p.
- [300 TRAVELERS AND EXPLORERS, a biographical dictionary. Translated from the German] 300 puteshestvennikov i issledovatelei, biograficheskii slovar'. Moskva, Mysl', 1966. 270 p. (NN)
- [TYPOLOGY OF LAKES, change in the regime of lakes of cultured landforms, typological characteristics of tundra lakes] Tipologiya ozer, izmeneniye rezhima ozer kul'turnykh landshaftov, tipologicheskiye kharakteristika tundrovyykh ozer. Moskva, Nauka, 1967. 172 p.
- VOIKOV, V. V. [Basic features of the geological development of the Gornyy Altai; Late Pre-Cambrian and Early Paleozoic] Osnovnye zakonomenosti geologicheskogo razvitiya Gornogo Altaya; pozdniy dokembrii i ranniye paleozoi. Novosibirsk, Nauka, 1966. 166 p.
- VSESOUZNOE PALEONTOLOGICHESKOE OBSHCHESTVO. [Problems of paleogeographical regionalization in the light of paleontological data; transactions of the 8th session] Voprosy paleogeograficheskogo zonalizirovaniya v svet dannykh paleontologii; tudy IX sessii. Moskva, Nedra, 1967. 225 p.

13. SCIENCE

- ADAPETIANTS, M. G. [Disorders of the higher nervous activity caused by antenatal radiation effect] Narusheniya vysshego nervnoi deyatelnosti, vyzvannyye antenatal'nym luchevym vozdeystviem. Moskva, Nauka, 1967. 224 p.
- AKADEMIYA NAUK SSSR. Institut istorii i estestvoznaniya i tekhniki [From the history of biological sciences] Iz istorii biologicheskikh nauk. Memorabilia historico naturalia. Moskva, Nauka, 1966-1 v. (INU)
- [ANALYSIS OF RADIATIONS FROM Tb^{150} , Tb^{149} , Gd^{149} and Eu^{149}] Issledovaniye izlucheniya ^{150}Tb , ^{149}Tb , ^{149}Gd i ^{149}Eu . [By] K. V. Il'inskiy i dr. [Dubna, 1967] 37 p.
- BEIKHOV, D. V. [A sanitary and biological study of the Isel, Chusovaya, and Volga Rivers in the zone of the Kuybyshev Reservoir] Sanitarno-biologicheskoe issledovanie rek Iseli, Chusovoi i Volgi v zone Kuybyshevskogo vodokhranilishcha. [Kazan'] Izd-vo Kazanskogo univ., 1964. 312 p. (CaOTU)
- BENASHVILI, A. M. [Theory of errors. Teoriya Oshibek. Tbilisi, Ganatleba] 1965. 325 p. [In Georgian]
- BUKHIVETS, S. V. [Exercises in biological chemistry; a methodological handbook] Uprazhneniya po biologicheskoi khimii; metodicheskoe posobie. Leningrad, 1966. 154 p.
- BUTKO, A. I. [Bioelectrical control] Bioelektricheskoe upravlenie. Moskva, 1966. 32 p. (Lektoru o bloniko)
- CHIRVINSKII, P. N. [Pallasites; their mineralogical and chemical composition, position among other meteorites and problems concerning their origin] Pallasity; ikh mineralogo-khimicheskii sostav, polozheniye v rjadu drugikh meteoritov i voprosy proiskhozhdeniya. Pod red. L. S. Astapovichea. Moskva, Nedra, 1967. 286 p.
- DANIN, D. S. [Rutherford] Rezerford. [Moskva] Molodaya gvardiya, 1966. 819 p. (Zhizn' zamochatel'nykh liudel', Seriya biografii, no. 18(431))
- [DISCRIMINATION OF STATISTICAL HYPOTHESES AT LIKE VALUES OF X^2] Diskriminatsiya statisticheskikh glupoiz pri blizkikh znacheniyakh X^2 . [By] I. U. M. Kazarinov i dr. [Dubna, 1967] 17 p.
- DLUSKII, G. M. [Ants of the genus Formica (Hymenoptera, Formicidae, g. Formica); biology, practical significance and use, tables for determining species occurring in the U. S. S. R.] Murav'i roda Formika (Hymenoptera, Formicidae, g. Formica); biologiya, prakticheskoe znachenie i ispol'zovanie, tablitsy dlya opredeleniya vidov, rasprostranennykh v SSSR. Moskva, Nauka, 1967. 235 p.
- [EFFECT OF THE DIVERSION OF THE FLOW OF NORTHERN RIVERS INTO THE CASPIAN SEA BASIN ON THE NATIONAL ECONOMY OF THE KOMI A. S. S. R.] O vliyaniy pererobki stoka severnykh rek v bassein Kaspia na narodnoe khoziaistvo Komu ASSR. Leningrad, Nauka, 1967. 208 p.
- FEDOROV, B. F. [The optical gyroscope] Opticheskii giloskop. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike. XIV Seriya. Radioelektronika i svyaz', 5)
- GABRIELIAN, R. B. [M. Nalbandian and the natural sciences] M. Nalbandian i estestvoznaniye. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1966. 147 p. [In Armenian]
- GONCHAROV, A. I., and V. L. PAVLOV. [Chemistry in the life and activities of people] Khimiya v zhizni i deyatelnosti lyudy. [Kyiv] Vyd-vo Kyiv'skogo univ., 1966. 246 p. (CU)
- IATKOVLEV, A. G. [Laboratory work in physical and colloid chemistry] Praktikum po fizicheskoi i kolloidnoi khimii. Moskva, Vysshaya shkola, 1967. 120 p.
- IOSSEL', I. U. IA., and K. B. SHCHIGLOVSKII. [Static electricity on ships] Na boru lantano-elektricheskoye. Leningrad, Sudostroenie, 1966. 135 p.
- KAIGORODOV, D. N. [Nature of our land; sketches of a naturalist] Rodnaya priroda; ocherki naturalista. Moskva, Lesnaya promyshl., 1967. 210 p.
- KAMKE, ERICH. [Handbook on ordinary differential equations. Translated from the German] Spravochnik po obyknovennym differentsial'nym uravneniyam. Izd. 3., ispr. Moskva, Nauka, 1965. 703 p. (CSI)
- KANTERE, V. M., and M. V. KULAKOV. [Set of equipment for potentiometric and titrimetric determinations of qualitative parameters] Komplekt apparatov dlya polimetrovicheskikh i titrimetrovicheskikh opredelenii kachestvennykh parametrov. Moskva, GOSINTI, 1967. 12 p. (Peredovoye nauchno-tekhnicheskii i proizvodstvennyy opyt)
- KATOLIN, Lev. [Adventures in cybernetics] Kiberneticheskie puteshestviya. Moskva, Znanie, 1967. 197 p. (Narodnyi universitet. Pshevno-nauchnyi fakul'tet, 4/5)
- KOGAN, M. N. [Rarefied gas dynamics, kinetic theory] Dinamika razrezhennogo gaza; kineticheskaya teoriya. Moskva, Nauka, 1967. 440 p.
- KONFERENTSIYA PO BIOLOGICHESKOMU DEYSTVIYU UL'TRAVIOLETVOGO IZLUCHENIYA, BII, Vil'nyu, 1964. [Transactions of the 8th Conference on the Biological Effect of Ultraviolet Irradiation. Truly] Moskva, Meditsina. Sbornik 4. [Ultraviolet irradiation; biological effect and hygienic significance] Ul'travioletovoe izlucheniye; biologicheskoe deystvie i gigenicheskoe znacheniye. Pod red. N. M. Pankalga. 1966. 359 p.
- KOROVALOV, I. N. [Physiology of introduced plants. Delivered at the 15th annual V. L. Komarov reading, December 8, 1961] Fiziologiya introduktivnykh rastenii. Dolozheno na shestnadtsatom ezhegodnom Komarovskom chtenii 6 dekabrya 1961 g. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 61 p. (Komarovskie chteniya, 10) (NIC)
- KOPYLOV, G. I. [Statistical background of resonant conditions] O statisticheskoy fono rezonansnykh sostoyaniy. Dubna, 1962. 11 p. diagrs. (IEK)
- KOSHIN, L. V., and I. U. S. MUSABEKOV. [Origin and development of the concept of organic free radicals] Vozniknoveniye i razvitiye predstavlenii ob organicheskikh svobodnykh radikalakh. Moskva, Nauka, 1967. 214 p.
- KUSTANOVICH, I. M. [Spectrum analysis] Spektral'nyi analiz. Izd. 2., ispr. Moskva, Vysshaya shkola, 1967. 300 p.
- KUZNETSOV, B. G. [Einstein] Einstein. Moskva, Nauka, 1967. 430 p.
- LAPIDUS, L. I. [Remarks on the sum rules for the amplitudes of the Compton effect] Zamechaniya o pravilakh summ dlya amplitud kompton-effekta. [Dubna, 1967] 8 p.
- LIACHOV, G. M., and N. I. POLIAKOVA. [Waves in dense media and loads on structures] Volny v plotnykh sredakh i nagruzki na sooruzheniya. Moskva, Nedra, 1967. 231 p.

- [IITHIUM-8 PRODUCTION IN THE CAPTURE OF SLOW NEUTRONS BY CARBON, NITROGEN, AND OXYGEN NUCLEI] Obrazovanie litia-8 pri zahvate ^6Li i ^{14}N i ^{16}O pomozu spoznavanniu i vykorystanniu ^6Li i ^{14}N i ^{16}O [By] I. A. Batusov i dr. [Dubna, 1967] 15 p.
- [KAMERNA IZMERA I AUTOMATIZACIYA] [Sense organs and automations] Kamernaya izmera i avtomatizatsiya [Moskva, 1966] 30 p. (Literaturny i formo)
- [MARKINGS ON BUBBLE CHAMBER PHOTOGRAPHS] Sluzhebnaya markirovka na snimkakh z fotograficheskikh priborov [Dubna, 1967] 14 p.
- [LINEAR PROGRAMMING I LINEINO PROGRAMIROVANNIE] [Linear programming I lineino programirovaniye] [Tbilisi, Gruzetiya] 1967 295 p. [In Georgian]
- [LABORATORY WORK IN PHYSICAL AND COLLOID CHEMISTRY] Prikladnyy po fizicheskoy i kolloidnoy khimii [Ld 2, pererabot. Moskva, Vysshaya shkola, 1967] 150 p.
- [MATHEMATICAL OLYMPIC GAMES OF 1966] Matematicheskiye Olimpiady 1966 goda. [Saralov] Izd-vo Saralovskoy univ., 1966 26 p.
- [SOLVE IT YOURSELF, INTERESTING PROBLEMS FOR STUDENTS OF ELEMENTARY AND 8th-YEAR SCHOOLS] Reshit' sami, interesnyye zadachi dlya uchashchikhsya v elementarnykh i vos'mykh klassakh shkoly. Minsk, Narodnaya shkola, 1966 107 p.
- [THE M. V. LOMONOSOV MUSEUM IN LENINGRAD] Muzei M. V. Lomonosova v Leningrade [Ld 2, dop. Leningrad, Nauka, 1967] 73 p. illus.
- [MORPHOLOGICAL ADAPTATIONS IN ONTOGENY] Morfolozicheskiye adaptatsii v ontogeneze. Kiev, Naukova dumka, 1967 141 p.
- [NAUCHNAYA KONFERENTSIYA PO PROBLEME "BIOMENFIZIKA"] [Scientific conference on the problem of "biophysics"] [Iscat production in the body, materials] Nauchnaya konferentsiya po probleme "biomenfizika" [Kiev, Naukova dumka, 1964] 239 p.
- [NEDIALKOV, A. D.] [Snake hunters] Lovtsy zmei. Muzei. Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike XIII Seriya Nauka o Zemle, 6)
- [NEW DATA ON THE BIOSTRATIGRAPHY OF THE DEVONIAN AND UPPER PALEOZOIC OF SIBERIA] Noveye dannyye po biostratigrafii devona i verkhnego paleozoya Sibiri [Moskva, Nauka, 1967] 80 p.
- [THE NON-SPLIT D_{5161} ABSORPTION LINE OF NATURAL WIDTH IN D_2O_3 AT $\approx 500^\circ\text{C}$] Nerasscheptennaya linia pogloshcheniya D_{5161} estestvennoy shiriny v D_2O_3 pri $\approx 500^\circ\text{C}$. [By] V. V. Sklarovskiy i dr. Moskva, 1963. 6 p.
- [NOTEWORTHY NATURAL LANDSCAPES OF THE U.S.S.R. AND THEIR PROTECTION, botanica, geological, lake and zoological preserves of the U.S.S.R.] Prikladnyye prirodnyye landschafty SSSR i ikh okhrana, botanicheskiye, geologicheskiye, ozernyye i zoologicheskiye zakazniki SSSR. Moskva, Nauka, 1967. 173 p.
- [ONISHCHUK, V. A.] [Possible effect of weak interaction on the structure of molecular levels] O vozmozhnom vliyani slabogo vzaimodeystviya na strukturu molekulyarnykh urovnei [Dubna, 1967] 8 p.
- [PARINA, E. V.] [Age and protein metabolism] Vozrast i obmen belkov. Kharkov, Izd-vo Kharkovskogo univ., 1967. 204 p.
- [PHYSIOLOGICO-GENETIC STUDIES OF ADAPTATION IN ANIMALS] Fiziologo-geneticheskiye issledovaniya adaptatsii u zhivotnykh [Leningrad, Nauka, 1967] 191 p.
- [PHYSIOLOGY OF CROP PLANTS IN TWELVE VOLUMES] Fiziologiya sel'skokhozyaystvennykh rastenii v dvanadtsati tomakh. Glav red. B. A. Rubin i dr. [Moskva] Izd-vo Mosk. univ. Vol. 1. [Physiology of plant cells. Photosynthesis. Respiration] Fiziologiya rastitel'noi kletki. Fotosintez. Dykhanie. Ov. red. A. I. Oparin, 1967. 495 p.
- [PITSYK, N. E.] Bogomolots. Moskva, Molodaya gvardiya, 1964 219 p. (Zhizn' zamechatel'nykh liudei. Seriya biografii, no 2 (377)) (RPB)
- [PLANT MORPHOLOGY, a collection of articles dedicated to the memory of Professor K. I. Meler] Morfologiya rastenii, sbornik statei, posvyashchennykh pamtli professora K. I. Meler. Moskva, Nauka, 1967. 147 p.
- [PLUSNINA, I. I.] [Infrared spectra of silicates] Infra-krasnyye spektry silikatov. [Moskva] Izd-vo Mosk. univ., 1967 187 p.
- [POKROVSKAYA, I. A., ed.] [Manual on testing meteorological instruments] Rukovodstvo po poverke meteorologicheskikh priborov. Leningrad, Gidrometeoizdat, 1967 419 p.
- [POLUEKTOV, N. S.] [Methods of analysis based on flame photometry] Metody analiza po fotometrii plamei [Ld 2, pererab. Moskva, Khimika, 1967] 306 p.
- [PRKHOTKO, G. F., A. V. TKACHENKO, and V. N. NADICHENKO, eds.] [Climate of the Ukraine] Klimat Ukrainy. Leningrad, Gidrometeoizdat, 1967. 413 p.
- [PROBLEMS OF CHEMICAL PHYSICS] Problemy khimicheskoy fiziki [V besede uchastvuyut: N. D. Sokolov i dr. Moskva, Znanie, 1967. 20 p. (Besedy po aktual'nykh problemam nauki. Novoe v zhizni, nauke, tekhnike XI Seriya Khimika, 4)]
- [PROBLEMS OF THE PHYSIOLOGY AND BIOCHEMISTRY OF CULTIVATED PLANTS] Voprosy fiziologii i biokhimi kultivnykh rastenii. Kishinev, Shtiintsa, 1962 2 v. in 1 (NIC)
- [PROKHOROV, A. I.] [Bionics and space] Bionika i kosmos. Moskva, 1966. 32 p. (Lektoru o bionike)
- [RATIONAL NUTRITION] Ratsional'noe pitaniye. Kiev, Zdorov'ya, 1967. 204 p.
- [RIUMIN, G. M.] [Economically effective ways of the production of olefinic and diolfinic hydrocarbons in Azerbaijan] Ekonomicheskiy effektivnyye puti proizvodstva olefinnykh i diolfinnykh uglevodorodov v Azerbaidzhane. Baku, Azerneft, 1967. 82 p.
- [RIZISKOYE SOVESHCANIE PO MAGNITNOI GIDRODINAMIKE, 5th, 1966] [Magnetohydrodynamic generators; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] MGD - generatory, materialy, predstavlenyye dlya obshchdeniya na platom Riziskom soveshchani po magnitnoi gidrodinamike (20-25 iyunya 1966 goda). Riga [1966] 139 p.
- [RIZISKOYE SOVESHCANIE PO MAGNITNOI GIDRODINAMIKE, 5th, 1966] [Magnetohydrodynamic methods in metallurgy; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] MGD - metody v metallurgii; materialy, predstavlenyye dlya obshchdeniya na platom Riziskom soveshchani po magnitnoi gidrodinamike (20-25 iyunya 1966 g.). Riga [1966] 31 p.
- [RIZISKOYE SOVESHCANIE PO MAGNITNOI GIDRODINAMIKE, 5th, 1966] [Operation of induction pumps and magnetohydrodynamic proportioning units; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] Eksploataatsii induktivnykh nasosov i MGD-dozatorov; materialy, predstavlenyye dlya obshchdeniya na platom Riziskom soveshchani po magnitnoi gidrodinamike (20-25 iyunya 1966 g.). Riga [1966] 62 p.
- [RUDENKO, E. I.] [Salt and salts, popular science stories] Sol' i soli, nauchno-populynnoye rasskazy. Volgograd, Nizhne-Volzhskoe knizhnoye izd-vo, 1966. 109 p.
- [RVACHEV, V. P.] [Introduction to biophysical photometry, photometric measurements in biology] Vvedeniye v biofizicheskuyu fotometriyu; fotometricheskkiye izmereniya v biologii. [L'vov] Izd-vo L'vovskogo univ., 1966. 377 p.
- [SEKERZH-ZEN' KOVICH, I. A.] Leonid Nikolaevich Sretenskiy. Bibliografiya sostavlena A. P. Epifanov. Moskva, Nauka, 1967. 48 p. (Materialy k bibliografiy uchenykh SSSR. Seriya tekhnicheskikh nauk; Mekhanika, no 2)
- [SEMENOV, B. I.] [Analysis of a charging device for a precision amplitude coder] Analiz zaryadnogo ustroystva amplitudnogo kodirovshchika povyshennoy tochnosti. [Dubna, 1967] 33 p.
- [SEMENOV, V. N.] [Nature teaches to build] Priroda uchiit stroit'. Moskva, 1966. 30 p. (Lektoru o bionike)
- [SERGEEV, B. F.] [Evolution of associative temporary connections, phylogeny of arc closure in chordates] Evolyutsiya assotsiativnykh vremennykh svyazey; filogenez zamykatel'noi delatel'nosti khordovykh. Leningrad, Nauka, 1967. 240 p.
- [SHILOV, G. E., and FAN DYK TIN.] [Integral, differential and derivative in linear spaces] Integral, differentsial i proizvodnaya na lineynykh prostranstvakh. Moskva, Nauka, 1967. 192 p.
- [SHURAKOV, V. V., and V. V. KAPJANSKIY.] [Processing of accounting and statistical problems for the "Minsk-22" electronic digital computer] Obrabotka i resheniye ucheto-statisticheskikh zadach dlya EDSM "Minsk-22". Moskva, Statistika, 1967 211 p. (inset)
- [SHVARTSBERG, S. I., comp.] [Mathematical analysis and algebra] Matematicheskiy analiz i algebr. Moskva, Prosveshchenie, 1967. 346 p. (Problemy matematicheskoy shkoly)
- [SMIRNOVA, N. A.] [Units for mass and weight measurements in the International Unit System] Ieditsyy i mernyye massy i vesa v mezhdunarodnoy sisteme izmereniy. Moskva, Izd-vo Standartov, 1966. 50 p.
- [SOMINSKIY, M. S.] [Semiconductors] Poluprovodniki. Leningrad, Nauka, 1967. 430 p.
- [STRUVE, K. V.] [General physics, abstract of lectures] Obshchaya fizika, konspetsiye lektsiy. Leningrad, 1967 2 v. (Uchebnoye televideniye)
- [STUDY OF OBJECTS DURING THEIR PHASE TRANSITION AND OBSERVATION WITH AN ELECTRON MICROSCOPE] Issledovanie ob'ektov, izmenyayushchih fazu, s elektronnoy mikroskopom. Materialy Simpoziuma, Moskva, 1964 1964 g. Moskva, Nauka, 1966 92 p. (Materialy sborniki po aktual'nykh voprosam elektronnoy mikroskopii, no. 1)
- [SURIS, N. B.] [Popularizing bionics, methods of recommendations in a lecture] Populyarnizatsiya bioniki, metodycheskkiye rekomendatsii lektsiy. Kiev, 1966. 36 p. (Lektoru o bionike)
- [SYNCHROTRON RADIATION] Sinkhrotronnaya radiatsiya. Moskva, Nauka, 1966. 227 p.
- [SYRENSKIY, V. I.] [Physiological analysis of animal behavior under conditions of a test] Fiziologicheskiy analiz nekotorykh form povedeniya zhivotnogo v usloviyakh blizkikh k ostroymu stresu. [Leningrad] Meditsina, 1967. 201 p.
- [TARASOV, N. P.] [A course of higher mathematics for technicians] Kurs vysshel matematiki dlya tekhnicheskikh spetsialistov. Ld 13, stereotipnoye. Moskva, Nauka, 1967. 448 p.
- [TEVZADZE, N. A.] [Method of least squares. Algebraic and numerical quadratic forms] Metody naibolshego blizhnosti. Tbilisi, Tbilisskiy univ., 1965 p. diagra. (inset) [In Georgian]
- [TIMAKOV, V. D., and G. A. KACIAN.] [Plasma physics, plasma physics and its applications] Plazma i plazmatseona i ikh primeneniye. Moskva, Nauka, 1967. 336 p.
- [TOKIN, B. P.] [Medicinal plant poisons, a collection of lectures] Tsel'ebnyye rady rastenii, yevaniye i otravleniya dakh. [Leningrad] Leningrad, 1967. 266 p.
- [TORLIN, B. Z.] [Calculation of weak self-excitation modes of nuclear reactor] Raschet slabyykh i samovzbuzhdennykh rezhimov iadernykh reaktorov. Moskva, 1964. 21 p.
- [UL'IANISHCHEV, V. I.] [Mycologia of Azerbaijan] Mikoflora Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoy SSR, Vol. 4. [Pezizomycetes] Pezizomycetes, 1967. 351 p.
- [USPENSKIY, G. A., and M. N. LOZAN.] [Fauna of commercially hunted animals of Moldavia and ways for its enrichment] Otkrytiya fauny Moldavi i puti ee obogatsheniya. Kishinev, Kartia Moldovenianke, 1967 161 p.
- [VACINADZE, G. A.] [Fundamentals of applied perovskite. Osnovy prikladnoy perspektivy. Tbilisi, Gruzetiya] 1966. 170 p. [In Georgian]
- [VASIL'KOV, D. A.] [Elements of the theory of the series] Osnovy teorii ryadov Fur'ye. Moskva, Izd-vo 40 p.
- [VESELOV, PAVEL.] [Is nature eternal; a critical analysis of the basic conception of materialism] Vechnost' prirody; kriticheskiy analiz osnovnykh predstavleniy o vechnosti prirody. Moskva, Tsentral'nogo obshchestvennogo poslovochnykh razgovorov (MII) 1963. 48 p.

- VINKEVICH, G.A. [B.Dybowski, basic stages of his life and work] B.I.Dybovskii, osnovnye etapy zhizni i dela'tel'nosti. Irkutsk, 1981. 50 p. (ND)
- VOEVODINA, O.N. [Late results of the effect of X rays on the higher nervous activity in dogs] Otklennyye rezul'taty vozdeystviya luchei Rentgena na vysshuiu nervnuiu dela'tel'nost' sobak [Leningrad] Meditsina, 1967. 148 p.
- VOLODIN, D.G. [On the way to the improbable] Na puti k nevozmozhnomu. Moskva, Znanie, 1967. 301 p.
- VORONTSOV, N.N. [Evolution of the digestive system in rodents, murine rodents] Evoliutsiia plishchivari'tel'noi sistemy gi yznuvov (mysheobiaznye). Novosibirsk, Nauka, 1967. 234 p.
- VSESOIUNZNOE OISHCHISTVO GELMINTOLOGOV. [Materials for the Scientific Conference of the All-Union Society of Helminthologists, December 1966] Materialy k nauchnoi konferentsii Vsesoiunznogo obshchestva gel'mintologov, dekabr' 1966 g. Moskva, PI 1 1966. 326 p. (DNAL)
- VSESOIUNZNYI SIMPOZIUM PO PERVICHNYM PROTSES-SAM V RETSEPTORNYKH ELEMENTAKH ORGANOV CHUVSTV, Iai, Pushchino, 1965. [Primary processes in the receptor elements of sense organs] Pervichnye protsessy v retseptornykh elementakh organov chuvstv. Moskva, Nauka, 1966. 195 p.
- VSEVAITSKII, B.V., comp. [Creative activity of students studying biology] Tvoi cheskaia aktivnost' uchashchikha pri izuchenii biologii; sbornik statei. Moskva, Prosveshchenie, 1965. 269 p. (CUU)
- ZAKHAROV, I.D. [Bionics of the sea] Bionika moria. Moskva, 1966. 15 p. (Lektora o bionike)
- ZARETSKII, V.I. [Study of trigonometric functions in secondary schools; a teachers manual] Izuchenie trigonometricheskikh funktsii v srednei shkole, posobie dlia uchiteloi Minsk, Narodnaia osveta, 1966. 153 p.
- ZHDANOV, V.M., and S.IA. GAIDAMOVICH. [Virology] Virologiia. Moskva, Meditsina, 1966. 480 p.
- ZUKHOVITSKII, S.I., and L.I. AVDEEVA. [Linear and convex programming] Lineina i vypukloe programmirovaniie. Izd. 2., perer. i dop. Moskva, Nauka, 1967. 460 p. (Ekonomiko-matematicheskai biblioteka)
- ### 14. MEDICINE
- ADASKULIEV, A. [Somo pathogenetic mechanisms of schizophrenia] O nekotorykh patogeneticheskikh mekhanizmach shizofrenii. Pod red. V.M. Banskheikova. Moskva, 1967. 248 p. (DNLM)
- AKTIUBRSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Transactions of the 4th scientific session] Trudy chetvertoi nauchnoi sessii Alma-Ata, "Kazakhstan," 1965. 380 p. (DNLM)
- AVDEEV, M.I. [Forensic medical expertise] Sudobno-meditsinskai ekspertiza. Moskva, Znanie, 1967. 76 p. (Narodnyi universitet Fakul'tet pravovykh znani, 5)
- BAKULEV, A.N., V.S.SAVEL'EV, and E.P.DUMPE. [Surgical treatment of the upper vocal cavity and its tributaries] Khirurgicheskoe lechenie okkluzii verkhnei poloi veny i ee prilokov. Moskva, Meditsina, 1967. 202 p. (DNLM)
- BODROVSKII, N.A., and A.S. TOKMAN. [Angina and chronic tonsillitis] Angina i khronicheskii tonzillit. Moskva, Znanie, 1967. 31 p. (Narodnyi universitet Fakul'tet zdorov'ia, 9)
- BOGATYREV, I.D., ed. [Moribidity of urban population and the norms of therapeutic and prophylactic aid] Zabolavaemost' gorodakogo naseleniia i normativy lechenno-profilakticheskoi pomoshchi. Moskva, Meditsina, 1967. 486 p.
- BUSYGINA, M.V. [Diseases of the teeth and mucous membrane of the oral cavity] Bolezni zubov i slizistoi obolochki polosti ria. Moskva, Meditsina, 1967. 341 p. (DNLM)
- ERIVANSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Materials of the scientific session dedicated to the 40th anniversary of the institute] Materialy nauchnoi sessii, posviashchennoi 40-letiiu osnovaniia instituta. Erevan, 1963. 150 p. (ICRL)
- [ESSAYS ON HUMAN AND ANIMAL PHYSIOLOGY AND PATHOLOGY UNDER CONDITIONS OF HIGH-MOUNTAIN REGIONS] Ocheiki po fiziologii i patologii cheloveka i zhivotnykh v usloviakh vysokogoia. [By] M.A. Allen i dr. [Leningrad] Meditsina, 1967. 155 p. (DNLM)
- FEDOROVSKII, A.A., and I.M. STAROVOTOV. [Treatment of laciillon mastitis] Lechenie laktatsionnykh mastitov. Kiev, Zdorov'ia, 1967. 158 p. (Biblioteka prakticheskogo vracha) (DNLM)
- GONCHAROV, P.P., and I.G. EROSHKIN, eds. [Basic philosophical problems of modern biology and medicine] Osnovnye filosofskie voprosy sovremennoi biologii i meditsiny. [Leningrad] Meditsina, 1967. 245 p.
- IAMPOL'SKAI, V.D., and N.I. KHURAMOVICH. [Anglo- and bronchography in tuberculosis and some other lung diseases] Anglo- i bronkhografiia pri tuberkuleze i nekotorykh drugikh zabolevaniakh legkikh. Moskva, Meditsina, 1967. 435 p. (DNLM)
- IANOVSKII, D.N., and M.A. CHEPELEVA. [Atlas of clinical hematology, a brief manual for workers of clinical laboratories] Atlas klinicheskoi gematologii, kratkoe rukovodstvo dlia rabotnikov klinicheskikh laboratorii. Kiev, Zdorov'ia, 1967. 30 p. illus. (DNLM)
- JORISH, N.P. [Boes and medicine] Pecheli i meditsina. Pod red. F.F. Tril'zina. Tashkent, Meditsina, 1966. 100 p.
- KASIKIN, P.N. [Dermatomycoses (in man and animal); a handbook for physicians] Dermatomikozy (cheloveka i zhivotnykh), rukovodstvo dlia vrachei. Izd. 3., perer. i dop. [Leningrad] Meditsina, 1967. 334 p. illus. (DNLM)
- KOMISSARENKO, B.T. [Mineral springs and medicinal muds of Sakhalin and the Kuriles] Mineral'nye istochniki i lechilnye gruzi Sakhalina i Kuril. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1964. 114 p. (DNLM)
- KOMOV, O.P., ed. [Lupus erythematosus] Krasnaia volchanka. Minsk, "Belarus," 1967. 142 p. (DNLM)
- KVASHININ, IU.K., and IU.M. PANTSIREV. [After effects of gastrectomy; pathophysiology, clinical aspects, treatment] Posledstviia gastrektomii; patofiziologiya, klinika, lechenie. Moskva, Meditsina, 1967. 269 p. (DNLM)
- LIKHACHEV, A.G. [Handbook on otorhinolaryngology] Spravochnik po otorinolaringologii. Moskva, Meditsina, 1967. 324 p. (DNLM)
- [LITTLE MEDICAL ENCYCLOPEDIA] Malai meditsinskai ensiklopediia. Otv. red. V.Kh. Vasilenko. Moskva, Sov. Ensiklopediia. Vol. 4. Inubatsiia - Larokahu. 1966. 1108 columns, phonorecord (insert)
- MAZAEV, P.N., V.P. SHISHIKIN, and I.M. PYL'TSOV. [Atlas of X-ray diagnosis of diseases of vessels of the portal systems] Atlas rentgenodiagnostiki zabolevani s osudov voratnoi sistemy. Moskva, Meditsina, 1966. 136 p. (DNLM)
- MEERSON, F.Z. [Myocardium in cardiac hyperfunction, hypertrophy and insufficiency] Miokard pri giperfunktsii, gipertrofii i nedostatochnosti sordtsa. Moskva, Meditsina, 1965. 318 p. (DNLM)
- NESTEROV, V.S. [Clinical aspects of diseases of the heart and vessels] Klinika boleznei sordtsa i osudov. Kiev, Zdorov'ia, 1967. 470 p. (DNLM)
- OB'EDINENNAIA KONFERENTSIIA NEIROKHIRURGOV. [Transactions of the Joint Congress of Neurosurgeons] Trudy. Otv. red. S.G. Zograblan. Erevan, Izd-vo AN Armianskoi SSR, 1965. 494 p. (DNLM)
- PICHKUR, I.F. [Epidemiology and prevention of bacterial and virus intestinal infections; manual for sub-professional medical personnel] Epidemiologiia i profilaktika bakterial'nykh i virusnykh kishchechnykh infektsii; posobie dlia srednikh meditsinskikh rabotnikov. Moskva, Meditsina, 1967. 210 p. (Biblioteka srednego meditsinika) (DNLM)
- PKHAKADZE, G.S. [Ways of eliminating ankylosiomas in Tkbul coal mines] Puti likvidatsii ankiostomoza v Tkbul'skikh ugoľnykh shakhtakh. Tbilisi, Sabchota Sakartvelo, 1964. 121 p. (DNLM)
- POGOZHEVA, L.N. [Neoplasms of the urinary bladder] Neoplasmy mezhovogo puzryia. Moskva, Meditsina, 1967. 242 p. (DNLM)
- POTAPOVA, I.N. [Dangerous tenants] Opasnye zhil'isy 2. izd. Moskva, Meditsina, 1966. 20 p. (Biblioteka shkol'nika)
- [PRESENT-DAY METHODS OF DIAGNOSIS OF MALIGNANT NEOPLASMS] Sovremennyye metody diagnostiki zloakashivennykh opukhotel. Pod red. N.N. Blokhina. Moskva, Meditsina, 1967. 356 p. (DNLM)
- RABINOVICH, L.M. [Odontogenic subcutaneous granuloma of the face] Odontogennai podkozhnii granuloma lica. [Leningrad] Meditsina, 1967. 111 p. (Biblioteka prakticheskogo vracha) (DNLM)
- ROZENBLAT, V.V. [Radiotelemetric studies in sports medicine] Radiotelemetricheskoe issledovaniia v sportivnoi meditsine. Moskva, Meditsina, 1967. 207 p.
- SAVCHENKO, O.N. [Hormones of the ovaries and gonadotropic hormones] Gormony laimnika i gonadotropny gormony. Pod red. V.G. Dananova. [Leningrad] Meditsina, 1967. 209 p. (DNLM)
- [SCIENTIFIC MEDICAL LITERATURE OF THE U.S.S.R.; index of books and articles published in the first half of 1963] Nauchnaia meditsinskai literatura SSSR, ukazatel' knig i statei za pervoe polugodie 1963 g. Sostavlen bibliograficheskim otdelom GTSNMB. Pod red. A.I. Moroz. Moskva, Meditsina, 1967. 1064 p.
- SERGEEV, A.A. [Physiological mechanisms of the effect of acceleration] Fiziologicheskie mekhanizmy deystviia uskoreniia. Leningrad, Nauka, 1967. 391 p.
- SHLYGIN, G.K. [Intestinal enzymes under normal conditions and in pathology] Fermenty kishchnika v norme i patologii. [Leningrad] Meditsina, 1967. 270 p. (DNLM)
- SMOL'NIKOV, V.P., and Z.V. PAVLOVA. [Difficult narcozes] Trudnye narkozy. Moskva, Meditsina, 1967. 183 p. (DNLM)
- SOLOV, A.A. [Exercise therapy in stomatology] Lecheniia fizkul'tura v stomatologii. Moskva, Meditsina, 1967. 156 p. (DNLM)
- [SUBCORTICAL AND STEM FUNCTIONS UNDER THE EFFECT OF IONIZING RADIATION ON THE ORGANISM] Podkorokovo-stvolovyye funktsii pri deystvii ioniziruiushchei radiatsii na organizm. [By] G.Z. Abdullin, i dr. [Leningrad] Meditsina, 1967. 161 p.
- VELICHENKO, V.M. [Repairing of defects of the large intestine and rectum with the use of ileotransplant] Zameshchenie defektov tolstoi i pramoii kishki ileotransplantatsii. Minsk, "Belarus," 1967. 107 p. (DNLM)
- VOU'FKOVICH, M.I. [Chronic suppurative middle otitis] Khronicheskii gnoiaiy srednii oit. Moskva, Meditsina, 1967. 120 p. (Biblioteka prakticheskogo vracha) (DNLM)
- VSEROSSISKII S'EZD TERAPEVTOV PO PROBLEME NEDOSTATOCHNOSTI SERDITSA, 2d, 1964. [Transactions of the 2d All-Russian Congress of Therapists on the Problem of Cardiac Insufficiency] Trudy. Pod obshchei red. A.L. Mianikova. Moskva, Meditsina, 1966. 503 p. (DNLM)
- ZLOTNIK, E.I. [Aneurysms of cerebral vessels] Aneurizmy osudov golovnogo mozga. Minsk, "Belarus," 1967. 295 p. (DNLM)

ZURABASHVILI, A. D. [Some clinical and theoretical researches in psychiatry. Nodmorye kliniko-teoreticheskie issledovaniya psikiatrii. Tbilisi, Satskhia Satskhelidze 1965. 235 p. [In Georgian]

ZVI REY, A. F. [Compensatory cranio-cerebral hernias and their surgical treatment]. Vrozhdennoye cherepnomozgovoye tsisticheskoye khranitselnoye tekhnicheskoye. Moskva, Meditsina, 1967. 173 p. (D'NIAT)

15. AGRICULTURE

ABUGALIEV, R. M., K. ZHUMABEKOV, and M. TAVITOV. [Manual for sheep raisers]. Spravochnik ovtsyevoda. Almaty-Alty, Kazar, 1966. 367 p. (D'NAL)

[ACHIEVEMENTS OF VETERINARY MEDICINE]. Dostizheniya veterinarnoy nauki. Moskva, Kolos, 1966. 359 p. (D'NAL)

[ADVANCE PRACTICES IN POTATO GROWING]. Peredovoi opyt vyrashchivaniya kartofelya. Minsk, Urozhai, 1965. 102 p. (Posobie dlya shkol' peredovogo opyta) (D'NAL)

[ADVICE TO THE FARMER]. Padomi zemkopim. Riga, Zvaigzne, 1966. 115 p. [In Latvian] (D'NAL)

[THE AGRICULTURAL SPECIALIST MUST HAVE PRACTICAL BOOKS, Index of literature for 1965]. Kniga - v pomoshch' spetsialistu sel'skogo khozaystva na proizvodstvo, ukazatel' literatury za 1965 god. Moskva, Kolos, 1967. 127 p. (D'NAL)

AKADEMIYA NAUK UZBEKSKOI SSR. Otdeleniye khimiko-tekhnologicheskikh i biologicheskikh nauk. [Basic principles of the intensification and mechanization of cotton growing on irrigated lands]. Osnovy intensifikatsii i khimizatsii sel'skokhozyaystvennogo proizvodstva v oroshayemom khlopkovodstve. Tashkent, Nauka UzSSR, 1965. 493 p. (D'NAL)

AVDOSHIKIN, I. A. [Our park]. Nash park. Saransk, Mordovskoe knizhnoe izd-vo, 1965. 56 p. [illus.] (D'NAL)

BAATAR, B. [Necrobacillosis of sheep and goats in the Mongolian People's Republic]. Nekrobatsilloz ovtsy i kozy v Mongol'skoi Narodnoi Respublike. Pod red. A. A. Volkovoi. Frunze, Ilim, 1967. 76 p. (D'NAL)

BEUSKII, B. B. [Mineral fertilizers in peat bogs, research on peat bog soils]. Mineral'nye udobreneniya na torfianokh, issledovaniya na torfiano-bolotnykh pochvakh. Minsk, Urozhai, 1966. 130 p. (D'NAL)

BOGDINSKAIA NAUCHNO-ISSEDOVATELSKAIA AGROLESOMELIORATIVNAIA OPYTNAIA STANTSIIA. [Shelterbelts and the agricultural development of the Astrakhan semidesert]. Lesnye zashchitnye polosy i sel'skokhozyaystvennoye osvoenie Astrakhanskoi polupustyni. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1966. 144 p. [illus.] (D'NAL)

BORISENKO, E. I. A. [Problems of animal husbandry; animal husbandry and zootechny in the U. S. S. R.]. Problemy zhivotnovodstva, zhivotnovodstvo i zootekhnicheskaya nauka v SSSR. Moskva, Znanie, 1967. 28 p. (Novoe v zhizni, nauke, tekhnike. V Serii Sel'skoye khozyaystvo, 5)

[BUCKWHEAT, bibliographical list of Soviet literature for 1961-1966 comprising 553 items]. Grechikha; bibliograficheskii spisok otechestvennoi literatury za 1961-1966 gg. v kollektive 553 nazvaniy. Moskva, 1966. 67 p.

DARDIKER, S. S. [Veterinarian on a state farm]. Vetrach sovkhooza. Kiev, Urozhai, 1966. 47 p. (D'NAL)

DOBROKHILEB, I. F., comp. [Leguminous and pulse crops, breeding, seed production, and cultivation practices]. Bobovyie i zernobobovyye kul'tury, selektsiya, semenovodstvo i agrotekhnika. Moskva, Kolos, 1966. 399 p. (CU)

DONTSOVA, Z. N. Sergei Semenovich Neustruev (1874-1928). Moskva, Nauka, 1967. 198 p. (Nauchno-biograficheskaya seriya)

EGOROV, V. I., and I. P. GRECHISHNIKOV. [Ways for the intensification of horticulture, orchards and berry plantations]. Puti intensifikatsii sadovodstva, sady i lagodniki. Moskva, Znanie, 1967. 70 p. (Nadnyi universitet Sel'skokhozyaystvennyi fakul'tet, 3)

EZHEVSKII, A. A., and I. E. EMEL'IANOV. [Commercial production of livestock produce in the U. S. A.; mechanization, technology, organization]. Promyshlennoe proizvodstvo produktov zhivotnovodstva v SSHA; mekhanizatsiya, tekhnologiya, organizatsiya. Moskva, Kolos, 1966. 254 p. (D'NAL)

FANDEEV, B. V., ed. [Manual for the dairy-farm worker]. Spravochnik rabotnika molochno-lovarnoi fermy. Moskva, Kolos, 1967. 399 p. (D'NAL)

FLOROV, B. P. [Propagation of fruit plants without grafting and by grafting on vegetatively reproduced rootstocks]. Razmnozheniye plodovykh rasteniy na sostavnykh korniakh i vegetativno razmnozhaemykh podvolzhakh. Minsk, Urozhai, 1965. 208 p. (D'NAL)

GONCHARENKO, N. T. [Automatic loader in the wood-processing industry]. Avtopogruzhchik v lesnoi i derevobrabatyvayushchei promyshlennosti. Moskva, Lesnaya promyshl., 1966. 163 p.

[HYDROBIOLOGY AND FISHING INDUSTRY OF LAKE Pskov-PEIPUS]. Gidrobiologiya i rybnoye khozyaystvo Pskovsko-Chudskogo ozeera. Tallinn, Valgus, 1966. 334 p. (Gidrobiologicheskoye issledovaniya, 4)

[INTENSIFICATION OF AGRICULTURE IN MAGADAN PROVINCE]. Intensifikatsiya sel'skogo khozyaystva Magadanskoi oblasti, sbornik statei. [Magadan] Magadanskoye knizhnoe izd-vo, 1966. 38 p. [D'NAL MICROFILM]

KAPANADZE, K. S. [Development of veterinary medicine in Georgia during the years of the Soviet regime]. Razvitiye veterinarii v Gruzii za gody sovetskoi vlasti. Tbilisi, Ganatleba, 1965. 415 p. (D'NAL)

KARPISOVA, R. A. [Oak forests in the park-forest zone of Moscow]. Dubnaya lesoparkovoi zony Moskvy. Moskva, Nauka, 1967. 162 p. (D'NAL)

KASHKAROV, A. K. [Agronomical bases of the inter-tillage cultivation of cotton in crop rotation]. Agonomicheskiye osnovy mekhanizatsionnoy obrabotki khlopchatnika v sevooborote. Tashkent, 'Uzbekistan', 1966. 93 p.

KICHIGIN, A. A., ed. [Wild-growing useful plants of the Komi A. S. S. R.]. Dikorastushchie poleznyye rasteniya Komi ASSR. Syktyvkar, Komi knizhnoe izd-vo, 1966. 191 p.

KIRDIASHKIN, A. S. [City workers are helping agriculture, work experience of the Ulan-Ude party organization in the struggle for developing agriculture of the Buryat A. S. S. R.]. Tрудyakhicheskaya goroda, sel'skomu khozyaystvu, iz opyta raboty Ulan-Udenskoi gorodskoi partinnoi organizatsii v bor'bu za pod'em sel'skogo khozyaystva respubliky. Ulan-Ude, Buriatskoye knizhnoe izd-vo, 1966. 50 p. (MH)

KLOCHIKOV, A. M. [Soils of Mordovia, their use and improvement]. Pochvy Mordovii, ikh ispol'zovanie i uluchsheniye. 2. izd., perer., dop. Saransk, Mordovskoye knizhnoe izd-vo, 1965. 238 p.

KUZ'MIN, V. P. [Breeding and seed production of grain crops in the Virgin Territory of Kazakhstan]. Selektatsiya i semenovodstvo zernovykh kul'tur v Tselinnom krae Kazakhstana. Moskva, Kolos, 1965. 197 p. (D'NAL)

LIUBAVSKAYA, A. I. A. [Breeding and cultivation of Karelian birch trees]. Selektatsiya i razvedeniye karelskoi berezy. Moskva, Lesnaya promyshl., 1966. 122 p. (D'NAL)

LIVEROVSKII, A. A. [Crane country; stories of a hunter]. Zhuravlinaya rodina, rasskazy okhotnika. [Leningrad] Lenizdat, 1966. 189 p. (IN)

LYSIKOV, V. N. [The use of ionizing radiation and some chemical substances in the formation of basic material for corn breeding]. Ispol'zovanie ioniziruyushchikh izlucheniy i nekotorykh khimicheskikh veshchestv dlya formirovaniya iskhodnogo materiala pri selektsii kukuruzy. Kishinev, Karla Moldoven'skogo, 1966. 153 p. (D'NAL)

MAMEDOV, T. G. [Problems of establishing a stable feed supply in Azerbaijan]. Azerbajchanska moloknaya bazaynyy jaradyshnyy meseleleri. Bakı, Azerbajchanskiy, 1967. 77 p. [In Azerbaijanian] (D'NAL)

[MECHANIZATION OF THE WORK IN CONTROLLED WIND EROSION OF SOILS]. Mekhanizatsiya raboty na kontrolye erozii pochv. Moskva, Kolos, 1966. 166 p. (D'NAL)

MEZHRESPUBLIKANSKII NAUCHNYI SOVET PO PROBLEME "KOMPLEKSNOE RAZVITIYE TEKHNIKI I TEKHNOLOGII KHLOPKOVODSTVA". Kirovabad, 1963. [Over-all development of the technical means and methods of cotton growing, materials of a session]. Kompleksnoe razvitiye tekhniki i tekhnologii khlopkovodstva. materialy zasedaniya. Kirovabad, 1963. 141 p. (CU)

MOSHIKOV, B. S. [Growing plants under artificial illumination]. Vyrashchivaniye rasteniy pri iskusstvennom osveshchenii. 2. pereizd. Leningrad, Kolos, 1965. 285 p. (D'NAL)

NAUCHNO-EKONOMICHESKAYA KONFERENCIYA, POSVYASHCHENNAIA AKTUAL'NYM VOPROSAM RAZVITIYA SIFIKATSI SEL'SKOGO KHOZYAYSTVA KOLKOZOV I SOVKHOZOV LATVINSKOI, LITOVSKOI I ESTONSKOI SSR, Riga, 1965. [Identification of the agricultural production of the Baltic republics; materials]. Intensifikatsiya sel'skokhozyaystvennogo proizvodstva pri bal'tiiskikh respublikakh. materialy. Riga, Zvaigzne, 1966. 365 p. (D'NAL)

[NEW METHODS IN THE BREEDING OF BEANS, PEAS, AND VETCH]. Novoe v metodike selektsii kormovykh bobov, gorokha i viki. Moskva, Izd-vo n. s. s. kh. izd-ry, zhurnalov i plakatov, 1963. 101 p. (MICM)

NIKITIN, L. I. [Safety measures and forest fire prevention techniques in forestry]. Tekhnika bezopasnosti i protivopozharnaya tekhnika v lesnom khozyaystve. Moskva, Lesnaya promyshl., 1966. 210 p. (D'NAL)

PESTRIKOV, V. K. [Fertilizers and crops in intensive vegetable gardening]. Udobreneniya i urozhai v intensivnom ovoshchevodstve. [Leningrad] Lenizdat, 1966. 93 p. (D'NAL)

PETERBURGSKII, A. V. [Agricultural chemistry and system of fertilizers]. Agrokhiimiya i sistema udobreniya. Moskva, Kolos, 1967. 422 p. (D'NAL)

[PHYSICO-CHEMICAL METHODS FOR STUDYING ADSORPTION, ADSORPTION AND ISOTOPE METHODS]. Fiziko-khimicheskiye metody issledovaniya pochv, adsorbtsionnyye i izotopnyye metody. Moskva, Nauka, 1966. 106 p.

PIRENEKO, A. I., and M. M. DROZHALOV. [Forest in the Northern Caucasus and increasing the productivity of forest lands]. Lesnoye khozyaystvo i proizvodstvo lesa Severnogo Kavkaza i povysheniye ikh produktivnosti. Moskva, 1966. 85 p. (Lesnoye khozyaystvo) (D'NAL MICROFILM)

[POISONOUS CHEMICALS AND FAUNA]. Iadokhimikaty i fauna. Moskva, Nauka, 1967. 78 p. (D'NAL)

POPOVA, A. A. [Types of adaptations of plant life feeding on forage plants]. Tipy prispособleniya k zhizni na kormovykh rasteniyakh. Leningrad, Nauka, 1967. 200 p. (D'NAL)

POPOVA, A. I. [San José scale]. Kaliforniyskaya shchitovka. Leningrad, Izd-vo s. s. kh. izd-ry, zhurnalov i plakatov, 1962. 76 p. [illus.] (Vrediteli i bolozni sel'skokhozyaystvennykh rasteniy) (CU)

[POTATOS IN SIBERIA AND KAZAKHISTAN]. Kartofel' v Sibiri i Kazakhstane. Moskva, Kolos, 1966. 270 p. (D'NAL)

[PROBLEMS OF VETERINARY VIROLOGY]. Voprosy veterinarnoi virusologii. Moskva, Kolos, Vol. 2, 1966. 653 p. (D'NAL)

PROKOF'EV, M. A. [Pests and diseases of orchards in Siberia]. Vrediteli i bolozni sadov Sibiri. Izdaniye, 1966. 261 p. (D'NAL)

- PROSIANYI, V. S., A. H. SOLOVEI, and H. I. SHPET [Fish culture] Rybnystvo. Za red. V. S. Prosiyanho, Kiy, Urozhai, 1966. 238 p.
- [PUSHKIN EXPERIMENT AND DEMONSTRATION MECHANIZED FOREST WORKING CIRCLE] Pushkinskii opyt-pokazatel'nyi mekhanizirovannyi leskhoz. Moskva, 1959. 4 p. (OCS)
- PUSTOVOIT, V. S. [Selected works; plant breeding, seed production, and some problems concerning the cultivation of sunflowers] Izbrannye trudy, selektsiya, semenovodstvo i nekotorye voprosy agrotekhniki podsolnechnika. Moskva, Kolos, 1966. 367 p. (CU)
- RADOSTEV, G. I. [Land loves order] Zemlia porladok. Lubi. [Perm'] Permskoe knizhnoe izd-vo, 1966. 43 p. (DNAL)
- [RUSSIAN-UKRAINIAN VETERINARY DICTIONARY] Russko-ukrainskii veterinarnyi slovar'. Sostaviteli: A. A. Iaroma, L. P. Pogrebniak. Kiev, Naukova dumka, 1964. 380 p. (IEN)
- SICHERBA, L. M., and G. D. STAROVEROV. ["Oreanda" leaves for the Atlantic] "Oreanda" ukhodit v Atlantiku. Simferopol', "Krym", 1965. 21 p.
- SUKEL', M. P., and S. M. DRAZHNIK. [Practices in the preparation and use of fertilizers] Opyt prigotovleniya i ispol'zovaniya udobrenii. [Minsk, Urozhai, 1966] 34 p. (Resheniya XXIII s'ezda KPSS v zhitel'i) (DNAL)
- SIUUGIN, A. M. [Soil climate and its regulation] Klimat pochvy i ego regulirovanie. Leningrad, Gidrometeoizdat, 1967. 297 p.
- SMIRNOV, V. D. [Rural computing bureau] Sol'skoe mashinostroenie blizn. Moskva, Statistika, 1966. 101 p.
- SODININ, V. A., and V. A. NIKULIN. [Potato as a northern crop] Kartofel'—kultura severnaya. Syktyvkar, Komit knizhnoe izd-vo, 1966. 129 p. (DNAL)
- [SOILS OF THE KAZAKH S.S.R. IN 10 NUMBERS] Pochvy Kazakhskoi SSR v 10 vypuskakh. Alma-Ata. No. 7. Assing, I. A., and others. [Soils of Dzhambul Province] Pochvy Dzhambul'skoi oblasti. 1967. 305 p.
- [SOME PROBLEMS OF STURGEON FISHERIES IN THE CASPIAN BASIN, a review] Nekotorye voprosy osvetnogo khoviatstva Kaspiiskogo basseina; obzor. Pod red. O. A. Bircnek. Moskva, 1966. 110 p.
- STOTSKII, V. N. [Intensification of cotton growing in Tajikistan] Intensifikatsiya khlopkovodstva Tadzhikistana. Dushanbe, Irfon, 1965. 42 p. (DNAL)
- [STUDIES ON THE BIOLOGICAL METHOD FOR CONTROLLING FARM AND FOREST PESTS, reports for the symposium of November 17-20, 1964] Issledovaniya po biologicheskomu metodu bor'by s vrediteliami sel'skogo i lesnogo khoziaistva; doklady k simpoziumu 17-20 noyabrya 1964 g. Novosibirsk, 1964. 223 p. (DNAL)
- [STUDYING THE CHEMISTRY AND TECHNOLOGY OF FERTILIZERS, PESTICIDES, AND SALTS; on the seventieth birthday of Academician S. I. Vol'fkovich] Issledovaniya po khimii i tekhnologii udobrenii, pestitsidov, soley i semidesiatil'letiu akademika S. I. Vol'fkovicha. Moskva, Nauka, 1966. 362 p. (DNAL)
- [TAKING STOCK OF THE LAND RESOURCES OF THE U. S. S. R. AND GROUPING THEM BY AGRICULTURAL PRODUCTION TYPES] Uchet i agroproduktivnyye gruppirovki zemel'nykh resursov SSSR. Moskva, Nauka, 1967. 180 p.
- TIUNIN, F. A., and L. I. PEREPELOVA. [Working in an apary] Rabota na paseke. Izd. 3., ispr. i dop. Moskva, Kolos, 1966. 375 p.
- TREBIN, B. N. [Mechanization of seed production of sugar beets] Mekhanizatsiya semenovodstva sakharnoi svьky. [Penza] Penzonskoe knizhnoe izd-vo, 1962. 73 p. (MIEM)
- TRULL', O. A. [Mathematical statistics in forestry] Matematicheskaya statistika v lesnom khoziaistve. Minsk, Vysshaya shkola, 1966. 232 p.
- [TURF-PODZOLIC SOILS, genesis, geography, crop-producing evaluation] Do novovo-podzolistye pochvy, genezis, geografiya, agroproduktivnaya otsenka. [Leningrad] Izd-vo Leningr. univ., 1967. 137 p.
- UMAROV, MUKHIDDIN. [Artificial insemination of farm animals as the basic method of breeding] Dorodkuni sun'li khalvonot va tashkili kori zolparvati. [Dushanbe] Irfon [1966] 86 p. [In Tajik] (DNAL)
- [USE OF HETEROSTIS IN ANIMAL HUSBANDRY] Ispol'zovanie geterozisa v zhivotnovodstve. Barnaul, Altai'skoe knizhnoe izd-vo, 1966. 150 p. (DNAL)
- [USE OF TISSUE PREPARATIONS IN ANIMAL HUSBANDRY AND VETERINARY MEDICINE, materials of the 2d scientific industrial conference, 1964] Primenenie tkanykh preparatov v zhivotnovodstve i veterinarii, materialy II nauchno-proizvodstvennoi konferentsii - 1964 g. Kiev, Urozhai, 1966. 389 p. (DNAL)
- VSESOUZNAIA AKADEMIIA SEL'SKOKHOZIAISTVENNYKH NAUK IMENI V. I. LENINA. [Problems of the agriculture of northern Kazakhstan and steppe regions of Western Siberia, materials of the out-of-town session of the All-Union Academy of Agricultural Sciences, held in Tselinograd, January 31-February 4, 1966] Problemy sel'skogo khoziaistva Severnogo Kazakhstana i stepnykh rayonov Zapadnoi Sibiri; materialy vyezdnoi sessii VASKHINIL, sostavshetsia v g. Tselinograde 31 yanvarya-4 fevralia 1966 g. Moskva, Kolos, 1967. 574 p. (DNAL)
- VSESOUZNAIA AKADEMIIA SEL'SKOKHOZIAISTVENNYKH NAUK IMENI V. I. LENINA. [Problems of the development of agriculture in the non-Chernozem zone, materials of the session of the Lenin All-Union Academy of Agricultural Sciences, November 10-16, 1965] Problemy razvitiia sel'skogo khoziaistva v nechernozemnoi zone; materialy sessii Vsesoiuznoi akademii sel'skokhoziaistvennykh nauk imeni V. I. Lenina, sostavshetsia 10-16 noyabrya 1965 g. Moskva, Kolos, 1967. 363 p. (DNAL)
- VSESOUZNAIA KONFERENTSIYA PO FIZIOLOGICHESKIM I BIOKHEMICHESKIM OSNOVAM POVYSHENIYA PRODUKTIVNOSTI SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH. 3d, 1965. [Physiological and biochemical principles of improving the productivity of farm animals, a collection of reports] Fiziologicheskie i biokhicheskie osnovy povyseniia produktivnosti sel'skokhoziaistvennykh zhivotnykh; sbornik dokladov. Pod red. N. A. Simanenkova. Moskva, Kolos, 1965. 278 p. (DNAL)
- VSESOUZNOE NAUCHNO-METODICHESKOE SOVESICHANIE PO ZASHCHITE VINOGRADA OT VRE-DITELEI I BOLEZNEI, Kishinev, 1961. [Materials of the All-Union Methodological Conference on the Control of Grape Diseases and Pests, Kishinev, 1961] Materialy. Kishinev, Sel'skhozizdat, 1962. 303 p.
- VSESOUZNOE SOVESICHANIE PO IMMUNITETU SEL'SKOKHOZIAISTVENNYKH RASTENII, 4th, Kishinev, 1965. [Work results of the 4th All-Union Conference on the Immunity of Farm Plants] Itogi raboty. Kishinev. Pis. 2-3. 1966. 2 v. (DNAL)
- ZAMANOV, P. B. [Fertilizers for tobacco in Azerbaijan] Azorbajchan SSR-de tulun tikilaini kubilennesi, Baki, Azorbajchan SSR Elmler Akademiyasi Nesirliji, 1966. 127 p. [In Azerbaijani] (DNAL)
- ABRAMOV, F. A., V. A. BOIKO, and V. A. DOLINSKII. [Laboratory manual on mine ventilation] Laboratornyi praktikum po rudnichnoi ventilatsii. Moskva, Nedra, 1966. 169 p.
- [ACHIEVEMENTS OF SCIENCE AND TECHNOLOGY: Electric engineering materials, electric condensers, wires, and cables] Itogi nauki i tekhniki: Elektrotehnicheskie materialy, elektricheskie kondensatory, provoda i kaboli 1962-1964. Moskva, 1966. 119 p. (Sorika: Elektrotehnika i energetika)
- [ACOUSTIC AND MAGNETIC TREATMENT OF MATERIALS] Akusticheskaya i magnitnaya obrabotka veshchestv. Novocherkassk, 1966. 137 p.
- [ACTION OF PERMAFROST PHENOMENA ON COMMUNICATION CABLES] Vozdeistvie mervlno-gruntovykh izvlenii na kabeli svyazi. [By] I. U. G. Kulikov i dr. Moskva, Svyaz', 1967. 46 p. (Novoe v tekhnike svyazi)
- [AERIAL METHODS] Aerometody. Moskva, (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1. 1967. 24 p.
- AIZIKOVICH, L. E. [Technology of commercial processing of grain, textbook for students majoring in "Economics of the grain storing and processing industry"] Tekhnologiya promyshlennoi pererabotki zerna, uchebnoe posobie dlia studentov spetsial'nosti "Ekonomika promyshlennosti por kharaneni i pererabotke zerna." Moskva. Pl. 2. 1966. 199 p.
- ALTUKHOV, V. F. [New developments in the production of veneers, plastics, and boards, materials at the Leningrad Veneer and Furniture Combine] Novoe v proizvodstve fanery, plastikov i plit, opyt Leningrad'skogo fanerno-mebel'nogo kombinata. Moskva, Leningrad'skaya promyshl., 1966. 84 p.
- [APPLICATION OF NEW PHYSICAL AND PHYSICO-CHEMICAL EFFECTS ON PULP IN MINERAL DRESSING] Priboenie novykh fizicheskikh i fiziko-khimicheskikh vozeistvii na pul'pu pri obogashchenii poleznykh iskopayemykh. Moskva, Nauka, 1967. 78 p.
- ARTAMONOV, V. S. [Corrosion protection of reinforced concrete] Zashchita zhelezobetona ot korrozii. Moskva, Stroiizdat, 1967. 127 p.
- [ATOMIZATION OF LIQUIDS] Raspylivanie zhidkostei. [By] V. A. Borodin i dr. Moskva, Mashinostroenie, 1967. 262 p.
- [AUTOMATION OF RESEARCH AND PRECISION CONTROL IN THE MANUFACTURE OF MACHINERY] Avtomatizatsiya issledovani i kontrolia tochnosti v mashinostroenii. Moskva, Nauka, 1967. 245 p.
- AVDEEV, I. A., A. P. NIKOLAEVA, and G. A. SEN'KINA. [Solution of problems with consideration of optimality in development of network schedule graphs] Reshenie zadach na optimum pri razrabotke setevykh grafov. Leningrad. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Biblioteka "Avtomatizirovannaya sistema upravleniya strotel'stvom.") No. 2. Pod red. N. A. Smirnova. 1966. 26 p.
- BAKIMAN, V. I., and others. [Methods for the analysis of mineral waters] Metodika analiza mineral'nykh vod. Pod red. P. N. Paleia. Moskva, 1965. 245 p.
- BARKAN, S. M., and M. F. KULESHOVA. [Processed cheeses] Plavlonye syry. Moskva, Pishchevala promyshl., 1967. 282 p.
- BARON, L. I., ed. [French-Russian technical dictionary. 35,000 terms] Frantsuzsko-russkii tekhnicheskii slovar'. 35,000 terminov. Moskva, Sov. Entsiklopediya, 1967. 898 p.
- BEIZEL'MAN, R. D., B. V. TSYPKIN, and I. A. PEREL'. [Antifriction bearings; a handbook] Podshipniki kacheniia; spravochnik. Izd. 5., ispr. i dop. Moskva, Mashinostroenie, 1967. 563 p.
- BELIAEV, I. A. E. [Special types of animated cartoon photography] Spetsial'nye vidy mu'f'likatsionnykh s'etmok. Moskva, Iskusstvo, 1967. 115 p.
- BELIAEV, V. F., and A. V. PIASOLOV. [Mechanical and physicochemical methods of soil stabilization] Mekhanicheskie i fiziko-khimicheskie sposoby ukrepleniia gornykh porod. Moskva, Nedra, 1967. 114 p.
- BERNSHTEIN, L. B. [Experience in the operation of horizontal axial-flow hydraulic turbines; enclosed and shaft-type units] Opyt ekspluatatsii gorizonta'nykh osyevykh gidroagregatov, kapsul'nykh i shakhtnykh. Moskva, Energiya, 1966. 112 p.
- [BIBLIOGRAPHY OF PRINTED WORKS OF MEMBERS OF THE GAS INSTITUTE OF THE ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R., published in 1963-1965] Bibliografiya pechatnykh trudov sotrudnikov Instituta gaza AN USSR, opublikovannykh v 1963-1965 godakh. Kiev, Naukova dumka, 1966. 18 p.
- BLAGOV, I. S. [Coal preparation on concentration tables] Obogashchenie ugli na koncentratsionnykh stolakh. Moskva, Nedra, 1967. 123 p.

16. TECHNOLOGY

- BOGDANOV, E. L. [Problems of technical progress in washing sands from placer deposits of the northeastern U. S. S. R.]. Voprosy tekhnicheskogo progressa na promyshle peskov rossyyskikh mestorozhdenii Severo-Vostochna SSSR. [Magadan] Magadanskoe knizhnoe izd-vo, 1987. 206 p.
- BOGDANOV, G. B. [Principles of the theory and use of fortils in measurements and control equipment]. Osnovy teorii i primeneniya feritov v tekhnike izmerenii i kontrolya. Moskva, Sov radio 1987. 399 p.
- BOGUSLAVSKII, L. D. [Handbook for young plumbers]. Spravochnik molodogo sanitsehnika. Izd. 2., perer. i dop. Moskva, Vysshaya shkola, 1986. 231 p.
- BOGUSLAVSKII, V. N. [Manufacture of ammonium nitrate]. Proizvodstvo ammoniachnoi selitry. Kiev, Tekhnika, 1987. 159 p.
- BOKSHCHANIN, I. U. R., ed. [Manual for a woodprocessing foreman]. Spravochnik мастера деревообрабат. Moskva, Lesnaya promyshl., 1987. 238 p.
- BONDARENKO, V. P., and M. I. PLETNIK. [Electrician's handbook]. Spravochnik elektromontazhnika. Kiev, Budivelnik, 1987. 397 p.
- BOROVSKII, N. N., and I. V. KUZNEVA. [Engineering design; a textbook]. Inzhenernye ischyety; uchebnoe posobie. Leningrad, 1987. 135 p.
- BORISENKO, I. G. [The record flight of "Chalka"]. Rekordnyi polet "Chalki". Moskva, DOSTAF, 1988. 68 p. (Molodezhni o gerolkh i podvigakh)
- [BRIEF INSTRUCTIONS ON PLANNING AND BUILDING RESIDENTIAL MICRODISTRICTS ON NEW TERRITORIES IN CITIES OF THE UKRAINIAN S. S. R.] Kratkie ukazaniya po planirovke i zaostrozhke zhilykh mikrozon na novykh territoriyakh v gorodakh Ukrainy SSSR. Kiev, Gosstroizdat USSR, 1980. 45 p.
- CHANG, SHELDON S. L. [Synthesis of optimum control systems. Translated from the English]. Sintez optimal'nykh sistem avtomaticheskogo upravleniya. Pod red. V. V. Solodovnikova. Moskva, Mashinostroyeniye, 1984. 439 p. (NJP)
- CHEKASOV, B. P. [Production management at building sites]. Upravleniye proizvodstvom na stroitel'nykh ploshchadkakh. Moskva, Stroizdat, 1987. 102 p.
- CHEKHOV, A. I. [Improvement of washing units with jet pumps]. Sovershenshtvovanie promyshlovykh ustanovok so strunnymi nasosami. [Magadan] Magadanskoe knizhnoe izd-vo, 1986. 100 p.
- CHEVYAKOV, P. A. [The World Exhibition in Montreal, 1987]. Vsesvetskaya vystavka v Monreale (1987 god). Moskva, Znanie, 1987. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya; Mezhdunarodnaya, 10)
- CHOLCHEVA, P. L. [Modern Bulgarian cookery. Translated from the Bulgarian]. Sovremennaya bolgarskaya kukhnya. Pod red. N. V. Grigor'eva. Sofia, Tekhnika 1986. 596 p.
- DANILOVICH, G. A., G. V. MARKUS, and V. T. FROLKIN [Instructions on laboratory work in a course in "Pulse techniques"]. Rukovodstvo k laboratornym rabotam po kursu "Impul'snaya tekhnika". Pod red. G. A. Danilovicha. Moskva, 1986. 120 p.
- DATUKESHVILI, V. I. [Machinery industry in Soviet Georgia. Mashinostroyeniye v Sovetskoy Gruzii. Tbilisi, Sabchola Sakartvelo] 1986. 283 p. (In Georgian)
- DEM'YANOV, L. A., and S. K. SARAFANOV. [Increasing the reliability and durability of motor-vehicle and tractor engines]. Puti povysheniya nadezhnosti i dolgozhitel'nosti avtomobilnykh dvigateli. Moskva, Voenizdat, 1987. 151 p.
- [DETERMINING FREQUENCIES AND SHAPES OF NATURAL VIBRATIONS OF ROD SYSTEMS]. Opredeleniye chastot i form sobstvennykh sterzhevykh sistem. Moskva, 1986. 21 p. (Biblioteka program dlya EVM. 1. Inzhenerno tekhnicheskii razdel, no. 29)
- DMITRIYEV, E. V. [Maintenance of industrial buildings and structures]. Eksploataciya promyshlennykh zdaniy i sooruzhenii. Moskva, Stroizdat, 1987. 117 p.
- DOBRIANSKII, A. I. [Using unification in machinery construction, Soviet and foreign practice]. Primeneniye agregirovaniya v mashinostroyenii, otechestvennyi i zarubezhnyi opyt. Moskva, Izd-vo Standartov, 1986. 205 p.
- DOLGOV, V. A. [Bull-in automatic control systems]. Vstroennyye avtomatizirovannyye sistemy kontrolya. Moskva, Energiya, 1987. 77 p. (Biblioteka po avtomatike, no. 225)
- DOL'NIK, A. G. and M. M. EFRUSI. [Microphones]. Mikrofony. Izd. 2., perer. i dop. Moskva, Energiya, 1987. 31 p. (Massovaya radiobiblioteka. Spravochnaya seriya, no. 635)
- DRUZHININ, G. V. [Reliability of automatic control systems]. Nadezhnost' sistem avtomatiki. Izd. 2., perer. i dop. Moskva, Energiya, 1987. 526 p.
- DUKHANIN, I. A. [Safety measures in paint and varnish shops]. Tekhnika bezopasnosti v lekhtakh lakokrasochnykh pokrytiy. Moskva, Mashinostroyeniye, 1986. 114 p.
- [DUST SUCKING PARTS OF CRUSHING AND SORTING EQUIPMENT OF STONE AND GRAVEL PLANTS, conical crusher]. Obozryvaya kushchle uklyyit drol'no-sortirovochnogo oborudovaniya kumeshchebnochnykh zavorod, konusnaya droblilka. Tol'li, 1985. 211.
- DUTKIN, G. S. [Mouling of the wires of overhead power transmission lines on pin insulators]. Montazh provodov linii elektroperedachi na shlyurevykh izolyatorakh. Izd. 2. Moskva, Energiya, 1987. 78 p. (Biblioteka elektromonera, no. 224)
- DZHUVARLY, CH. M., and others. [Ways of improving the quality of transformer oils]. Puti uchucheniya kachestva transformatornykh masel. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1987. 175 p.
- EESTI NSV TEADUSTE AKADEEMIA. Kosknaa malukogu [Industrially produced roofs in housing construction; an annotated index of Soviet literature for 1948-1959]. Industriallye kryshi v zhilishchnom stroitel'stve; annotirovannyi ukazatel' otechestvennoi literatury za 1948-1959 gg. Tallinn, 1961. 45 p. (NN)
- EMEL'YANOV, A. G. [Products for dyeing with azo dyes in the textile industry]. Produkty dlya azolnogo kraseniya v tekstil'noi promyshlennosti. Moskva, Legkaya Industriya, 1987. 298 p.
- ESTERKIN, R. I. [Transfer of industrial boilers to gas fuel]. Perovod promyshlennykh kotlov na gazoobiazivoe toplivo. Pod red. P. N. Kondys'. [Leningrad] Zhenergiya, 1987. 205 p.
- EUROPEAN CONGRESS OF MEAT RESEARCH INSTITUTES. 11th. [Papers. Doklady]. Moskva, [No. 1] Smiley, K. D., S. G. Liberman, and V. L. Petrovskii. [Rapid thermophysical method for dehydrating and defatting technical raw materials in the production of protein-rich livestock feeds]. Skorostnoi termofizicheskii metod obezozhivaniya i obezhzhirvaniya tekhnicheskogo syr'ya pri proizvodstve belkovykh zhivotnykh kormov. 1985. 8 p. [No. 2] Krasikova, V. L., and others. [Effect of cover pickles on microflora]. Vlianiye zalivnykh rassolov na mikrofloru. 1985. 9 p. [No. 3] Krylova, N. N., and others. [Elimination of smoke in the production of cooked, semismoked and smoked sausages]. Isklucheniye dyma iz tekhnologii prigotovleniya varennykh, polukopchenykh i kopchenykh kolbas. 1985. 10 p. [No. 4] Plut'skaya, V. I. [Changes in pork fat under the influence of high temperatures]. Izmeneniya v svinoe zhire pod deystviem vysokikh temperatur. 1985. 14 p. [No. 5] Linskova, I. U. N., and L. F. Kel'man. [Evaluation of the quality of the meat of slaughter animals by the content of polyunsaturated fatty acids]. Otsenka kachestva miassa ubitnykh zhivotnykh po soderzhaniiu polinenasychennykh zhivotnykh kislot. 1985. 9 p. [No. 6] Kukharova, I. I., and others. [Microflora of smoked pork and the use of a stimulating culture in the production of lams]. Mikroflora svinskopchenosti i primeneniye pobuditel'nykh kultur pri proizvodstve okorokov. 1985. 16 p. [No. 7] Shishkova, N. N., and others. [Effect of packing methods on the quality of precooked meat products during storage]. Vlianiye sposobov upakovki na kachestvenno pokazateli kulturno-obrabortnykh miasoproduktov pri khraneni. 1985. 21 p. [No. 8] Belen'ki, N. G. [Biological evaluation of principal meat canning methods]. Biologicheskaya otsenka osnovnykh metodov konservirovaniya miassa. 1985. 27 p.
- [MICROFILM]
- EVYANOV, S. I. [Tube oscillators]. Lampovye generatory. Moskva, Svyaz, 1987. 384 p.
- FEDORENKO, V. A., and A. I. SIZOV. [Machinery drawing]. Spravochnik stroitel'nogo chertachika. 8. Izd., dopoln. Mashinostroyeniye, 1986. 280 p.
- FIRKOVICH, B. S. [Automation of the production and processing of sulfuric liquid]. Avtomatizatsiya proizvodstva i pererabotki kisloty. Moskva, Mashinostroyeniye, 1987. 280 p.
- FIVEG, M. P. [Methods of processing of sulfuric salts]. Metody obrabotki kisloty. Moskva, Mashinostroyeniye, 1987. 280 p.
- [FOR A PAINTER, I recommend...]. Rekomendatsii dlya zhivopisa. 1986. (V pomoshch' rabotnike). 1986. 1 p.
- [FROM THE EXPERIENCE OF...]. Iz opyta raboty... 1987. 36 p.
- FURSOV, S. P. [Electric pulse...]. Elektricheskie impul'sy... 1987. 36 p.
- GAGULIN, M. V. [Modern methods...]. Sovremennyye metody... 1987. 144 p.
- GAIKIN, I. F. [Automatic control...]. Avtomaticheskoe upravleniye... 1987. 144 p.
- GENDIN, G. S. [Advice on the...]. Sovety po... 1987. 144 p.
- [GENERAL ELECTRICAL ENGINEERING...]. Obshchaya elektrotekhnika... 1987. 224 p.
- GERMAN, M. M., and L. N. ZAVITSA. [Measuring vibration parameters...]. Izmereniye parametrov... 1987. 12 p.
- [GERMAN-RUSSIAN METALLURGY...]. Nemecko-rossiyskaya metallurgiya... 1987. 760 p.
- GERVAZIUK, B. V. [Calculating...]. Raschet... 1987. 96 p.
- GINZBURG-SHIK, L. D., and A. P. [Electrical power plants and...]. Elektricheskiye stantsii i... 1987. 142 p.
- GORBATOV, V. M., and F. F. [Labor protection in the meat...]. Bezopasnost' i okhrana... 1987. 239 p.
- GORENBEIN, V. I. A. [Wear-resistant...]. Iznoostoystoyivyye... 1987. 142 p.
- GORSHENINA, G. I., and N. V. MIKHAILOV. [Bituminous insulating materials]. Bitumnyye izolatsionnyye materialy. Moskva, 1987. 239 p.
- GRIBANOV, I. I. [Measurements...]. Izmereniya... 1987. 270 p.
- [GRINDING AND POLESHING GLASS...]. Obrabotka... 1987. 270 p.

- LITSKII, A. A. [Repair of the electrical equipment of tractors] Remont traktornogo elektropobudovaniia Moskva, Kolos, 1966. 166 p. (Biblioteka razno-chego-remontnika)
- LITVINENKO, P. A. [Filter attending gas equipment of industrial enterprises] Slusar' po obsluzhivaniu gazo- vogo oborudovaniia promyshlennykh predpriatii Mos- skva, Nedra, 1966. 239 p.
- LITVINOV, I. M. [Apparatus for rapid determination of basic physical characteristics of soils in quality con- trol of earthwork operations, report] Pribor dlia uskorennoogo opredeleniia osnovnykh fizicheskikh kha- rakteristik grunтов pri kontrole za kachestvom proiz- vodstva zemliannykh rabot, nauchnoe soobshcheniie. Kiev, Izd-vo arkhiv, Ukrainiskoi SSR, 1954. 26 p.
- LITVINOV, I. M. [Devices for field studies of soils] Pribory dlia issledovaniia grunтов v polevykh uslo- vitiakh. Kiev, Izd-vo Akad. arkhiv Ukrainiskoi SSR, 1954. 26 p.
- LIVSHITS, D. S. [Heating of conductors and fuse protec- tion in electrical networks with ratings up to 1,000 volts] Nagrev provodnikov i zashchita predokhra- nitel'nykh v elektrosetskakh do 1000 v. Izd. 2, perer. i dop. Moskva, Energiia, 1967. 72 p. (Biblioteka elek- tromontera, no 219)
- L'VIN, I. A. [Fundamentals of the theory of shells, abstracts of lectures] Osnovy teorii obolochek, kon- spekt lektsii Voronezh, Izd-vo Voronezhskogo univ., 1966. 117 p.
- LYCHKOVSKI, G. L., and I. M. RAKHLIS [New equip- ment and advanced technology in reloading operations, practice of Odessa Harbor] Novaya tekhnika i peredo- vaia tekhnologiya na peregruzochnykh rabotakh, opyt Odesskogo porta. Moskva, Transport, 1967. 117 p.
- MADER, JULIUS. [The secret of Huntsville, a documen- tary story about the career of the "rocket boy" Wern- her von Braun. Translated from the German] Taina Huntsvillia, dokumental'nyi rasskaz o kar'ere "raket- nogo boyara" Verneru fon Brauna. Moskva, Izd-vo politlit-ry, 1965. 180 p. (CU)
- MAKSIMOV, V. A., and S. G. BELIANIN [Applications of electronic digital computers] Primenenie elektron- nykh tsifrovyykh vychislitel'nykh mashin. Moskva, TsNIIPI 1964. 34 p. (Obzor obochestvennykh i zaru- beznykh izobretenii. Priborostroenie)
- MALYSHKOV, M. M. [Electronics in the textile industry] Elektronika v tekstil'noi promyshlennosti. Moskva, Legkaya Industriia, 1967. 143 p.
- MAMEDOV, I. A. [Expansion of metallurgy in Azerbaj- jan] Azerbajdzhanda metallurjiya sonajesinin inkislaty. Baki, Azerbajdjan SSR Elmiler Akademiyasynyn Neshriyyatly, 1967. 79 p. [In Azerbajjani]
- MANUILOV, P. N. [Thermotechnical measurements and automation of thermal processes] Teploekhnicheskie izmereniia i avtomatizatsiia teplovykh protsessov. Mos- skva, Energiia, 1966. 278 p.
- MARKELOV, K. S. [New gauges] Novee masshtabnye in- strumenty. [Leningrad] Leningrad, 1967. 70 p. diagr. (insert)
- MASLOV, A. A. [Electronic semiconductor devices] Elektronnye poluprovodnikovye pribory. Izd. 2, perer. Moskva, Energiia, 1967. 309 p.
- MASLOV, A. M., ed. [Equipment for high-temperature pasteurization, sterilization and cooling of food liquids] Oborudovanie dlia vysokotemperaturnoi pasteurizatsii, sterilizatsii i okhlazhdeniia plishchevykh zhidkostei. [By] G. A. Eresko i dr. Leningrad, Mashinostroenie, 1967. 231 p.
- MATVEEV, I. U., and others. [Electric welding in the manufacture of pipes] Tekhnologiya proizvodstva elektrosvarnykh trub. Moskva, Metallurgiya, 1967. 162 p.
- [MECHANIZED TOOLS AND FINISHING MACHINES, reference catalog] Mekhanizirovannyi instrument i oide- lochnye mashiny; katalog-spravochnik. Moskva, Mashinostroenie, 1967. 463 p.
- SLAMEDOV, I. M. [Engineering evaluation of the re- liability of technical devices] Ob izmenenii otsenke nadezhnosti tekhnicheskikh ustroystv. Leningrad, 1966. 42 p. (Leningradskii dom nauchno-tekhnich- eskoj propagandy. Seriya "Uluchshenie kachestva, povy- sheniye nadezhnosti i dolgovechnosti mashin, priborov i drugikh promyshlennykh izdelii")
- MESCHIAN, S. R. [Creep of clay soils] Polzuchest' gli- nistykh grunтов Erevan, Izd-vo Akad. nauk Armian- skoi SSR, 1967. 318 p.
- MEZHAKOV, V. A., and S. I. VASILENKO. [Standardized coal cutter loaders "Kirovets" and UKMG-3m] Uni- ftsirovannyye ugolnye kombiny "Kirovets" i UKMG-3m. Moskva, Nedra, 1967. 357 p.
- MIKASHIN, V. N. [Methods and means for reducing industrial noise] Melody i sredstva snizheniia proiz- vodstvennogo shuma. Kiev, Budiveln'nyk, 1967. 106 p.
- MIRONOV, I. A. [Labor protection in the cotton industry; in spinning, twisting, and weaving operations] Otkhrana truda v khlopchalo-bumazhnoi promyshlennosti, v pila- di'nom, krutit'nom i tkatskom proizvodstvak. Mos- skva, Legkaya Industriia, 1967. 313 p.
- MLADOK, B. I. [Design, assembly, and operation of gas regulating stations] Ustroystvo, montazh i eksploatatsiia gazoregulyatornykh punktov. Izd. 2, po is i dop. Leningrad, Nedra, 1967. 161 p. (Biblioteka mastera gazovogo khozaistva)
- MOSKOVSKAYA KONFERENTSIA MOLODYKH UCHE- NYKH I SPETSIALISTOV, 1964. [Cybernetics, papers] Kibernetika, [doklady] Moskva, Nauka, 1967. 311 p. (Mir glazami mladogo uchenogo)
- ["MOSKOVICH-408" AUTOMOBILE; design and technical maintenance] Avtomobil "Moskvich-408", konstruktsiia i tekhnicheskoe obsluzhivanie. [By] L. I. Belkin i dr. Pod red. A. T. Andronova. Moskva, Mashinostro- enie, 1967. 446 p.
- MOSKVIN, V. M., and others. [Resistance of concrete and reinforced concrete below freezing points] Stoikost' betona i zhelezobetona pri otlazhdenii tempera- ture. Moskva, Izd-vo lit-ry po stroit., 1967. 131 p.
- NADOKOV, K. F., and I. M. DUBINSKII. [Operating air- driven jiggers] Eksploatatsiia besoprasheynykh otsa- dochnykh mashin. Moskva, Nedra, 1966. 155 p.
- NARYSHKIN, A. K., ed. [Calculation of pulse circuits; a textbook on a course in "Pulse techniques"] Raschet impul'snykh skhem, uchebnoe posobie po kursu "Im- pul'snaya tekhnika" (dlia studentov i adletekhnicheskogo fakul'teta). [By] A. K. Naryshkin i dr. Moskva, 1966. 239 p.
- [NATIONAL BUREAU OF STANDARDS OF THE UNITED STATES, informational survey] Natsional'noe biuro standartov SShA, informatsionnyi obzor. Moskva [Izd-vo Standartov] 1966. 46 p.
- NAUCHNO-TEKHICHESKOE SOVESHCANIE PO BURU- VZRYVNYM RABOTAM, Dnepropetrovsk, 1965. [Sum- mary of a report and communications of the Scientific and Technological Conference on Borehole Drilling] Tezisy dokladov i soobshchenii. Moskva, Sbornik 1-4. 1965. 4 v.
- NECHAEV, M. A., and others. [Handbook for gas pipe- line workers] Spravochnik iabotka magistral'nogo gazoprovoda. Leningrad, Nedra, 1966. 390 p.
- NEMINUSCHII, V. V. [Cold wide-sheet rolling mill] Stan khodolnoi prokatki shirokikh listov. Moskva, Metallurgiya, 1967. 111 p.
- NEMTSOV, L. D. [High-precision gravity prospecting] Vysokotochnaya gravirazvedka. Moskva, Nedra, 1967. 230 p.
- NEPSHA, A. V. [Resin-bonded dolomite refractories for use in converters] Konvertornyie smolodolomitovyie ognepupy. Moskva, Metallurgiya, 1967. 123 p.
- NIKOMAROV, G. M. [Precise calculation of the bending of flexible cantilever single-span beams; underwater and above-ground pipelines inclusive] Ulochnennyi raschet izgiba gibkikh konsol'nykh i odnoproletnykh balok; vkluchata podvodnye i nazemnye truboprovody. Baku, Azerneshr, 1965. 124 p.
- NOSOV, G. I. A. [Mechanization of postal service] Mekha- nizatsiia predpriatii pochnoi aviazii. Moskva, Svyaz', 1967. 255 p.
- NOVIKOV, M. D. [Calculation of optimal parameters of heat exchangers of gas turbine systems] Raschet optimal'nykh parametrov teplotobmennyykh apparatov gazoturbinykh ustanovok. [Leningrad] Energiia, 1967. 141 p.
- OBRAZTSOV, V. A. [Operation and repair of low-voltage starting equipment] Eksploatatsiia i remont puskovoi nizkovol'noi apparatury. [Leningrad] Energiia, 1967. 233 p.
- ONISHCHENKO, G. B. [Asynchronous rectifier stage] Asinkhronnyi ventill'nyi kaskad. Moskva, Energiia, 1967. 152 p.
- [OVERALL MECHANIZATION SYSTEMS FOR ASSEM- BLING SPACE STRUCTURES] Skhemy kompleksnoi mekhanizatsii montazha prostanstvennykh konstruktsii. Moskva, Stroiizdat, 1966. 48 p.
- PANCHENKO, E. I., and A. S. KOROVKIN. [Cosmic electric power engineering] Kosmicheskaya elektro- energetika. Pridel, N. S. Lidenko. Moskva, Znanie, 1967. 30 p. (Novoe v zhizni, nauka, tekhnika. IX Seriya: Fizika, astronomiya, 5)
- PANOVKO, I. A. G. [Fundamentals of the applied theory of elastic vibrations] Osnovy prikladnoi teorii uprugikh kolebaniy. Izd. 2, perer. Moskva, Mashinostroenie, 1967. 315 p.
- [PHASE AND RELATIVE PHASE TELEGRAPHY] Fazo- vaya i otnositel'naya fazovaya telegrafiia, shemnykh skem. Moskva, Svyaz', 1967. 187 p. (Tekhnika svyazi)
- PICHUGIN, M. S., and others. [Lithologic-industrial types and characteristics of the distribution of cement raw materials in the central area of the Russian Platform] Litologicheskii i tekhnicheskii tipy i zakonnoosti raz- nosheeniia tsementnogo sy'la v Tsentral'nom rabone Russkoi platformy. Moskva, Nauka, 1967. 160 p.
- PIKUSH, N. V. [Methods and instruments for hydromet- eory research and development] Metody i pribory gidrometrii, issledovaniia i razrabotka. Leningrad, Gidrometeoizdat, 1967. 200 p.
- PIVEN, V. D., D. B. BAIASANOV, and G. D. M. D. [Automation of gas-turbine units] Avtomatizatsiia gazoturbinykh ustanovok. Leningrad, Mashinostro- enie, 1967. 255 p.
- POLJANOV, V. T., and A. I. D'IAKOV. [Accidents on first delivery] S pervogo pred'izvleniia. Ufa, Nauch- kirskoe knizhnoe izd-vo, 1965. 45 p.
- [POWDER METALLURGY] Poroshkovaya metallurgiya. Riga, 1966. 113 p.
- POZDNIakov, S. E., and G. P. SHEINA. [Safety in elec- tric power engineering] Tekhnika bezopasnosti v elektroenergetike. Minsk, "Belarus", 1965. 140 p. (Biblioteka elektromontera, no. 10)
- [PRESSURE WORKING OF HIGH-MELTING METALS AND ALLOYS] Obrabotka davleniem lupoavlykikh metallov i spлавov. [By] N. I. Kurnov i dr. Moskva, Metallurgiya, 1967. 200 p.
- [PRINCIPLES OF RADIO RECEIVERS DESIGN] Osnovy proektirovaniia radio priemnikov. [By] V. D. Gorshchev i dr. [Leningrad] Energiia, 1967. 491 p.
- [PROBLEMS OF THE AUTOMATION OF AGRICULTURAL PRODUCTION] Problemy avtomatizatsii mel'kho- khozaiствennogo proizvodstva. Moskva, Kolos, 1964. 439 p. (MIEW)
- [PROBLEMS OF THE MECHANIZATION AND ELECTRIFI- CATION OF AGRICULTURAL PRODUCTION] Voprosy mekhanizatsii i elektrifikatsii mel'kokohtaiствennogo proizvodstva. Ashkhabad, "Turkmenistan," 1966. 220 p.
- RAVKIND, A. A. [Standardized diesel gas-fuel engines] Uni- ftsirovannyye gazovyye dizel'nye dvigateli. Moskva, 1967. 194 p.
- RESIKIN, V. M. [Innovators suggest] Novatory predla- galut. [Leningrad] Leningrad, 1966. 118 p. (Peredovoi opyt - veseli)
- RIZGA, P. [Use of polyester varnish for furniture finish- ing] Opyt primeneniia poliofirovno go laka dlia otdeki mebeli. Riga, 1966. 26 p. (Izvestia tekhnicheskoi infor- matsii. Derzvoobrabatывaushchaya i bumazhnaya promyshlennost', no. 1)
- ROGOVIN, Z. A. [New woodpulp materials] Novee izet- lilozhnoye materialy. Moskva, Znanie, 1967. 59 p. (Novoe v zhizni, nauka, tekhnika. XI Seriya: Khimiia, 5)
- RUDOLF, V. V. [Mechanization of the technological processes of the production of soft drinks] Mekhani- zatsiia tekhnologicheskikh protsessov proizvodstva bezalkogol'nykh napitkov. Moskva, Plishchevaya promyshl., 1967. 170 p.

- RUSSIA (U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Instruction 145-84 on checking indicator-type inside calipers with division value 0.01 mm] Instruktalia 145-84 po poverke indikatorsnykh nulomerov s isenoi deleniia 0,01 mm. Izd. ofitsial'noe Moskva, Izd-vo Standartov, 1966 11 p.
- RUSSIA (U.S.S.R.) Ministerstvo energetiki i elektrosnabzheniya. [Safety regulations for operating electrical systems of power plants and substations] Pravila tekhniki bezopasnosti pri ekspluatatsii elektrostano-vo-k stantsii i podstantsii. Izd. 16, stereotipnoe. Moskva, Energiia, 1966. 94 p.
- [SCREEDS OF I.M. LITVINOV'S SYSTEM FOR MEASURING FRACTURES IN STRUCTURAL ELEMENTS, report] Malaki sistemy I.M. Litvinova dlia izmereniia i ishesha v strotel'nykh konstruktstakh; nauchnoe soobshchenie. Kiev, Izd-vo Akad. arkh. i Ukrainskoi SSR, 1954. 8 p.
- SHALMAN, D.A. [Snowplows] Snegochistiteli. Leningrad, Mashinostroenie, 1967. 189 p.
- SHCHAVELEV, D.S., ed. [Buildings of hydroelectric systems, design and construction] Zdanlia gidroenergeticheskikh ustanovok, projektirovanie i raschet. [Leningrad] Energiia, 1967. 203 p.
- SHCHELOKOV, V.K. [Ice storehouses] Lednyie khiraniishche. Moskva, Nauka, 1967. 117 p.
- SHENDEROVICH, L.Z., and K.M. STOIANOVSKII [Manufacturing precision low-module hard-alloy hobbing cutters and cutting thread on tools and parts made of ceramic metals] Izgotovlenie presizionnykh melkomodul'nykh i vo dvasplynykh chervyachnykh frez i zare-zante i rez'by na instrumentakh i detalakh iz metallo-i mineralokeramiki. Leningrad, 1966. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya Progressivnye metody obrabotki materialov)
- SHESTOV, R.N. [Hydrocycloes] Gidrotsiklony. Leningrad, Mashinostroenie, 1967. 78 p.
- SHEVAKIN, R.F., R.V. GOLOVKIN, and E.M. KRICHEVSKII. [Improving the resistance welding of pipe] Sovarustivanie kontaknoi svarki trub. Moskva, Metallurgiya, 1967. 106 p.
- SHILIMOVICH, B.I. [Salt and frozen bearing production on ships in the Atlantic] Proizvodstvo solenoi i morozhnoi sel'dii na sudakh v Atlantike. Moskva, Pishchevaia promyshl., 1965. 71 p.
- SHILYGIN, V.V. [Graphic methods of design in the machinery industry] Graficheskie metody raschetov v mashinostroenii. Moskva, Mashinostroenie, 1967. 287 p.
- SHUSTOV, N.V., and S.S. PANCHEV. [Miner in development and permanent workings of mines] Prokhodchik podgotovitel'nykh i kapital'nykh vyrabotok na rudnikakh. Izd. 2., perer. i dop. Moskva, Nedra, 1967. 204 p.
- SIMPOZIIUM, POSVIASHCHENNYI AKADEMIKU S.S. SMIRNOVU. [Genetic types, formation conditions and regularities of distribution of tin and tungsten deposits in the northwestern part of the Pacific Ore Belt; materials] Geneticheskie tipy, uslovia obrazovaniia i zakonomernosti razmesheniia mostorozhdenii olova i vol'frama Severo-Zapadnogo sektora Tikhookeanskogo rudnogo polosa; materialy. Vladivostok, 1966. 112 p.
- SMIRNOV, G.M. [Assembly of metal elements of a boiler aggregate; shells, dust-gas-air tubes, and ash collectors] Montazh metallokonstruktsii kollektorev (karkasov, pyl'egazovozdukhoprovodov i zoloulovitelei). Moskva, Energiia, 1967. 255 p.
- SODOLEVSKII, A.G. [I am designing a superheterodyne receiver] Ia stroiu supergeterodin. Moskva, Energiia, 1967. 126 p. (Massovaya radiobiblioteka, no. 630)
- SOKOLOV, A.N., ed. [Mechanization and automatic control in metallurgy and foundry practice; from experience of the Leningrad industry] Mekhanizatsiia i avtomatizatsiia v metallurgicheskoi i litomoi proizvodstvakhi; iz opyta leningradskoi promyshlennosti. [Leningrad] Lenzdat, 1967. 225 p. diagrs. (insert)
- SOVESICHANIE SIBIRSKOI TEMATICHESKOEI KOMISSII PO STORNI UGLENAKOPLENIA NA TERRITORII SIBIRI, URALA I DAL'NEGO VOSTOKA, 2d. Novosibirsk, 1960. [Materials of the Second Conference of the Siberian Thematic Commission on the History of Coal Accumulation on the Territory of Siberia, the Urals, and the Far East] Materialy. Otv. red. I.N. Zvonarev. Novosibirsk, Izd-vo Sibirskogo otd-nia AN SSSR. No.2. 1962. 100 p.
- SPIVAKOV, I.A.I. [New methods for automatic control of electroplating processes] Nove metody avtomatizatsii rezhimov galvanopokrytii. Leningrad, 1966. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt. Seriya Uluchshenie kachestva, povyshenie nadezhnosti i dolgovechnosti mashin, priborov i drugikh promyshlennykh izdelii)
- [STANDARDS ENGINEERS SOCIETY OF THE UNITED STATES] Obshchestvo inzhenerov standartizatorov SSHA. Moskva, Izd-vo Standartov, 1966. 40 p.
- STEPANOV, V.V., ed. [Welder's handbook] Spravochnik svarshchika. Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1967. 430 p.
- [STUDYING REAGENTS AND REAGENT RESPONSE IN THE FLOTATION OF ORES] Issledovanie reagentov i reagentnykh rezhimov dlia flotatsii rud. Moskva, Nauka, 1967. 73 p.
- SUSHKEVICH, V.I. [Irregular linear waveguide systems; introduction to the analysis of linear super-high-frequency circuits] Neregulyarnye volnovodnye sistemy; vvedenie v analiz lineinykh tsepet sverkh-vysokikh chastot. Moskva, Sov. radio, 1967. 294 p. chart (insert)
- SVETS, V.E. [Production and use of economical sections in rolled products] Proizvodstvo i primenenie ekonomichnykh profilov prokata. Moskva, Metallurgiya, 1967. 156 p.
- TAUBER, B.A. [Grab mechanisms, theory, design, and construction] Grofieriye mekhanizmy, teoriia, raschet i konstruktstii. Izd. 2., dop. Moskva, Mashinostroenie, 1967. 423 p.
- [TEACHING MECHANICAL DRAWING IN PROFESSIONAL TECHNICAL SCHOOLS] Prepodavanie kursa "Tekhnicheskoe chertchenie" v professional'no-tekhnicheskikh uchilishchakh. Moskva, Vysshiaia shkola, 1965. 41 p. (3 Vsesoiuznaia pedagogicheskoe chleniia po professional'no-tekhnicheskoiu obrazovaniiu. Sektsiia propovadateloi chertcheniia)
- [MICROFILM]
- TIURIN, S.T., and others. [Use of synthetic materials in the wine making industry] Primenenie sinteticheskikh materialov v vinodel'cheskoi promyshlennosti. Moskva, Pishchevaia promyshl., 1966. 173 p.
- TRANSZHELDORIZDAT, VSESOIUNOIE IZDATEL'SKO-POLIGRAFICHESKOE OB'EDINENIE. [Textbooks, manuals, and lectures for correspondence students of institutions of higher learning of railroad engineering] Uchebniki, uchebnye posobia i teksti dlia zaochnikov vuzov zheleznodorozhnogo transporta. Moskva, 1960. 33 p.
- TROININ, M.F., and N.S. USHAKOV. [Electric trucks and electric loaders] Elektrokary i elektropogruzhchiki. 2. izd., dop. i perer. Leningrad, Mashinostroenie, 1967. 215 p.
- TSVETKOV, D.V. [Study of the interaction of crossing strip lines in flat matrices of high-speed memory systems] Issledovanie vzaimodeistviia poredka lishchikh-poloskovykh linii v ploshkhi matiitsakh vysyrodeistvoval'skikh ZU. Moskva, 1960. 31 p. (Elektronnye vychislitel'nye mashiny)
- [USE OF POLYESTER VARNISHES FOR THE FINISHING OF WOOD] Primenenie potletrnykh lakov dlia otdetki drevessiny. Riga, 1960. 12 p. (Derovobrabatnyval'shchala i bumazhnaia promyshlennost', no. 3)
- UZHIOV, V.N. [Purification of industrial gases by means of electrostatic precipitators] Oshistka promyshlennykh gazov elektrofili'trami. Izd. 2., perer. i dop. Moskva, Khimtia, 1967. 343 p.
- VASIL'EV, V.D. [Analyzing foreign patents in designing] Analiz inostrannykh patentov pri konstruirovanii. Leningrad, 1967. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Biblioteka patentoveda)
- VERBOVSKII, G.G. [Machine parts] Detail mashin. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1967. 334 p.
- VINBERG, G.G., and others. [Biological ponds used in sewage purification] Biologicheskie prudy v praktike oshistki stochnykh vod. Pod red. P.V. Ostapenka. Minsk, "Belarus", 1966. 230 p.
- VLADIMIROV, A.P., and E. IUBRAININA. [Unloading and heating rock products to be used in construction in the winter time] Vygruzka i podogrev nerudnykh stroitel'nykh materialov v zimnikh usloviakh. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1967. 155 p.
- VOTINSKAYA, S.E., and K.G. DUNTSOVA. [Dishe-pole] Bludna iz avininy. [Izd. 2., ispr. i dop.] Moskva, Ekonomika, 1966. 91 p. (Biblioteka pov)
- ["VOLGA" AUTOMOBILE AND ITS MODIFICATIONS sign and technical maintenance] Avtomobil "Volgo" ego modifikatsii; konstruktstia i tekhnicheskoe ob-vanie. Izd. 3., perer. [By] V.I. Bailev i dr. P. red. A.D. Prosvirina. Moskva, Mashinostroenie, 1967. 430 p.
- VSESOIUNNAIA NAUCHNO-TEKHICHESKAAI GEOFICHESKAAI KONFERENTSIIA, 5th, Novosibirsk, II [Methodology, technology, and results of geophysical prospecting, materials] Metodika, tekhnika i rezul'taty geofizicheskoi razvedki, materialy. Moskva, Ned, 1967. 505 p.
- ZAKHAROV, V.V. [Standardization of reinforced-concrete elements and structures, technical and econ-omical calculations] Standartizatsiia zhelezobetonnykh konstruktstii i sootuzhenii, tekhniko-ekonomicheskie raschety. Moskva, Izd-vo Standartov, 1966. 250 p.
- ZALIOPO, M.N. [Face soap, selection and use] Tivnoe mylo; vybor i primenenie. Moskva, Pishchev. promyshl., 1967. 76 p.
- ZHABIN, A.D. [Handbook on automobile driving] Po-bto po vozhdeniiu avtomobiloi. 2. izd., dop. i perer. Moskva, Vysshiaia shkola, 1967. 73 p.
- ZHEMOCHKINA, V.D., and M.M. MEKSHIS. [Table for calculating mean length of circular cylindrical prismatic shells bearing on their entire contour] i blitii dlia rascheta srednei dliny tsilindricheskikh kuzgovykh i prizmaticheskikh obolochek, opertykh i vsionu konturu. Moskva, Stroiizdat, 1967. 103 p.
- ZHERVE, G.K. [Design of an induction motor and re-winding operation] Raschet asinkhronnogo dvigatelya pri peremotke. Izd. 4. [Leningrad] Energiia, 1966. 146 p.
- ZHURAVLEV, G.I. [Earth dams] Zemlianye plotiny. Moskva, Kolos, 1966. 279 p.
- ZHURAVLEV, M.I. [Equipment for the production of binding materials] Oborudovanie zavodov viazushchikh materialov. Pod red. M.IA. Supoznikova. Moskva, Vysshiaia shkola, 1967. 263 p.
- ZUDKOVA, T.A., and T.N. SMIRNOVA. [Artistic knitting with needles] Khudozhestvennoe viazanie na spitsakh. Moskva, Legkaiia Industriia, 1965. 290 p.

17. MILITARY & NAVAL SCIENCES

- AGRAVANSKII, K.IU. [Radioelectronic methods for controlling land plants] Radiotekhnicheskie metody upravleniia morskimi ob'ektami. Leningrad, Sudostroenie, 1967. 366 p.
- AKIMOV, A.V. [Foreign military bases are a menace to peace] Inostrannye voennye bazy—ugroza miru. Moskva, Znanie, 1967. 30 p. (Novoe v zhizni, nauch. tekhnika, VII Sorlia; Mezhdunarodnaia, 8)
- ANUREEV, I.I., and A.E. TATARCHENKO. [Use of mathematical methods in military affairs] Primenenie matematicheskikh metodov v voennom dele. Moskva, Voenizdat, 1967. 242 p.
- AVERKIEV, V.P. [Ship radio navigation devices] Sud-nye radionavigatsionnye pribory. [Leningrad] Sudostroenie, 1966. 150 p.
- BREKII'OV, A.M. [Network schedule planning and management in shipbuilding; machine processing of information] Setevoye planirovanie i upravlenie v sudostre-nii; mashinnaia obrabotka informatsii. Leningrad, Sudostroenie, 1967. 362 p.
- EGOR'EVA, A.V. [Volga-Battle Sea Waterway] Volgo-Baltiskii vodnyi put'. Leningrad, 1960. 42 p.
- HOSHINO, YASUSABURO, and SHIGEO HAYASHI. [The true face of the Japanese Army. Translated from the Japanese] Istinnoe lico japonskoi armii. Moskva, Voenizdat, 1965. 182 p. (CaOTU)
- KIRILLOV, B.N., and M.D. SHERSTNEV. [Studies on tactical training in a sand box] Zaniatia po takicheskoi podgotovke na ischichke s peskom. Moskva, Voenizdat, 1967. 77 p.
- KUZ'MIN, R.V. [Detection of defects in ship mecha-nisms] Defektatsiia sudovykh mekhanizmov. Moskva, Transport, 1967. 173 p.

LEVIN, G. A. [Artillery Historical Museum of Artillery] Kratkiy spetsveditel' 4, izd. Pod red. A. A. Hunakov. Leningrad, 1964. 229 p. (ok)

PIKUL, V. I. [Safety on the tanker] Bezopasnost' na tankere. Moskva, Transport, 1967. 207 p.

PRONICHENKO, A. P., and others. [Manual for watch officers] Spravochnik vakhennogo ofitsera. Pod red. A. P. Pronichkina. Moskva, Voenizdat, 1967. 501 p.

RUSSIA (U. S. S. R.) Ministerstvo oborony. [Disciplinary regulations of the Armed Forces of the U. S. S. R.] Disziplinarnyy ustav Vooruzhennykh Sil SSSR. Moskva, Voenizdat, 1967. 17 p.

TUPCHENKO, I. P., and I. N. KALMYKOV. [Do not forget it] Ne zabyvay ob etom. [Rostov-na Donu] Rostovskoe knizhnoe izd-vo, 1964. 51 p. (Naradnye chteniya) (CS-H)

VLASOV, P. V., and I. G. SHNEIDER. [Handbook for the commander of a launch (captain of a small vessel)] Spravochnik starshiny katara (kapitana malogo sudna). Moskva, Voenizdat, 1967. 336 p.

VYSOTSKIY, S. I., L. G. GAL'PEROVK'II, and V. GRINGLAZ. [Design of the fuel injection system for marine diesel] Proektirovaniye sistem vvedeniya topliva v marine diesel. Leningrad, Sudostroitel'skiy fakul'tet, 1967. 283 p.

ZAITSEV, N. A., and A. I. MASIKALIK. [Design of the fuel injection system for marine diesel] Otechestvennyye sukhie na plovniye sudna. Leningrad, Sudostroitel'skiy fakul'tet, 1967. 300 p.

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

I. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIA NAUK ARMJANSKOI SSR, Eriyan. Vestnik obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Review of Social Sciences]. Eriyan, no. 10(201), Oct. 1966.

Table of contents translated.

- Mikrtchian, A. P. - Struggle of the Eriyan County organization of the Communist Party (Bolshevik) of Armenia for the party policy, 1926-1929. p. 3.
 Ohanov, A. A. - Some problems of aesthetics. p. 20.
 Arslanbekian, A. V. - Civic motifs in S. Kaputikian's works, 1855-1905. p. 30.
 Akopjan, G. G. - The problem of the origin and sources of Akhtamar miniature painting. p. 42.
 Chobanian, S. S. - Pages from Vagan Mikatlian's life. p. 51.
 Martirosian, A. A. - Armenian schools in Iran. p. 65.
 Oganesian, N. O. - The Anglo-Iraqi war in 1941 and its evaluation in bourgeois historiography. p. 77.
 Arutunian, S. V. - Amber in the 10th-11th centuries. p. 88.
 The confusion in Armenian economic terms cannot be eliminated. p. 96.
 In social science periodicals. p. 113.

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis. Soobshchenia [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Reports]. Tiflis, vol. 45, no. 2, Feb. 1967.

Table of contents translated.

- Mikheleze, Sh. E. - New numerical method for solving ordinary differential equations. p. 289.
 Sunkidze, Dzh. G. - Accurate estimates of the approximation of quadratic formulae in the integration of infinite functions. p. 297.
 Kokilashvili, V. M. - Approximation of functions by mean values of Walsh - Fourier series. p. 305.
 Narutselaki, M. Z. - Effect of concentrated forces on an infinite plate with three circular holes. p. 311.
 Monmargia, S. V. - Simulation of an arbitrary draining channel at finite depth of a water-bearing layer. p. 319.
 Beblashvili, Sh. I., Nantchelashvili, O. M. - Control tests of standard elements under rigorous conditions. p. 325.
 Berezevskii, V. R., and others - Suppression of some modes in ruby laser emission. p. 333.
 Gol'shtein, G. A., and others - Observation of periodic variations of types of oscillations in an He-Ne laser. p. 337.
 Dzhibuti, R. I. - Photonic reactions on a Li^0 nucleus involving the yield of complex particles. p. 342.
 Nakashidze, G. A., and others - Electroluminescence spectra of gallium-phosphide diodes. p. 349.
 Khvalidze, I. D. - Temperature dependence of the photo- α -m.f. in an oxide-coated barium-strontium film. p. 355.
 Gabarashvili, T. G. - Effect of an electric charge on the growth of an ice crystal. p. 359.
 Chantlashvili, L. S. - Stabilization of a direct electric current and the frequency dependence of the conductivity of a medium. p. 365.
 Tsislavshili, G. V., Shukritshvili, M. S. - Adsorption-structural properties of askaniy modified by various nitrogen-containing organic compounds. p. 371.
 Gogorishvili, P. V., and others - An arsenic preparation. p. 379.
 Chachavadze, G. D., Varazashvili, V. S., Lezhava, N. G. - Preparation and thermographic study of nickel and cobalt monoferrites. p. 383.
 Zedekashvili, E. N., Shanshashvili, M. I. - Radiation-chemical transformations of α -mellonaphthalene and naphthalene. p. 391.
 Khizanashvili, I. G., Goprindashvili, G. G. - Porcelain-felence wares from perillite-containing materials. p. 397.
 Chikvadze, V. N. - Oxidation of gamma-aminobutyric acid by brain mitochondria. p. 403.
 Karlozila, TS. I. - Blood serum protein fractions, haemoglobin types and hemoglobin fractions in various forms of children's jaundice. p. 407.
 Shantkashvili, G. G. - Oxidative metabolism of aspartic acid in brain sections and mitochondria. p. 415.

- Dzhadzhidze, D. P., Khatiskatsi, G. N., Chichua, G. K. - Paleogeography of upper part of Fort and Alzani interfluvium in Upper Pliocene and Post-Pliocene. p. 421.
 Kekelidze, M. A., Balashov, I. U. A. - Factors of differentiation of rare earth elements in Zekari gabbro-diorite intrusion and enclosing andesite-basalt formation. p. 427.
 Dumbadze, G. D. - Age of Sanchar intrusion. p. 435.
 Badzoshvili, TS. I. - Study of Maedite Ceratitidae. p. 439.
 Manasakhilov, G. I. - Determining the necessary number of receiving and departure tracks of railroad stations. p. 447.
 Pliskhalashvili, V. A., Nabelshvili, M. A. - Structure and certain properties of austenitic chromium-manganese steels with addition alloys of nickel, molybdenum and niobium. p. 455.
 Tavkhelidze, D. S., Dzhalava, G. A. - Selecting some dimensions of bars of a three-dimensional four-bar linkage. p. 463.
 Kudzharov, M. V. - Methods for forming a code in converters operating in a spatial coding mode without physical representation of the code. p. 469.
 Margallidze, N. A. - History of Dabadzev Plateau forests in Holocene based on spore-pollen analysis. p. 475.
 Gavakelashvili, A. G. - Some results of initial testing of new grape stock on Khirskiy State Farm. p. 483.
 Mshvelobadze, L. V. - Toxicity of Vericillium album R. et B. fungus isolated from apricot. p. 491.
 Sanebidze, O. I., Nadareishvili, K. Sh., Shafir, I. U. A. - Radiation changes of bioelectrical and mechanical phenomena in skeletal muscles of a frog. p. 499.
 Chitroelidze, G. V. - Effect of some hypothalamus nuclei on corticosterone content in venous blood of irradiated rat adrenal glands. p. 507.
 Toladze, D. G. - Histochemical characteristics of uterine adenocarcinoma. p. 513.
 Isorava, V. O. - Role of myoepithelial cells in histogenesis of so-called mixed salivary gland tumors. p. 519.
 Kvilashvili, G. V., and others - Study of microelement metabolism in infectious hepatitis by neutron activation method. p. 525.
 Zhgenti, N. I. - Use of 5% alcohol-novocaine solution in maxillary-facial region. p. 531.
 Gambashidze, L. S. - Treatment of tuberculous gonitis. p. 537.
 Gudava, T. E. - Accent on verb of Avaric language. p. 541.
 Bokhachidze, A. V. - Localization of the capital of Kolchida Kingdom in 4th and 3d centuries BC. p. 547.
 Tsinatidze, M. V. - History of economic and cultural relations between Georgia and Adjara Autonomous Province. p. 553.

AKADEMIA NAUK MOLDAVSKOI SSR, Izvestia. [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin]. Kishinev, no. 4, 1966.

Table of contents translated.

- Belousov, V. D., Floria, I. A. - Quasi-groups with reducibility characteristic. p. 3.
 Budiani, M. S. - Solution of some classes of Wiener - Hopf equations with operator coefficients. p. 18.
 Golan, I. M. - Balzer's radical of nearings. p. 32.
 Novoselskii, I. A. - Linear operators in a space with two topologies. p. 39.
 Sibirskii, K. S. - Parity of functions of two variables. p. 47.
 Berman, N. R. - On a Stefan-type problem. p. 55.
 Brodskii, A. M. - Integrals over an orthoprojector chain. p. 59.
 Gamelskii, A. F., Baltag, I. A. - On a problem of S. L. Sobolev. p. 65.
 Gol'tenshteyn, L. S. - One-sided reducibility of some elements of normalized rings. p. 68.
 A method for translating arithmetical expressions in the ALGOL-60 language. p. 74.
 Eni, V. M. - Stability of the radial number of a bundle of operators. p. 78.
 Paraska, V. I. - Theorem on closed operators in a two-normed space. p. 82.
 Sigal, E. I. - Diagonal elements in matrix spectra. p. 85.
 Solan, P. S. - Relationships between problems of covering and illumination of convex bodies. p. 91.
 Fel'dman, I. A. - Some observations on the convergence of the method of successive approximations. p. 94.

- Cheban, V. G., Chugayevskii, I. U. V. - Free oscilla of a column of Newtonian liquid in a tube sealed with membranes. p. 97.
 Chebotaru, I. S. - Approximate solution of Wiener - Hopf equations in some spaces. p. 101.
 Shil'krut, D. I. - A method for the approximate solution of Volterra-type integral equations. p. 107.
 Shchetnikov, B. A. - Stability of the trivial solution of a differential equation in Banach space. p. 11

AKADEMIA NAUK SSSR, Sibirskoe otdelenie. Izvestia [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Bulletin]. Novosibirsk, no. 1(121), Jan. 1967. Soobshchestvennykh nauk [Series in the Social Sciences], no. 1.

Table of contents translated.

- Dybenko, N. K. - The economic reform and tasks party organizations. p. 3.
 Kalinovskii, N. P. - Problems in the interregional regulation of workers' and employees' real wages in the new five-year plan. p. 10.
 Efremov, L. A. - Some problems of developing production funds, as exemplified by Western Siberia. p. 16.
 Cherenin, V. P. - Main paths of developing the light materials industry of Western Siberia. p. 27.
 Grammatkova, L. L., Komarova, V. N. - Role of Eastern Siberia in developing the raw materials base of chemical industry. p. 28.
 Karchenink, V. D., Gorbanov, V. A. - Increasing role of West Siberian waterways in providing national economy with transportation service. p. 31.
 Kuchukhin, I. A. - Planning for the modernization of the functioning equipment in industry. p. 40.
 Bybin, F. F., Mitroslavskii, B. N. - Economic efficiency of the new technological processes for the treatment of hard-to-treat gold-bearing concentrates in the place of mining. p. 49.
 Demidov, I. L., and others - On Kuznetsk metallurgy changing over to the five-day workweek. p. 52.
 Voronkov, I. M. - Causes of the mobility of the labor force in the enterprises of the Maklakov-Yentel' lumbering complex. p. 59.
 Musalov, I. M. - Problems of using the labor resources and repopulating the population in large cities, as exemplified by Novosibirsk. p. 60.
 Borisov, D. L. - From the history of the building societies in Siberia. p. 73.
 Gushchik, N. I. A. - From the history of the class struggle in the Siberian villages, 1926-1929. p. 80.
 Radchenko, L. S. - Social composition of Siberian municipal government in the 1840's-1880's. p. 89.
 Luchkov, V. E., Grigor'enko, B. G. - Discoveries of the Paleolithic in Korea (the Kulp'o culture). p. 91.
 Mahmogashvili, V. E. - On the study of the heroism of the Khakasians. p. 105.
 Baturin, F. A. - Creating conditions for drawing workers into public work. p. 134.
 Sycheva, E. S. - Quantitative methods in sociology. p. 136.
 Eliseev, V. A. - Conference on developing the price five for a cent. p. 138.
- AKADEMIA NAUK TADZHIKSKOI SSR, Dushanbe. Otkrytie obshchestvennykh nauk. Izvestia [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Social Sciences. Bulletin]. Dushanbe, no. 3(45), 1966.
- Table of contents translated:
- Belinkov, G. E. - From the history of strengthening the Tajik soviets according to the constitution of U.S.S.R. of 1936. p. 3.
 Abutkhanov, R. - Struggle for the Soviet regime in the upper reaches of the Zeravshan Valley, fall 1918 - spring 1919. p. 10.
 Masov, R. - Heterogeneity of the solution of the agrarian problem in Tajikistan on the eve of the mass collective farm movement. p. 19.
 Navruzov, G. - The problem of the role of the land water commissions in realizing the agrarian policy of the Soviet regime in the Tajik A.S.S.R., 1921-1929. p. 20.
 Rakhimov, R. K. - Tendencies in changing the relationship of the value of capital assets to the value of production. p. 34.
 Usmanov, A. S. - Irrational transportation of mineral fertilizers on railroads of Central Asia and find optimal ways for their transportation. p. 45.
 Dzhabbarov, A. - Possibilities for increasing the use of equipment in the silk winding industry in Central Asia. p. 52.

- Nakkash, Kh. I. - Fore-runners of the poetic renaissance in Iraq. p. 59.
- Khromov, A. L. - General linguistic characteristics of the toponymy and microtoponymy of the Yagnob Valley. p. 83.
- Shagalov, E. - 60th birthday of Z. Sh. Radzhabov. p. 90.
- Shagalov, E. - A new museum in Tajikistan. p. 92.
- BIULLETEN MEZH DUNARODNYKH NAUCHNYKH S'VEZDOV, KONFERENTSIY I KONGRESSOV (BULLETIN OF INTERNATIONAL SCIENTIFIC MEETINGS, CONFERENCES, AND CONGRESSES).** Issued by Otdel mezhdunarodnykh svyazov i informatsii Vsesoyuznogo instituta nauchnoi i tekhnicheskoi informatsii Akademii nauk SSSR [Department of International Relations and Information of the All-Union Institute of Scientific and Technical Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4(77), 1967.
- GORKIY, GOSUDARSTVENNIY PEDAGOGICHESKIY INSTITUT, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies].** No. 57, 1966.
- Table of contents translated.
- Tikhonova, Z. E. - Microflora of pine rhizosphere in abandoned peat bogs. p. 3.
- Lesnov, P. A. - Some analyses of soils in abandoned Chistoye Peat Bog of the Balakhna Lowland. p. 7.
- Bulavskain, E. S. - Effect of soil cultivation on fungous flora development. p. 19.
- Avetklev, V. D., Salina, Z. V. - Fertilizer mosses of the subclass Bryidae in the Biological Station area of the Gorky State Teachers College. p. 26.
- Lapshin, M. M. - Taxonomy and geography of grass family in Gorky Province (XI-XV). p. 38.
- Il'iashevich, I. N. - Effective method of growing seedlings in nurseries. p. 70.
- Aristov, V. N. - Methods of organizing experiments on school soils. p. 72.
- Mallutin, K. G., Mallutina, E. T. - European spruce outside of its habitat. p. 83.
- Kindlakova, M. D. - Growth dynamics in shoots, leaves and roots of larch in an annual cycle. p. 90.
- Kindlakova, M. D. - Age-related periods in life cycle of larch. p. 105.
- Famin, L. V. - Water-storing capacity of leaves in relation to structural characteristics of leaf mesophyll. p. 110.
- Borisev, V. I. - Volume of fir trees in relation to forest density and age. p. 114.
- IRKUTSK, GOSUDARSTVENNIY PEDAGOGICHESKIY INSTITUT, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies].** No. 20, 1964.
- Table of contents translated:
- Tsepuril, V. I. A. - Generalization and propagation of advanced experience in teaching mathematics at schools of Irkutsk Province during 1958-1963. p. 3.
- Nefed'ev, A. A. - Methodology for independent composition of arithmetical and algebraic problems. p. 24.
- Lisutskiy, G. G. - Mutual relationship between the teaching of physics and mathematics in the eight-year school. p. 51.
- Nefed'ev, A. A. - Use of slides in sixth grade geometry classes. p. 69.
- Nefed'ev, A. A. - Harmonic vibrations and their graphical representation in secondary school. p. 76.
- Kuznetsov, B. I. - Results of the work of the Section of mathematics teachers at the Irkutsk Provincial Scientific and Practical Conference of Teachers and Leading Pedagogues. p. 80.
- Pudalov, I. G. - Laboratory studies in mathematics. p. 88.
- Stepanov, I. D. - Some proofs of theorems on addition in trigonometry. p. 107.
- Shafar, I. A. - Mechanical drawing and designing in school. p. 116.
- Staritsky, V. A. - Instruction in mechanical drawing. p. 121.
- Tatarinova, A. A. - Industrial training for teachers of mechanical drawing to be. p. 131.
- Tashkinova, N. A. - Visual surveying in school. p. 135.
- Kotov, N. P. - Correspondence between Euler and Goldbach on problems in number theory. p. 150.
- Vasil'ev, V. V. - Third Fredholm theorem for a class of linear integrodifferential equations. p. 170.
- Bel'tukov, B. A. - Use of Bateman's method in the approximate solution of Fredholm integral equations. p. 177.
- Kotov, N. P. - Note on Euler's studies on Diophantine analysis. p. 185.
- Bel'tukov, B. A. - Solution of integral equations by expansion in series over the parameter λ . p. 195.
- Golovachik, P. I. - Continuity of the solutions to a certain class of systems of nonlinear integrodifferential equations. p. 198.
- Vasil'eva, N. K. - A method for solving equations of higher degrees. p. 203.
- Nazarenko, T. I. - Numerical solution of the Cauchy problem for a class of linear integrodifferential equations of the Volterra type. p. 209.
- Platonov, M. L. - Numbers of combinatorial structures. p. 215.
- Bel'tukov, B. A. - Estimate of the difference between the solutions to two Fredholm integral equations. p. 220.
- Molchan, O. F. - Inversion of a straight line relative to an arbitrary conic section. p. 225.
- Kharkevich, I. U. F. - Solution of the Cauchy problem for linear integrodifferential equations by the method of successive approximations. p. 233.
- Molchan, O. F. - Inversion of a circle relative to an arbitrary conic section. p. 235.
- Khlazev, A. A. - Bivectorial curvatures and four-dimensional Riemann spaces. p. 244.
- Platonov, M. L. - Recursion relations for numerators and denominators of convergents of continued fractions. p. 250.
- Fokhtstova, M. F. - Solution of linear integrodifferential equations with degenerate kernels. p. 254.
- Rivkind, M. I. A. - Algorithms of synthetic proofs in axiomatics. p. 257.
- Khlazev, A. A. - Tensor of curvature of four-dimensional Riemann spaces. p. 264.
- Golovachik, P. I. - Algebraic continuity of the solutions to a class of systems of nonlinear integrodifferential equations. p. 274.
- Rutits, V. R. - A class of parabolic congruences in Euclidean space. p. 279.
- Rivkind, M. I. A. - Diagram of axiomatic systems. p. 284.
- Sheherbakova, A. E., Driukhanov, V. N. - Use of mathematical methods in normalizing electric power consumption. p. 284.
- Takalshvili, K. G. - Solution of the Cauchy problem for a class of linear partial integrodifferential equations of the first order. p. 300.
- KAZAN, UNIVERSITET, Uchenye zapiski [UNIVERSITY, Studies].** Vol. 124, no. 10, 1965. Trudy Obshchestva estestvoispytatelei pri Kazanskom gosudarstvennom universitete imeni V. I. Ul'yanova-Lenina [Transactions of the Naturalists' Society of Kazan State University]. vol. 67.
- Table of contents translated.
- Malysheva, O. N. - Pliocene sediments in Kazan region. p. 3.
- Sementovskiy, I. U. V. - Methodology of composition of lithofacies maps. p. 7.
- Tikhvinskii, I. N. - Karst and eluvial-talus formations in Lower Permian sediments of northwestern Tataria. p. 17.
- Mal'kovskii, F. B. - Carboniferous and Permian formations of eastern Tataria. p. 23.
- Kuznetsov, A. V. - Mineralogical characteristics of argillites of Lower Carboniferous terrigenous formation in northeast Tataria and south of Udmurtia. p. 32.
- Vinokurov, V. M., Gorbachev, B. F., Ellern, S. S. - Celestine from Tournai sediments of northeastern Tataria and geological and geochemical conditions of its formation. p. 43.
- Murav'ev, I. S. - Carboniferous sediments of Podcherebnyukh region (western slope of Pechora portion of Ural). p. 48.
- Iudin, V. S., Buov, D. V. - Outcrop of igneous rocks in boundaries of Timalz uplift. p. 69.
- Aver'yanov, V. I., Shevtsov, S. I. - Present state of studies and complexes of ostracoda fauna from Devonian sediments in central part of Volga-Kama region. p. 72.
- Khalynbadzha, V. G. - Division of Upper Devonian sediments of borehole Torfostroy No. 4 in Udmurtia based on conodonts. p. 84.
- Kuznetsov, I. U. I. - Paleotectonic analysis of Pichkassko-Bugrovsk area by method of isopachous triangle. p. 89.
- Starkevich, E. F. - First observations on level of underground waters in Russia. p. 98.
- Popov, P. A., Aukhadova, L. L. - History and stratigraphy of terms of genus *Gelchonia* in portion of Yenisey Valley of West Siberian Plain. p. 102.
- Troitskaya, A. A. - Ecological analysis of helminth fauna of wild marten. p. 124.
- Tikhvinskaya, M. V. - Breeding of water voles (*Arvicola terrestris* L.) in Volga-Kama region. p. 152.
- Laynov, N. A., Poytir'eva, N. A. - Outlines of Planaria of Lake Balkal. p. 189.
- Bogomolov, S. I. - Observations on Turbellaria in Kundalinskaya Bay of White Sea. p. 208.
- Vol. 125, no. 8, 1965 [cover 1966]. Verolnostnye metody i kibernetika [Probability methods in cybernetics], vol. 4.**
- Table of contents translated:
- Volodin, I. N. - Verification of statistical hypotheses on type of distribution according to small samples. p. 3.
- Bukharayev, R. G. - Machine transformation of probability sequences. p. 24.
- Golovinkov, I. U. V. - Class of transformations of p^2 into itself, realized by formulas. p. 34.
- Rytvinskaya, M. S. - Simulation of a teaching system related to a creativity process. p. 45.
- Kochkarev, B. S. - Evaluation of the complexity of formulas for monotonic functions in algebra of logic in a class of disjunctive normal forms. p. 49.
- Sokolov, O. B., Enikuev, I. I. - New approach to the decoding of Reed-Miller codes. p. 58.
- Zabotin, I. A. I. - Adequate condition of existence and singularity of solution of a principal functional equation in dynamic programming. p. 67.
- Zabotin, I. A. I. - Some formulations of a problem of efficient development of industrial materials. p. 72.
- Ibragimov, T. I. - Some statistical data on membership in the Tatar language. p. 74.
- Grigor'eva, O. V. - Method for determining dispersion in the Monte-Carlo method. p. 79.
- Grigor'eva, O. V. - Monte-Carlo method for an elliptical-type boundary value problem. p. 82.
- Sul'din, A. V. - Cubic formulas based on the explicit theorem. p. 85.
- Sherstnev, A. N. - Inequality of a triangle for random metric spaces. p. 90.
- Ladokhin, V. I. - Generalization on some theorems of the theory of probability for a class of complex distributions. p. 94.
- Begovatov, E. A. - Representation of the solution of a class of nonlinear operational equations. p. 101.
- Grigor'ev, S. V. - Explicit extrapolation formulas for some probability processes. p. 104.
- Bukharayev, R. G. - Two corrections on the article "Some equivalences in the theory of probability automata." p. 110.
- KHARKOV, UNIVERSITET, Uchenye zapiski [UNIVERSITY, Studies].** Vol. 131, 1962. Trudy nauchnoissledovatel'skogo instituta biologii i biologicheskoy fakul'teta [Papers of Scientific Research Institute of Biology and Biology Department], vol. 53/51. Priblizennoye fizicheskoye i biologicheskoye.
- Table of contents translated:
- Nikitin, V. N. - Academician Ivan Nikolavich Nikitin: an obituary. p. 5.
- Bulankin, I. N., Parina, E. V., Golovko, N. F. - Age-related changes in protein synthesis. Report No. 1. Protein synthesis in liver sections of different aged animals. p. 21.
- Parina, E. V., Bezuglaja, L. I., Mnuukhin, E. A. - Age-related changes in protein synthesis. Report No. 2. Protein and nucleic acid metabolism in different aged animals following metabolic changes in one kidney. p. 27.
- Kornenko, V. M. - Comparative study of some properties in young and old animals. p. 33.
- Utevskaia, L. A. - Effect of temporary and permanent denaturation of globular proteins. p. 36.
- Shumenko, I. D. - Changes in dicarboxylic acids in nucleoproteins of the liver of animals of different age. p. 44.
- Nikitin, V. N., Shereshevskaia, T. S. M. - Age-related changes in renoulation rate of phosphorus fractions in muscular tissues of white rats. p. 46.
- Sazonova, E. A. - Age-related changes in metabolic oxidation by liver and diaphragm tissues in white rats. p. 50.
- Nikitin, V. N., Pavlin, N., Murnova, L. A. - Effect of adenosine triphosphate acid and vitamin B₁₂ on albumin content in white rat urine. p. 59.
- Nikitin, V. N., Puzakova, L. S. - Age-related changes in reactivity and regenerative ability of hepatocytes as affected by phenylhydrazine. p. 66.
- Dio, L. N. - Adrenocortical hormone levels in hypophyses of rats of different age. p. 75.
- Blok, L. N. - Reaction of adrenal cortex of rats of different age to adrenocortical hormone in vitro. p. 80.
- Nikitin, V. N., Golubitskaya, R. I. - Age-related characteristics of the effect of cortisone on protein spectrum of blood serum and on weight of some organs in white rats. p. 85.
- Nikitin, V. N., Moroz, I. U. A., Galavina, O. I. - Effect of cortisone on liver protein fractions. p. 90.
- Shereshevskaia, T. S. M. - Effect of cortisone on synthesis and qualitative composition of nucleic acids, phospholipids and phosphoproteins in liver tissues of animals of different ages. p. 95.
- Nikitin, V. N., Diuk, E. A. - Age-related characteristics of the effect of adrenalectomy on albumin globulin coefficient of blood serum and the body weight of white rats. p. 105.
- Nikitin, V. N., Shereshevskaia, T. S. M. - Age-related characteristics of the nucleotide composition of RNA and DNA in rat liver. p. 110.
- Nikitin, V. N., Klimenko, A. I. - Effect of hypophysectomy on metabolism in white rats of different ages. p. 115.
- Nikitin, V. N., Klimenko, A. I. - Effect of insulin on metabolism of hypophysectomized rats of different ages. p. 126.
- Nikitin, V. N., Slantiskaya, G. A. - Changes in liver cell size as affected by growth hormone in animals of different ages. p. 135.
- Nikitin, V. N., Ivanenko, T. V. - Age-related changes in phosphagen content in normal muscles and following injection of thyrotropic hormone. p. 141.
- Slavitskaya, L. I. - Growth inhibiting nutrition and its effect on age-related changes in the organism. Report No. 5: Functional condition of the thyroid gland of white rats of different ages kept for a long time on growth inhibiting nutrition. p. 147.
- Nikitin, V. N., Galavina, O. I. - Growth inhibiting nutrition and its effect on age-related changes in the organism. Report No. 6: Effect of growth inhibiting nutrition on blood serum proteins of white rats. p. 160.

- Karev V. A. - Antigenic characteristics of tissues in old animals. p. 166.
- Nikitin, V. N., Sodin, I. F., Chernala, I. K. - Age-related changes in sorption properties of white rat tissues. p. 170.
- Arshavskii, I. A. - Analysis of the physiological significance of inhibition process, occurring in ontogeny, for the organism. p. 181.
- Novikova, A. I. - Age-related changes in membrane potential of transversostriated muscle fibers. p. 196.
- Makhin'ko, V. I. - Materials on physiology of embryonic development in poultry. Report No. 8: Biochemical characteristics of developmental stages in duck embryo. p. 200.
- Makhin'ko, V. I., Blok, L. N. - Materials on physiology of embryonic development in poultry. Report No. 9: Nucleotide composition of RNA of some organs in duck embryology. p. 233.
- Nikitin, V. N. - Some basic factors of ontogeny. p. 243.
- Bulankin, I. N., Parina, E. V. - Ontogenetic evolution of proteins. p. 285.
- Parina, E. V. - Age-related changes in scleroproteins. p. 318.
- KURSK, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies], Vol. 23, 1968.**
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA Vesiti, Izeistita Akademii nauk Latvijas SSR [ACADEMY OF SCIENCES OF THE LATVIAN S. S. R. Bulletin], Riga, nos. 4(237)-5(238), 1937.**
- LENINORAD, UNIVERSITET, Uchenye zapiski [UNIVERSITY, Studies], No. 327, 1967, Seriya geograficheskikh nauk [Series in the Geographical Sciences], no. 19, Vegetative cover and environment.**
- Table of contents translated.
- Senaninova-Korchagina, M. V. - Geophilous nature of plants and its significance in the structure of plant community; integrity of the organism of higher plants. p. 7.
- Skarlygina-Ufimtseva, M. D. - Geological adaptation of plant communities in the western part of the Orsk-Kumak Watershed (southern Urals). p. 97.
- Kozlova, G. I. - Effect of ecological conditions on the distribution of meadow communities in the floodplain of the lower reaches of the Yug River and on their food value. p. 180.
- Bogdanovskaya-Glenef, I. D., Abramova, T. G. - Development of high bogs in the northwestern part of Leningrad Province as related to natural conditions. p. 212.
- LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Darbai Serija A. Tydy Akademii nauk Lietuvos SSR, Serija A [ACADEMY OF SCIENCES OF THE LITHUANIAN S. S. R. Transactions. Series A], Vilnius, no. 3(22), 1966.**
- LVOV, UNIVERSYTET, Visnyk, Seriya suspil'nykh nauk [UNIVERSITY, Review, Series in the Social Sciences], No. 2, 1966.**
- Table of contents translated:
- Shakhov, O. O. - Leninist principle of the collective guidance of the party in action. p. 5.
- Khil'chenko, E. I. A. - Efforts of the Communist Party to strengthen the international foundation of Soviet Ukrainian culture, 1956-1961. p. 11.
- Dzhuba, A. II. - Work experience of party organizations in studying the history of the CPSU in party schools, 1961-1965. p. 10.
- Makovi, H. M. - Consolidation of local party organizations in the rural areas of the Ukraine during the seven-year plan, 1959-1964. p. 23.
- Pashkova'ka, I. E. I. - Some problems concerning the efforts of local party organizations to strengthen and develop the institutions of higher education of the Ukrainian S. S. R., 1933-1937. p. 20.
- Lytvyn, T. H. - The development of interfactory socialist competition in the industrial enterprises of the city of Lvov and Lvov Province, 1959-1961. p. 35.
- Savynets', V. A. - History of the work of the Communist Party of the Western Ukraine in the Polish bourgeois army, 1929 to July 1938. p. 41.
- Buhalenko, P. T. - Premises for the origination of the movement for communist work. p. 47.
- Buhalenko, P. T. - Efforts of party organizations to promote efficiency suggestions and inventions. p. 53.
- Sydorchuk, M. T. - How the Ukrainian Bolsheviks used legal possibilities during the First World War, 1914 to February 1917. p. 59.
- Petrovskiy, M. I. - Resolution of the plenary session of the Central Committee of the CPSU in September 1965 on the role of objective economic laws. p. 67.
- Vatamaniuk, Z. II. - Changes in the expenditure of materials per production unit under the conditions of technological progress. p. 74.
- Iatsura, V. V. - The ways to speed up the turnover of working capital in the sphere of production. p. 81.
- Pavlyshenko, M. M. - Profit margin in the output of milk on the collective farms of Lvov Province. p. 88.
- Popovych, P. P. - Increasing the economic efficiency of collective dairy farming in Transcarpathia. p. 95.
- Paster, P. I. - Role of vocational and technical schools in the training of skilled workers. p. 101.
- Volos, S. O. - Some problems concerning the general development of the industrial centers of Transcarpathia. p. 107.
- Chubaty, V. L. - Ensuring the supply of fuel to rural regions is an important condition for overcoming socioeconomic differences between cities and villages. p. 114.
- Kostenko, V. H. - V. I. Lenin on relationship between the practical work of the party and the psychology of the masses. p. 121.
- Lakushev, V. M. - How agitation and propaganda affect the formation of and changes in social psychology. p. 126.
- Hofman, M. I. - Some remarks about the characteristics of communist labor. p. 132.
- Koznychyn, N. M. - Some signs of the modernization of religious ideology. p. 137.
- Vetemeleva, O. P. - Relationship between revolutionary and democratic ideology and Marxism. p. 144.
- Starchenko, T. I. A. - Methodological foundation of the problem of mutual relation between structure and function in biology. p. 150.
- Slasyshyn, V. M. - The nature of mathematical abstractions and their role in scientific knowledge. p. 156.
- Raspukhin, D. I. - How the building of communism in the U. S. S. R. has influenced the social progress of recently liberated countries. p. 164.
- Vernikov, M. M. - Some problems in the gnosiology of Tadeusz Kotarbiński. p. 174.
- MOSCOW, MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE, Studies], Vol. 248, 1968.**
- Table of contents translated:
- Vodovozov, N. V. - Images and themes from ancient Russian literature in the works of M. I. Lermontov. p. 3.
- Prokof'ev, N. I. - Symbolic and allegoric images in literature at the beginning of the 17th century. p. 29.
- Kamytsaeva, O. A. - On the problem of N. G. Kurganov's "Conversations." p. 45.
- Klitov, S. M. - "Ballads" of K. F. Ryleev. p. 61.
- Ermolaeva, I. I. - The problem of the hero in Decembrist literature. p. 72.
- Galkin, K. B. - Mountaineers in the works of A. I. Polozhakov. p. 84.
- Maglona, R. G. - N. F. Shcherbina's "Songs of Nature." p. 101.
- Marchuk, A. P. - Appolon Grigor'ev about M. I. Lermontov. p. 119.
- Pirogov, G. P. - Composition of A. N. Ostrovskii's plays. p. 139.
- Bokeva, N. B. - Problem of the positive hero in N. G. Chernyshevskii's tale "My Justification." p. 231.
- Kozmin, V. F. - Problems of classification of the cycles of M. E. Saltykov-Shchedrin. p. 231.
- Daryshnikov, E. P. - Some features of the creative method of the "Intor" L. Tolstol. p. 257.
- Kozlov, M. V. - Characteristics of the genre in the lyrics of Nadson. p. 273.
- Zakharkin, A. F. - Siberia and Sakhalin in the works of A. P. Chekhov. p. 291.
- Rodionova, M. V. - "The Lady with the Dog," a story by A. P. Chekhov. p. 333.
- Spasibenko, A. P. - The post-reform village in the portrayal of S. Karolin. p. 359.
- Krupchanov, L. M. - N. A. Polevoi and N. I. Nadezhdin as predecessors of V. G. Bolshakii in literary criticism. p. 381.
- Kosholevskii, V. Z. - The language of the tale "Moloch" by A. I. Kuprin. p. 417.
- No. 267, 1968, Dielektricheskaya separatsiya tverdykh tel [Dielectric separation of solid bodies], pt. 4.**
- Table of contents translated:
- Volkova, Z. V. - Dielectric separation of solid bodies. p. 3.
- Ralkhenberg, T. S. - Separability of solid bodies in an electric field of conic electrodes. p. 21.
- Zhus', G. V. - Absolute immersion method for measuring the dielectric constants of small samples of powders. p. 29.
- Volkova, Z. V., Ralkhenberg, T. S. - Output of dielectric separators. p. 33.
- Lavrova, I. V. - Trajectories of solid particles ejected by an electric field. p. 40.
- Deglarova, L. A. - Use of laminated electrodes in dielectric separators. p. 44.
- Sagalova, R. V. - Motion of solid particles in variable electric fields. p. 50.
- Zammol', I. B. - Settling up physical laboratories at mathematical faculties to teach the fundamentals of computers. p. 53.
- NALCHIK, KABARDINO-BALKARSKII GOSUDARSTVENNYI UNIVERSITET, Uchenye zapiski [KABARDINO-BALKAR STATE UNIVERSITY, Studies], No. 13, 1961.**
- Table of contents translated:
- F. I. Frankl', obituary. p. 1.
- Aguzumtalan, M. A. - Ordinary meson-nucleon scattering. p. 3.
- Arkhanev, N. - Steady-state spherical solution of relativistic gas dynamics equations allowing for light emission and absorption, nuclear reactions, and gravitation. p. 9.
- Blizhevich, K. K. - Numerical solution of certain fundamental problems in the theory of algebraic fields of the n th order. p. 12.
- Gal'perin, M. E. - Relation between the summability of double series by the $(C, 1, 1)$ and $(R, 1, 1)$ methods. p. 13.
- Frankl', F. I., Gulman, L. N. - Equations of the steady motion of a cold air layer over broken terrain. p. 20.
- Degtiarev, V. S. - Industrial training in Nalchik schools. p. 22.
- Deizhak, A. P. - Drawing perspectives by the auxiliary projection method. p. 26.
- Dolov, M. A. - Thermoelectricity in glass with n -type conductivity. p. 31.
- Zhekanukhov, M. K. - Simulation of a rotating star based on a given density distribution. p. 34.
- Zhekanukhov, M. K. - Steady-state axially symmetric flows of cosmic gaseous masses. p. 38.
- Zadunkin, S. N. - Surface energy of transition metals. p. 41.
- Zadunkin, S. N., Tamblev, B. S. - Surface energy and heat of sublimation of rare earth metals. p. 46.
- Zamovskii, A. D. - Twilight obscuration during the solar eclipse of February 13, 1961. p. 50.
- Ignat'ev, R. P. - Some properties of finite groups in connection with the concepts of π composite block and separable divisors of the order of a group. p. 54.
- Kalazhokov, Kh. Kh. - Nonuniform motion of aerosol particles at small Re numbers. p. 55.
- Kutasev, I. M. - Integration of Heine's equation. p. 57.
- Lanin, I. N. - Approximate design of a subsonic flow past a given contour in the presence of a supersonic region ending in a curved shock wave. p. 59.
- Lanin, I. N. - Subsonic circulation flow past a contour in the presence of a supersonic region ending in a straight shock wave. p. 61.
- Lesev, V. D. - Effective proof of certain theorems in the theory of ideals. p. 64.
- Kim Mennam. - Applicability of S. A. Chaplygin's approximate integration method to quasi-linear partial hyperbolic differential equations of second order. p. 69.
- Nezls, E. I. - Simplified calculation of the trace of a symmetric positive matrix. p. 72.
- Nilov, G. N. - Number of cyclic fourth-order subgroups of a symmetric group. p. 75.
- Nilov, G. N. - Number of subgroups of simple order of a symmetric group. p. 77.
- Nikitin, A. K. - Waves on the surface of a viscous liquid. p. 78.
- Steslnev, P. A. - Batneology and some problems of the dynamics of two-phase flows. p. 80.
- Sulakvelidze, G. K. - Simulation of processes taking place in clouds. p. 86.
- Tarasenko, G. D. - Study of a space charge originating due to the motion of F centers in alkali halide crystals. p. 87.
- Tarasenko, G. D. - Oscillations in the electric fields of alkali halide crystals cause variations in the electric fields. p. 87.
- Tarasov, V. V. - Size on the range 10^{-10} to 10^{-12} cm. p. 87.
- Khokhlov, Kh. B. - Effect of the anharmonicity of atomic vibrations on the surface condensation of heat exchangers. p. 105.

- Savitskiy, P. G. - Completeness of a trigonometric system. p. 139.
- Savitskiy, M. G. - Some new theorems on classes of factors transforming Fourier series. Part I. p. 141.
- Savitskiy, M. G. - On factors of transformation of Fourier series of certain classes of functions. p. 147.
- Dzhordzhio, Ch. - Gas flows with a local supersonic zone ending in a straight shock wave. p. 150.
- Apfel, S. Zh., and others. - On the transverse component of the momentum of neutral strange particles. p. 155.
- Khmel'yan, M. G. - Capacity of a shift spillway of the 'Mugarka' type. p. 161.
- Kushova, G. I. - Production and practical use of gas ionization currents. p. 165.
- Arkharov, N. A. - Unsteady one-dimensional gas motion involving allowance for emission and absorption in the special theory of relativity. p. 172.
- SARANSK MORDOVSKIY GOSUDARSTVENNIY UNIVERSITET** Uchenye zapiski [MORDVIN STATE UNIVERSITY Studies]. Vol. 28, 1963.
- Table of contents translated.
- Tikhov, V. A. - Development of the Soviet Mordvin state and its history during the civil war and foreign intervention. p. 3.
- Svargaliev, M. G. - Victory of the February bourgeois-democratic revolution in Mordovia. p. 45.
- Filatov, L. G. - Railroad employees of Mordovia in December 1905. p. 92.
- Liagushchenko, I. I. - N. G. Chernyshevskiy on the Civil War in the U.S.A. p. 113.
- Noskov, M. A. - Karl Liebknecht in the U.S.A. p. 101.
- Kuznetsov, A. B. - Some aspects of the activity of Russian diplomats in Europe in the first quarter of the 16th century. p. 177.
- Mel'shin, N. F. - Surviving traces of the pre-Christian religion of Mordvins and how to overcome them. p. 194.
- no 38, 1961
- Contents [Chapters from the "Studies on the history of the Mordvin province organization of the CPSU"] Glavy iz "Ocherkov istorii Mordovskoi oblasti ot organizatsii KPSS" p. 206 p.
- TARTU ULIKOOL** Toimetised Uchenye zapiski [Tartu kooli gosudarstvennogo universiteta] [UNIVERSITY Studies]. No 187, 1966. Trudy po filosofii [Works in philosophy], vol. 10.
- TASHKENT. UNIVERSITET.** Nauchnye trudy [UNIVERSITY Studies]. No 270, 1966. Fizika atmosfery i aviatatsionnaya meteorologiya [Physics of atmosphere and aviation meteorology].
- Table of contents translated.
- Agzamov, A. - Cold waves over Turkmenia. p. 5.
- Burkova, M. V., Dzhordzhio, V. A. - Bibliography of the Department of Physics of the Atmosphere, and the Problem Laboratory of Jet Streams of the V. I. Lenin Tashkent State University on aviation meteorology for 1960-1964. p. 10.
- Burkova, M. V. - Some cases of extremely strong winds in jet streams over southern part of U.S.S.R. p. 17.
- Dzhordzhio, V. A., Petrosian, M. A., Romanov, N. N. - Aerosynoptic conditions for flights to Fedchenko Glacier in October 1957. p. 28.
- Dzhordzhio, V. A., Petrosian, M. A., Romanov, N. N. - Aerosynoptic conditions for flights to Fedchenko Glacier on September 30 and October 4, 1958. p. 37.
- Dzhordzhio, V. A., Romanov, N. N. - Analysis of causes for most intensive bumpiness of TU-104 airplane in flight from April 5 to 6, 1964 en route to Vnukovo-Tashkent. p. 44.
- Zhukova, S. V. - Geographical distribution of upper cyclones over southern part of U.S.S.R. p. 49.
- Melamed, M. N., Garisman, L. B. - Principles of overall consideration of meteorological factors in calculating mechanical loadings on line of electric power transmission. p. 54.
- Satdnazarova, K. - Statistics of complexes of jet streams over southern part of U.S.S.R. p. 67.
- Romanov, N. N., and others. - Aperiodic changes of pressure in high-mountain regions of Tien Shan. p. 72.
- Umi, Sh. Khasymova. - Climatic characteristics of storm zones over Central Asia. p. 78.
- Iarkova, V. M. - Fogs in Tolmachevo Airport region. p. 87.
- Dzhordzhio, V. A., and others. - Structure of wind field in jet stream on September 17, 1960 over Central Asia. p. 117.
- Uldasheva, M. - Statistical characteristics of jet streams over southern part of U.S.S.R. related to trough situations in winter period. p. 135.
- Medvedeva, I. F. - Winter precipitation in Tien Shan. p. 144.
- No. 273, 1966. Problemy geologii i poteznye iskopaemye [Problems of geology and minerals].
- Table of contents translated.
- Uklonskiy, A. S. - One of the basic problems of geochemistry is studying concentration of substance. p. 5.
- Vasilevskiy, B. F. - Geochemistry of some impurity elements in Permian hydrothermal ore manifestations in southwestern part of Gissar Range. p. 8.
- Enikeev, M. R. - Some characteristics of mineralogy and genesis of complex metal ores of Altyn-Tophan. p. 18.
- Vinnichenko-Uklonskaya, N. T. - Synthesis of some sulfates in connection with paragenesis of sulfur and oil. p. 26.
- Vinnichenko-Uklonskaya, N. T. - Aqueous sulfates, paragenetic with sulfur and petroleum. p. 30.
- Badalov, R. P. - Main supergene minerals of gold ore deposits and ore manifestations in Uzbekistan. p. 35.
- Vasilevskiy, B. F., Sultanov, M. S. - Rocks of gabbro formation in upper course of Chornova, Yangaklyk, and Gurud Rivers (southwestern spur of Gissar Range). p. 41.
- Shuvalov, V. B. - Mineral composition of greisens from upper part of Pskem basin (western Tien Shan). p. 52.
- Zubrilina, K. S. - Genesis of quartzites of Aktash deposit. p. 57.
- Abzalov, S. A. - Some geochemical characteristics of granulites of Ikhtakchik intrusive and rocks enclosing it. p. 63.
- Lashenko, G. K. - Petrochemical characteristics of quartz porphyries of Karatynbe Mountains. p. 72.
- Losev, N. A., Nagaev, A. V. - Some problems of mathematical statistics in geochemical studies. p. 79.
- Kapchenko, P. D. - Place of syenites in general scheme of development of igneous activity in southwestern spur of Gissar Range. p. 84.
- Belen'kiy, G. A. - Stratigraphy of mixed continental and marine Cretaceous sediments in Tashkent region. p. 92.
- Slankovich, I. U. V. - Characteristics of lowermost strata of Tuleikan series. p. 113.
- Arapova, N. D., Suleimanov, I. S. - Foraminifera of Cretaceous sediments of western Uzbekistan and Kyrgyz Kum. p. 121.
- Nadyshin, R. I., Shvelsova, E. M. - Upper Turonian substage of northwestern Kyrgyz Kum. p. 128.
- Muzarova, R. I., Kurbanalazov, K. K. - Facies-paleogeographical characteristics of Early Cretaceous of northwestern part of Central Asia. p. 131.
- Shul'gin, D. F. - Using air injection in water well for quick determination of hydrogeological parameters of layer. p. 144.
- Borodin, R. V. - Evaluation of resources of ground waters according to data of their level regime in river valleys of mountain regions. p. 149.
- Borodin, R. V. - Determining calculated significance of water loss for large masses of water-bearing formations in river valleys. p. 159.
- No. 291, 1966. Pochvovedenie i biologiya [Soil science and biology].
- Table of contents translated.
- Aslanov, N. N. - Composition and properties of individual fractions of the mechanical composition of light Sierozem. p. 5.
- Szaklants, K. B. - Forms of phosphoric acid compounds in various soils of the Sierozem zone. p. 10.
- Bekturaev, U. - Agrochemical characteristics of soils and the effect of fertilizers on cotton yield on "Pakhta-Aral" State Farm. p. 28.
- Nasyrov, Kh. T. - Soil production capacity in initially reclaimed lands of the Kurshi Steppe. p. 43.
- Kamenir-Beyekov, G. A. - Takyr formation in ancient irrigation lands of the Murgab Delta. p. 50.
- Shatalina, A. S., Shehukina, M. I. A. - Changes in blood catalase in cows during hot summer of Uzbekistan. p. 68.
- Sattarov, D., Margulla, V. U. - Leaching time of saline meadow soils in southern part of the Golodnaya Steppe. p. 78.
- Aslankulova, A. T. - Study of diatoms under various drinking conditions. p. 86.
- Mavltanov, O. M. - Study of nematode fauna of the kenaf (*Hibiscus cannabinus* L.) and rhizosphere soil. p. 91.
- Poladov, G. R. - Study of nematode fauna of cotton shoots and rhizosphere soil infected with wilt. p. 97.
- Khakimov, N. Kh. - Vertical distribution of nematodes in virgin and cotton fields of the Golodnaya Steppe. p. 99.
- Akhmedova, F. G. - Powdery mildew in southwestern spur of Tien Shan. p. 105.
- Skokova, A. A. - Biology of flowering and cytobryology of sterile *Morus multiflora* variety. p. 111.
- Rustamova, D. - Some data on pollen biology, pollination, fertilization and development of soybean seeds in Tashkent region. p. 120.
- Kamitov, G. - Materials on biology of *Barbus capito conocephalus* Kessler in reservoirs of Zeravshan basin. p. 127.
- Kustayeva, L. A. - Spring zooplankton in Chirchik River. p. 135.
- Kashkarov, D. U. - Water bird hunting in Uzbekistan. p. 140.
- Dragimov, M. Kh. - Radial gradient of oxidation-reduction potential in succulent fruit and other fleshy plant organs. p. 144.
- Gusakov, P. O. - Formation of Alhagi under grazing. p. 149.
- Aldimov, Kh. - Trees and shrubs of the Tashkent mining district. p. 152.
- TASHKENT. UNIVERSITET.** Trudy [UNIVERSITY Transactions]. No. 287, 1966. Materialy k izucheniyu istorii Uzbekistana [Materials for the study of the history of Uzbekistan].
- Table of contents translated.
- Trubnikov, V. P. - How V. I. Lenin worked and the theory of the noncapitalist development of undeveloped countries. p. 5.
- Azizkhonov, A. T. - Bureau of the Central Committee of the Russian Communist Party (Bolsheviks) in Tashkent. p. 12.
- Novodvorskiy, A. M. - Mass participation of workers in the organs of the party control of governmental agencies in Uzbekistan, 1926-1929. p. 17.
- Boisikil, M. I. - Practice of the party control of governmental agencies during the first five-year plan in Uzbekistan. p. 20.
- Matilazov, M. - The movement of efficiency experts at the construction sites of hydroelectric power stations in Uzbekistan, 1941-1945. p. 25.
- Abdulkhamanov, A. A. - How the Communists struggled for the consolidation of collective farms, 1950-1955. p. 30.
- Sabirov, S. S. - Growing prosperity of the collective farmers of Uzbekistan, 1953-1956. p. 34.
- Azizkhonov, A. - Efforts of the Communist Party of Uzbekistan to develop close contacts between the work of Soviet schools and the demands of life. p. 39.
- Sultanov, E. - The Communists of collective farms in the struggle for cotton. p. 44.
- Ezlin, E. Kh. - Role of Uzbekistan cooperative cotton growing in the building of socialism. p. 50.
- Sharapov, Sh. - Growing number of activists in the trade union of agricultural workers and forest rangers in Uzbekistan. p. 59.
- Bokulov, R. M. - History of the laboring masses in Dzharkent Province, 1920-1941. p. 60.
- Nurillov, A. - Reorganization of rural party organizations and the role of the political machine of machine-tractor stations in Uzbekistan, 1941. p. 70.
- Tullaganova, M. - Concern for the families of the defenders of our country during the Great Patriotic War in Tashkent Province. p. 76.
- Savinskaya, L. L. - V. I. Lenin's struggle against bourgeois economic theories. p. 83.
- Naumenko, N. M. - The programmatic growth of the production of means of production in Uzbekistan. p. 90.
- Arslankina, R. A. - Criterion of the economic effectiveness of capital investments. p. 95.
- Motuz, V. I. - Business cycles and return of capitalism described in the works of Soviet economists, 1930-1957. p. 100.
- Mazanova, L. M. - Development of the revolutionary movement in Turkistan in 1905. p. 110.
- Taktayev, A. A. - Irrigation and the use of water resources in Turkistan. p. 118.
- Kavshik, D. - Triumph of V. I. Lenin's principle of national self-determination in the Soviet Union and its influence upon India. p. 120.
- Dmitriyev, G. L. - Russo-Indian political contacts in the early 20th century. p. 126.
- Kornilitsyn, A. I. - Libraries of medical scientists in pre-revolutionary Tashkent. p. 132.
- Kasymova, A. G. - The libraries of Uzbekistan during the second five-year plan, 1933-1937. p. 137.
- Filanovich, M. I. - History of old Mungab Oasis. p. 142.
- TIFLIS. UNIVERSITET.** Trudy [UNIVERSITY Transactions]. Vol. 74, 1959.
- Table of contents translated.
- Ugulava, M. - Stable zircon-allanite rock. p. 1.
- Mosesashvili, I. A., Ugulava, M. - Fluorine in sulfurous waters of Georgia. p. 7.
- Mosesashvili, I. A., Khavtasi, D., Talakvadze, G. - Manganese in fresh waters of Georgia. p. 15.
- Mosesashvili, I. A., Khavtasi, D., Talakvadze, G. - Manganese in mineral waters of Georgia. p. 21.
- Mosesashvili, I. A., Talakvadze, G., Khavtasi, D. - Study of manganese in grain crops of Georgia. p. 29.
- Dokosopulo, E. - Nickel in rocks adjacent to the italcum deposits of the Chorchana group. p. 39.
- Dokosopulo, E. - Nickel in soils and plants adjacent to the italcum deposits of the Chorchana group. p. 49.
- Ugulava, M., Sabin-Guss, I. - Copper in soils and rocks of Adzharia. p. 57.

- Plitskhilava, N. - Determination of the conductance of NaCl and KCl as dependent on temperature and concentration, p.69.
- Plitskhilava, N. - Conductance, density, and viscosity of cadmium iodide and bromide in methanol, p.85.
- Plitskhilava, N. - Conductance of aluminum sulfate and potassium iodide in methanol, p.93.
- Tsitshishvili, N., Kiparenko, T., Tabidze, Z. - Chemical investigation of the varieties of corn in some regions of Georgia, p.103.
- Tsitshishvili, N., Kiparenko, T., Tsitshishvili, G. - Effect of the planting time for potatoes of "Majestic" and "Lokh" brands on the quantitative composition of tuber, p.113.
- Petrov, A. D., Gverdtsiteli, I. M., Choketshishvili, K. I. - Action of triethylsilane on vinyltriethylcarbinol, p.121.
- Gverdtsiteli, I. M., Pajava, R. IU. - Synthesis of symmetrical acetylenic dimethoxy- γ -glycols and study of their catalytic hydrogenation, p.127.
- Gverdtsiteli, I. M., Pajava, R. IU. - Synthesis and catalytic hydrogenation of some asymmetrical acetylenic methoxy- γ -glycols, p.135.
- Nogaideli, A. I., Shvaghidze, R. - Synthesis of 2,5,7-trimethyl-3-octyne-2,5,7-triol, p.149.
- Nogaideli, A. I., Dzagnidze, K. I. A. - Synthesis of 1-phenyl-3,5-dimethyl-4-hexen-1-yn-3-ol, p.153.
- Nogaideli, A. I., Dzagnidze, K. I. A. - Hydrogenation of 7,7-dimethyl-1,6-octadien-3-yn-5-ol, p.159.
- Kakhiashvili, A., Chikhladze, V. - Condensation of resorcinol with dimethylvinylcarbinol in the presence of phosphoric acid, p.163.
- Kakhiashvili, A. P., Gverdtsiteli, D. I. - Condensation of guaiacol with benzyl alcohol in the presence of phosphoric acid, p.169.
- Gverdtsiteli, I. M., Mikadze, Sh. G. - Dehydration of diacetylenic glycol 2,7-dimethyl-3,5-octadiyn-2,7-diol, p.173.
- Bagatishvili, G. D., and others. - Study of hydroxyl groups of acetylenic and ethylenic carbols and glycols by means of infrared absorption spectra, p.181.
- Vaidukadze, A. - Surface tension of aqueous alcohol solutions in the presence of natural and treated bentonite clays of Georgia, p.193.
- Vaidukadze, A. - Effect of exchange "cations" on the value of the potential of askanite and gumbin suspensions, p.203.
- Shatashvili, Sh. - Physicochemical study of petroleum and its products, p.211.
- Shatashvili, Sh., Kacheishvili, G. - Catalytic cracking, p.243.
- Kacheishvili, G., Shatashvili, Sh. - Catalytic cracking of residues of the Didi Lilo refinery, p.251.
- Katsladze, T., Kokochashvili, V. - Isotope method of studying the hydrolysis kinetics of phosphoryl chloride and hydroxyethylamine, p.259.
- Dzhapadze, K. - Comparison of the etalon susceptibility of valency angles of carbon and silicon atoms, p.265.
- Kokochashvili, V., Katsladze, T. - Isotope method of studying the linking of phosphate with some proteins, p.267.
- Labadze, K., Kokochashvili, V. - Limits of the spontaneous ignition of mixtures of ethane and chlorine, p.275.
- Soplashvili, L. - Kinetics of propylene chlorination, p.283.
- Soplashvili, L. - Effect of oxygen on propylene chlorination, p.293.
- Gamsakhurdia, K. A. - Physicochemical study of mineral waters of the Kazbek Mount region of the Georgian S.S.R., p.301.
- Sagaidze, G. - Electroanalytical study of polymetallic ores of the Georgian S.S.R. for bismuth content, p.313.
- Gamsakhurdia, K. A., and others. - Physicochemical study of mineral and fresh waters of high-mountain regions of the Abkhaz S.S.R., p.321.
- Khundadze, M., Shatashvili, Sh. - Study of the group chemical composition of Noric petroleum of No. 21, 23, 44 oil well drilling rigs, p.337.
- Khundadze, M., Shatashvili, Sh. - Aromatization of petroleum products of the Samgori region, p.345.
- Namradze, S. G., Shatashvili, Sh. S. - Rectification with gumbrin of oil distillates of some Noric oil fields, p.351.
- Dokala, M., Khikhiia, V., Khintbidze, L. - Chemical analysis of drinking water in the Tiflis region, p.361.
- Kakhiashvili, A., Gtonti, G. - Condensation of α -naphthol with dimethylvinylcarbinol in the presence of phosphoric acid, p.369.
- b. POPULAR MAGAZINES**
- AZIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY].** Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 10, no. 6, May 1967.
- Table of contents translated:
- Shabney, B. - The Great October Revolution and the working class of the East, p.2.
- Vaydlov, V. - The workers of Syria, p.8.
- Vladov, A. - Rights which were won in struggle, p.10.
- Korfin-zade, R. - The road to "happiness," p.13.
- Khlynov, V. - "Rationalization" of production, p.14.
- Khin, G., Lokshin, G. - We must strengthen the unity of all anti-imperialist forces, p.18.
- Kuznetsov, IU. - In Japan: Escalation in Asia, p.20.
- Rusakov, A. - Recovery from poverty in Mali, p.23.
- Khutorov, B. - Senegal is a river of friendship, p.27.
- Gushchenko, E. - Calcutta is behind the gates (conclusion), p.29.
- Kalinikova, E. - The echo of Bantuk, p.31.
- Annan, Kwibena - Confusion, a story, p.34.
- Hoshi, Shinichi - Cigarettes, a fantastic story, p.38.
- Ekweni, Sybil - Gone to Mecca, a story, p.41.
- Kemal, Yashai - The tin can, a novel, p.43.
- Turkish humor about Bu Adam, p.46.
- New adventures of Max, p.47.
- Mozheiko, I., Uzunov, A. - He saw it (conclusion), p.48.
- Petrov, A. - Behind the scenes of the "palace" revolution, p.51.
- Kutsenkov, A. - The Harjans, parliars of society (to be concluded), p.53.
- People, events, and facts, p.56.
- Alekseev, IU. - Heroes of a national uprising, p.64.
- DARVINOK [PERIWINKLE].** Issued by Tsentral'nyi komitet Leninskogo kommunisticheskogo soluzu molodi Ukrainy and Respublikanskaya rada Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, no. 5, May 1967.
- BELARUS [WHITE RUSSIA].** Organ of Soluz pl'mennikau DSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 24, no. 6(263), June 1967.
- DADZIS [THISTLE].** Riga, nos. 10(250)-11(251), 1967. [In Latvian]
- KAPKAN, chuvashskii satiricheskii zhurnal [TRAP; Chuvash Satirical Magazine].** Cheboksary, no. 9(522), May 1967. [In Chuvash]
- KHOPRUSHTAK [HEDGEHOG].** Dushanbe, no. 8(328), Apr. 1967. [In Tajik]
- KITAI [CHINA].** Published by Izdatel'stvo literatury na inostrannykh yazykakh [Publishing House for Literature in Foreign Languages]. Peking, no. 4, 1967.
- KOREIA [KOREA].** Pyongyang, nos. 1(120)-3(128), 5(130), 1967.
- KROKODIL [CROCODILE].** Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 45, no. 13(843), 1967.
- KRYLATI [THE WINGED ONES].** Issued by Tsentral'naya uprava SUM [Central Committee of the Ukrainian Youth Association]. New York, vol. 5, no. 1, Jan. 1967.
- KULTUR JA ELU [CULTURE AND LIFE].** Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametihalguse Nõukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 10, no. 5, May 1967. [In Estonian]
- MURZILKA.** Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi and Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, no. 6, June 1967.
- NIVA [FIELDS OF GRAIN].** Moscow, no. 5, 1967.
- NOORUS [YOUTH].** Issued by Eesti NSV Kommunistliku Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 22, no. 2(247), May 1967. [In Estonian]
- NOVAIA ALBANIA [NEW ALBANIA].** Tirana, no. 2, 1967.
- NOVOSTI AMERIKANSKOI KULTURY [NEWS OF AMERICAN CULTURE].** Issued by Amerikanskoe posol'stvo [U.S. Embassy]. Moscow, nos. 58-59, [n.d.].
- OGONEK [THE LITTLE LIGHT].** Moscow, vol. 45, nos. 23(2034)-24(2085), June 1967.
- PERETS [PEPPER].** Issued by Vydavnytstva [Publishing House] "Radlans'ka Ukraina." Kiev, vol. 41, nos. 9(783)-10(784), May 1967.
- PIONER [PIONEER].** Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi and Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 44, no. 5, May 1967.
- PIONER [PIONEER].** Eri van, no. 3, Mai, 1967 [In Armenian]
- POL'SHA [POLAND].** Warsaw, no. 5(153), 1967.
- RT; obshchestvenno-politicheskii illiustrovannyi ezhe-nedel'nik [RT, Sociopolitical Illustrated Weekly].** Issued by Komitet po radioveshchaniu i televizionu pri Sovete Ministrov SSSR [Committee for Radiobroadcasting and Television, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 23(53), 1967.
- RABOCHIE-KREST'YANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT].** Published by Izd-vo [Publishing House] "Pravda," Moscow, no. 6, June 1967.
- RANOK [MORNING].** Issued by TsK LKSM Ukrainy [Central Committee of the Lenin Communist Youth League of the Ukraine]. Kiev, vol. 14, no. 5(160), May 1967.
- RODINA [OUR COUNTRY].** Issued by Komitet za vez-vyashchenie na Rodinu i razvitiu kul'turnykh svyazei s sootchestvennikami [Committee for Repatriation and Development of Cultural Relations with our Countrymen]. Berlin, vol. 9, no. 2, Mar.-Apr. 1967.
- RODNYE DALI [BELOVED VISTAS].** Hollywood, Calif., vol. 13, no. 100, July 1967.
- ROVESNIK [CONTEMPORARY].** Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U.S.S.R.]. Moscow, vol. 5, no. 4(58), Apr. 1967.
- SLUOTA [THE BROOM].** Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 9(304)-11(306), May-June 1967. [In Lithuanian]
- SOGLASIE [CONCORD].** Los Angeles, Calif., vol. 10, no. 189, June 1967.
- SOVETSKII SOIUZ [SOVIET UNION].** Moscow, no. 6(200), 1967.
- SOVREMENNAYA MONGOLIA [CONTEMPORARY MONGOLIA].** Ulan Bator, vol. 11, no. 3(110), Mar. 1967.
- UKRAINA [THE UKRAINE].** Published by Vydavnytstvo "Radlans'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol. 27, nos. 22(542)-25(545), May-June 1967.
- UZBEKISTON [UZBEKISTAN].** Tashkent, vol. 26, nos. 4(304)-5(305), Apr.-May 1967.
- V'ETNAM [VIETNAM].** Hanoi, Vietnam, nos. 1(112)-2(113), 1967.
- VOPROSY I OTVETY [QUESTIONS AND ANSWERS].** Moscow, no. 5(198), May 1967.
- VOZHATYI [PIONEER GUIDE].** Published by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi and Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 43, no. 5, May 1967.
- VOZHYK [HEDGEHOG].** Minsk, vol. 27, no. 8(654), Apr. 1967.
- VSESVIT, THE WORLD.** Issued by Spilka pyshnonnykh Ukrainy and Ukrainake tovarystvo druzhby i kul'turno-zv'yazku z zarubizhnyimi kralynamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol. 10, no. 6(103), June 1967.
- ZHIZN' GLUKHIKH [LIFE OF THE DEAF].** Issued by Vsesoiuzskoe obshchestvo glukhih [All-Russian Society of the Deaf]. Moscow, vol. 20, no. 5, May 1967.
- ZHIZN' SLEPYKH [LIFE OF THE BLIND].** Organ of Vsesoiuzskoe obshchestvo slepykh [All-Russian Society of the Blind]. Moscow, vol. 44, no. 5, 1967.

ZVAIGZNE [THE STAR]. Riga, vol. 17, nos. 6(400), 10(404), Mar., May 1987 [in Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHE-SKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaya biblioteka SSSR [State Library of the U.S.S.R.], Moscow, vol. 11, no. 9, 1987.

KNIZHNAIA LFTOPIS' [BOOK CHRONICLE]. Issued by Vsesoluznata knizhnaia palata [All-Union Book Chamber]. Moscow, no. 21, 1987.

LETOPIIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoluznata knizhnaia palata [All-Union Book Chamber]. Moscow, no. 4, 1987.

LETOPIIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoluznata knizhnaia palata [All-Union Book Chamber]. Moscow, no. 22, 1987.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 1: Fiziko-matematicheskie i tekhnicheskie nauki o zemle, tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences]. Vol. 12, nos. 15-16, May-June 1987.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 2: Biologicheskie nauki, sel'skoe i lesnoe khozjaistvo, sel'skokhoziaistvennyye i lesokhoziaistvennyye nauki, zdoravookhraneniye, meditsinskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol. 10, nos. 14-16, May-June 1987.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 3: Obshchestvennyye nauki, khudozhestvennaya literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 10, nos. 15-16, May-June 1987.

NOVAIA LITERATURA PO BOLGARI [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1987.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1987.

NOVAIA LITERATURA PO JUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1987.

NOVAIA LITERATURA PO OESHCHEM PROBLEMAM

seriiaev of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1987.

NOVAIA LITERATURA PO RUMYNI [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos. 1, 4, 1987.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1987.

NOVI KNYHY URSSR [NEW BOOKS OF THE UKRAINIAN S.S.R.]. Issued by Knyzhkova palata URSSR [Book Chamber of the Ukrainian S.S.R.]. Kiev, nos. 10-12, Apr. 1987.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U.S.S.R.]. Issued by Vsesoluznoe obshchestvennoye "Mezhdunarodnaya kniga" [All-Union Association "International Book"]. Moscow, nos. 21-23, May-June 1987.

NOVYE KNIGI ZA RUBEZHOM PO OSHCHESTVENNYM NAUKAM; ekonomika, filosofiya, istoriya, mezhdunarodnye otnosheniya [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES; Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo Inostrannoi Literatury [Publishing House of Foreign Literature]. Moscow, vol. 10, no. 5, May 1987.

b. LIBRARIES & LIBRARY SCIENCE

AKADEMIIA NAUK SSSR. Biblioteka. Novye inostrannyye knigi, katalog novykh postuplenii... [ACADEMY OF SCIENCES OF THE U.S.S.R. Library. New Foreign Books; Catalog of New Accessions...]. Leningrad, no. 3(178), 1987.

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstva kultury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 44, no. 4, Apr. 1987. Table of contents translated.

A high evaluation obliges us. p. 1.
Gudkov, N. - For a more thorough investigation of Lenin's ideas. p. 2.
Sakharov, N. - A valuable textbook. p. 6.
Sukhrannina, A. - An open review. p. 9.
Pillugin, Z. - From the conference to practical matters. p. 11.
Great help. p. 12.
Bakanova, V. - Day of Lenin's book. p. 13.
Kashyavova, T. - Year of work according to the new methods. p. 15.
Lobotskaya, E. - For inventors and innovators. p. 18.
Aznaeva, M. - Reliable support. p. 20.
Mal'veeva, M. - Traveling in one's native land. p. 22.
Loseva, G. - Training children in the use of the catalog. p. 25.
Abramov, K. - The first years. p. 30.
Documents, events, and facts. p. 34.
Gurina, A. - Everyone's property. p. 42.
Before the concluding stage. p. 43.
Seli'skaya, E. - In our fathers' footsteps. p. 44.
Seli'skaya, E. - The style of our work. p. 47.
Ivanov, S. - New developments in centralized cataloging. p. 50.
Gel'man, N. - A district library helps rural libraries. p. 53.
Kirillov, L. - Training the librarians in the theory of atheism. p. 58.
From letters to the editor. p. 61.

BIBLIOTEKOVEDENIE I BIBLIOGRAFIYA ZA RUBEZHOM [LIBRARY SCIENCE AND BIBLIOGRAPHY ABROAD]. Issued by Gosudarstvennaya biblioteka SSSR imeni V.I. Lenina [Lenin State Library of the U.S.S.R.]. Moscow, no. 21, 1987.

Table of contents translated:
Kusil, A. J. - Some problems of the methodology of subject cataloging. p. 3.
Chamerska, H. - Principles of library acquisitions. p. 50.
Poznanskaja, M. P. - Some problems of organized library storage in scientific libraries. p. 65.
Efimova, A. N., Jakelajits, V. V., Skripkina, T. I. - Libraries of Great Britain (materials of an official trip). p. 83.
Paulin, L. V. - The Hertfordshire County Library. p. 103.
An international conference on the problems of construction, apparatus, and technical equipment of small and average-sized libraries in Warsaw. p. 110.

INFORMATSIYA O BIBLIOTECHEM DELE I BIBLIOGRAFIYA ZA RUBEZHOM, sbornik materialov [INFORMATION ABOUT LIBRARY WORK AND BIBLIOGRAPHY ABROAD; Materials]. Moscow, no. 1(18), 1987.

c. PRINTING & THE BOOK TRADE

KNIZHNAIA TORGOVLIA [BOOK TRADE]. Issued by Komitet po pechatu pri Sovete Ministrov SSSR and Tsentral'nyi soluz potrobitel'skikh obshchestv SSSR [Committee for Printing, Attached to the Council of Ministers of the U.S.S.R. and the Central Council of Consumer Societies of the U.S.S.R.]. Moscow, vol. 18, no. 4, Apr. 1987.

Table of contents translated:
Editorial: Popularization of Lenin's ideas. p. 1.

Lenin is always with us. p. 3.
Morn of a new life. p. 4.
Baiashkov, T. - Books are solving our problems. p. 5.
How we prepare for the great holiday. p. 7.
Borisenko, V. - Ukrainian bookellers prepare for 10th anniversary. p. 9.
Books prepared for the 50th anniversary of Soviet Russia. p. 12.
Aronsheld, R. - Frontiers of growth. p. 13.
Mazanishvili, B. - The pride of "Savushko". p. 15.
Elarova, T. - In favor of mass advertisement. p. 17.
Sharenkov, N. - Specialists determine the success of work. p. 18.
Sharenkov, N. - Give way to useful books. p. 19.
Berbot, N. - Books for sale on commission. p. 27.
Lukin, M. - Buying up books is profitable. p. 29.
Plekhanov, M. - Art for the millions. p. 21.
Lelichevskaya, E. - Friendship with the categories. p. 24.
Sukharov, I. - Daily attention to book sales. p. 25.
Shanyayev, G., Vylegzhanin, I. - A book for every home. p. 20.
Malechenko, A. - If it is undertaken seriously. p. 23.
Daniluk, V. - Their labor is precious. p. 29.
Razivinskii, V. - The "Star" shines brightly. p. 31.
Rabin, A. - An annotation in the book. p. 31.
Mironova, A. - Books as gifts. p. 32.
Rubinshtein, E. - The technical books of the 30's. p. 34.
Suchkov, A. - For the people. p. 30.
Anniversary publications of the G.D.R. p. 37.
Kuznetsov, A. - Work, spirit, and water. p. 32.
Osipov, V. - Children's literature. p. 42.
Petrova, N. - Books on the workers' class. p. 41.
Nepesh, N. - Native land. p. 45.
Who is ahead? p. 46.
Osukin, V. - Stories about books and bookstores. p. 47.

POLIGRAFIYA [PRINTING]. Organ of Gosstatizmat i Komitet Soveta Ministrov SSSR po pechatu [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, no. 5, May 1987.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Otdel razvitiya i soluzpechati Ministerstva svyazi SSSR [Bureau for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no. 4, 1987.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

RUSSIA (1923- U.S.S.R.). Ministorstvo osvshchego spetsial'nygo obrazovaniya. Nauchnye i nauchno vysshie shkoly; filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Scientific Papers of Higher Schools; Philosophical Sciences]. Moscow, vol. 10, no. 2, 1987.

Table of contents translated:
Khachlov, A. G. - The 23d Congress of the CPSU and some problems of communist education. p. 3.
Sviderskii, V. I. - Can space and time be separated? merely the macroscopic forms of living matter? p. 14.
Konkin, M. I. - Understanding the categories of "concept" and "form" in connection with the development of biology. p. 24.
Batoev, K. B. - Simulation as a category of the theory of knowledge. p. 33.
Fainburg, Z. I., Kozlova, G. P., Likhachev, V. M. - Substance and typology of the concept of the cultural level and technical qualifications of workers. p. 42.
Vershlovskii, S. G., and others - A "content dictionary" as a means of studying the underground life of oral propaganda: a study in applied linguistics. p. 50.
Tarol'nik, B. I. - Expertise in the study of collectivism: democracy and its development under the conditions of our time. p. 58.
Rezvitskii, I. I. - Substance of the category of "science". p. 65.
Buhr, Manfred - From Fichte to Hegel. p. 71.
Dukhitov, M. Sh. - Bourgeois "criticism" of the Marxist theory of social determinism. p. 79.
Pospelov, D. V. - Existentialism and the problem of alienation in Japan's present-day bourgeois philosophy. p. 88.
Gontarev, G. A. - Interpretation of the periodical Marxist ethics in V.I. Lenin's works written after the October Revolution. p. 88.
Mellukhin, S. T. - The structure of dialectical materialism and the place of philosophical problems in natural sciences. p. 107.
Rukovich, M. N. - Antagonistic and nonantagonistic contradictions. p. 116.
Vetrov, A. A. - Present-day formal logic and traditional logic. p. 125.

- Popova, M. A. - Critical evaluation of the psychological apologia of religion. p. 133.
- Lurila, A. R. - The 18th International Congress of Psychologists. p. 173.
- Kiseleva, N. A. - International Congress of Mathematicians. p. 177.
- Fedorova, V. G. - Science and art in the contemporary world. p. 181.
- Shekhanov, I. A. - A letter to the editor. p. 183.
- VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY].** Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 21, no. 4, 1967.
- Table of contents translated
- Editorial: Leninism, the October Revolution, and our time. p. 3.
- Mozhnev, V. M. - V. I. Lenin's theory of socialist culture. p. 9.
- Shishkin, A. F. - Problem of social determinism and morality in V. I. Lenin's works. p. 21.
- Cherkasov, I. I. - Influence of the October Revolution upon the development of Marxist philosophical idea in the U.S.S.R. p. 32.
- Lektorskiy, V. A. - Principles of the reproduction of objects in knowledge. p. 44.
- Vergiles, N. I. U. - Zinchenko, V. P. - Problem of the adequacy of images. p. 55.
- Aleksandrov, A. D. - The truth and errors. p. 66.
- Tolstikh, V. I. - Science and the moral responsibility of scientists. p. 77.
- Zelenov, L. A., Makarychev, S. P. - Extrapolation and experiment. p. 87.
- Rogovin, M. S. - Memory as a philosophical problem. p. 97.
- Ruzavin, G. I. - Logical probability and inductive inferences. p. 108.
- Olszernan, T. I. - Philosophy and common sense. p. 118.
- Turayev, Akbar - Problems in the dialectic of the development of scientific knowledge. p. 131.
- Varchuk, V. V., Razin, V. I. - Studies on the political organization of socialist society. p. 134.
- Novikov, N. V., Zhiriakii, A. K. - A new Marxist periodical in France. p. 169.
- Kolomitshev, V. F. - Technocracy in the interpretation of bourgeois sociology. p. 173.
- Shafarev, V. V. - Anti-intellectualism in the intellectual life of the U.S.S.R. p. 178.
- Philosophical articles published in socialist countries. p. 178.
- A communication of the Organizational Committee for the Preparation of the Third International Congress on Logic and the Methodology and Philosophy of Science. p. 180.
- New philosophical studies. p. 181.
- Gluskina, L. M. - The trial of cases concerning the mimos in Athens in the fourth century B.C. p. 48.
- Belova, N. S. - A new inscription from Hieronassa. p. 60.
- Solomonik, E. I. - Greek inscriptions from the area of the ancient theater in the Chersonese. p. 60.
- Belova, N. N. - Epigraphic data on the workers of pottery shops in Roman Gaul in the 1st and 2d centuries A.D. p. 79.
- Remennikov, A. M. - Visigoths and the Roman Empire on the invasion of Huns. p. 95.
- Dandamaev, M. A. - Basic problems in studying the history of the ancient East in the Leningrad Branch of the Institute of the Peoples of Asia of the Academy of Sciences of the U.S.S.R. p. 107.
- IUSILOV, I. D. B., Narimanov, I. G. - Ancient history in the publications of the Azerbaijan S.S.R., 1958-1965. p. 115.
- Marinovich, L. P., Koshelenko, G. A. - Recent archaeological studies in Asia Minor. p. 172.
- Borshch, I. E. - Index of literature on the history of the ancient world published in 1962-1965 in the U.S.S.R. p. 194.
- I. A. Lentsman, 1908-1967; an obituary. p. 210.
- V. F. Gaidukovich, 1904-1966; an obituary. p. 213.
- Orationes of Isocrates (continuation). Translated from the Greek. p. 215.
- ARCHYVIMAI DOKUMENTAI [ARCHIVAL DOCUMENTS].** Issued by Lietuvos TSR Mokslu akademijos Archyvininkams dokumentams skelbti redakcija [Editorial Board for the Publications of Archival Documents of the Academy of Sciences of the Lithuanian S.S.R.]. Vilnius, no. 8, 1966. [In Lithuanian]
- ISTORIA SSSR [HISTORY OF THE U.S.S.R.].** Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- The 50th anniversary of the October Revolution and the study of Russian history. p. 3.
- Grunt, A. I. A. - Establishment of the Moscow Soviet of Workers' Deputies in 1917. p. 11.
- Titulkin, S. V. - V. I. Lenin's lectures on the war in the autumn of 1914. p. 29.
- Slasova, E. - Their names shouldn't be forgotten. p. 42.
- Kaigaeva, B. D. - The Korostolev brothers. p. 44.
- Bochov, M. D. - Professional revolutionary, choklat, and statesman. p. 53.
- Soldiers of the October Revolution tell us their stories. p. 58.
- Ol'khovskii, E. R. - Historiography of the "Chernyi peredel" Group. p. 63.
- Kazakova, N. A. - Maximus, the Greek, as "non-acquirer." p. 62.
- V. D. Bench-Bruovich. p. 66.
- V. G. Knorin, p. 105.
- S. I. Milskevich. p. 111.
- New studies on the history of the U.S.S.R. p. 134.
- Ioffe, G. Z. - Early history and development of the Anglo-American historiography of the February Revolution in 1917. p. 137.
- Kopychev, N. I. - Historians of the German Democratic Republic discuss the problem of Soviet-German relations and international contacts. p. 160.
- Through the eyes of foreign contemporaries, 1917-1920. p. 167.
- Dobutir Smersal's description of Soviet Russia in 1920. p. 184.
- Description of Soviet Russia by K. Fuse, a Japanese journalist, 1920. p. 189.
- Ravikovich, D. A. - Protection of the monuments of history and culture in the R.S.F.S.R. p. 192.
- Smirnov, I. I. - M. I. Kalinin in Volokolamsk. p. 207.
- Evseev, E. N., Plotnova, M. A. - History of the founding of Tsolinograd. p. 209.
- Pchel'nikov, T. S. - Visiting the places mentioned in V. I. Lenin's works. p. 211.
- In the Society for the Protection of Historical and Cultural Monuments. p. 215.
- Historical finds. p. 214.
- Suprunenko, N. I., Gannetskiy, I. U. M. - Ukrainian historians prepare for the 50th anniversary of the Great October Revolution. p. 215.
- Syrsova, S. M., Timchenko, Zh. P. - A season in Lvov. p. 217.
- Demeshtin, E. I., Ovchinnikova, M. I. - Problems in the history of the revolutionary Cossacks of the Don Valley. p. 210.
- The work of Siberian historians. p. 220.
- Koval'chenko, I. D., Milov, L. V. - More about the methods of studying the degree of the exploitation of different peasants. p. 223.
- Apogee "The study of texts as an auxiliary historical field," an article by S. N. Azhobov. p. 230.
- Gasarov, I. M. - This fact was mentioned by Lenin. p. 235.
- V. K. Tatsunskii; an obituary. p. 237.
- ISTORIKO-FILOLOGICHESKII SBORNIK [HISTORICAL AND PHILOLOGICAL PAPERS].** Issued by Komit filial Akademii nauk SSSR [Komi Branch of the Academy of Sciences of the U.S.S.R.]. Syktyvkar, no. 9, 1965. Socialist reforms in the Komi A.S.S.R.
- Table of contents translated:
- Ivanov, N. D. - Early history of collective farms in the land of the Komi. p. 3.
- Bezonsikov, I. A. N. - Publishers and publishing during the early phase of the cultural revolution in the Komi A.S.S.R., 1918-1925. p. 17.
- Shabalova, L. S. - How the Soviet Government helped the Komi people to restore their national economy, 1921-1925. p. 31.
- Raevskaya, T. P. - Participation of the members of the Moscow Komsomol in logging operations in Komi Province, 1929-1930. p. 45.
- Shabalova, L. S. - Economic cooperation of the Komi with other peoples of our country during the first five-year plan, 1928-1932. p. 54.
- Shabalova, L. S. - Friendly cooperation of the Komi with other peoples of our country during the second five-year plan, 1933-1937. p. 65.
- Deglov, V. S. - Workers of the Komi A.S.S.R. in the struggle for industrial development during the five-year plan, 1951-1955. p. 78.
- Staritsay, V. V. - Changes in the number and structure of the laboring classes of the Komi A.S.S.R. in 1956-1962. p. 82.
- Startsev, V. V. - Cultural and technical development of the laboring classes of the Komi A.S.S.R. in 1956-1962. p. 103.
- Kurakov, P. A. - Changes in the way of life of lumbermen. p. 115.
- Zhereblov, L. N. - An ethnographical study of the present-day population of Udorskii District. p. 127.
- Gagarin, I. U. V. - Disintegration of the Church of Old Believers in the Pechora Valley. p. 141.
- Gagarin, I. U. V. - Overcoming the surviving vestiges of religion in the Komi A.S.S.R. p. 155.
- MOSCOW, GOSUDARSTVENNYI ISTORICHESKII MUZEI. Trudy [STATE HISTORICAL MUSEUM. Transactions].** No. 40, 1966.
- Table of contents translated
- Grekova, L. V. - Karachirz, a campsite of the upper Paleolithic period. p. 7.
- Tsvetkova, I. K. - A burial ground of the Neolithic period at the Iberdus I campsite. p. 11.
- Raushenbakh, V. M. - A recently discovered settlement of the Neolithic period in the central part of the eastern Ural Mountain region. p. 15.
- Studzinskaya, S. V. - An elk-shaped hammer from Karolla. p. 20.
- Fedorova-Davydova, E. A. - A mound in the area of the Krasnoznamenskiy Canal. p. 36.
- Popova, T. B. - Establishing the date and cultural type of the earlier and later burial grounds near Volosovo. p. 42.
- Pogrebkova, M. N. - Daggers of the late Bronze and early Iron ages from eastern Transcaucasia in the collection of the Historical Museum. p. 48.
- Platyshcheva, N. V. - Archaeological surveying of Louka (Zmelnyy) Island in the autumn of 1964. p. 58.
- Sorekina, M. P. - Glass rings from the Kuban Valley in the collection of the Historical Museum. p. 71.
- Gushchikova, I. I. - A monument of late Sarmatian culture from the Onepok Valley in the collection of the Historical Museum. p. 74.
- Trubnikova, N. V. - Burial rites and the plan of the Koshibevo burial ground. p. 80.
- Abramova, M. P. - Surviving traces of the cultus of the double-sided poleax in the Daghestan of the early medieval period. p. 89.
- Talis, D. L. - A medieval branded handle of an amphora from the excavations of the ancient site on Baklinskaya Mountain. p. 97.
- Fokhnor, M. V. - The origin and dating of iron grivnas. p. 101.
- Uspenskaya, A. V. - An ancient Russian settlement near the city of Dubna. p. 105.
- Lavashova, V. P. - Costume of the rural population in ancient Russia. p. 112.
- Tukhtina, N. V. - Ethnic structure of the population of the Shoksha Valley in the 10th-12th centuries. p. 120.
- NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY].** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1967.
- NOVAIA LITERATURA PO ODSHCHIM PROBLEMAM EVROPEISKIKH SOTSIALISTICHESKIKH STRAN [NEW LITERATURE ON THE GENERAL PROBLEMS OF THE EUROPEAN SOCIALIST COUNTRIES].** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.
- PREPODAVANIE ISTORII V SHKOLAH [TEACHING HISTORY IN SCHOOLS].** Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 3, May-June 1967.
- AKADEMIA NAUK SSSR. Institut istorii. Vestnik drevnei istorii [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. Review of Ancient History].** Moscow, no. 1(89), Jan.-Mar. 1967.
- Table of contents translated:
- Postovskaya, N. M. - The familia in the Egypt of the Old Kingdom period. p. 3.
- Shifman, I. Sh. - Characteristics of bondage services to Palestinian kinds in the first half of the first millennium B.C. according to Biblical tradition. p. 38.
- 4. HISTORY**
- a. GENERAL.**
- AKADEMIA NAUK SSSR. Institut istorii. Vestnik drevnei istorii [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. Review of Ancient History].** Moscow, no. 1(89), Jan.-Mar. 1967.
- Table of contents translated:
- Postovskaya, N. M. - The familia in the Egypt of the Old Kingdom period. p. 3.
- Shifman, I. Sh. - Characteristics of bondage services to Palestinian kinds in the first half of the first millennium B.C. according to Biblical tradition. p. 38.

UKRAINIAN HISTORICAL JOURNAL [UKRAINIAN HISTORICAL JOURNAL]. Issued by Institut Istorii Akademii nauk URSR [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and others, Kiev, vol. 11, no. 4, Apr. 1967.

Table of contents translated:

- Hutians'kyi, S. K. - The Great October Revolution and some problems concerning the cultural revolution in the Ukraine, p. 3.
- Donli, M. R. - Bolshevik organizations of the Ukraine in the "period of the new orientation of the party," March-April 1917, p. 14.
- Iurchenko, O. T. - V. I. Lenin and the realization of the alliance of the Bolsheviks and those Mensheviks who didn't quit the party in the organizations of the Russian Social Democratic Party in the Ukraine, 1909-1911, p. 26.
- Berezovchuk, M. D. - V. I. Lenin and the organizations of poor peasants in the Ukraine, p. 38.
- Sherman, I. L. - Some features of V. I. Lenin's methods in studying the history of the Soviet period, p. 46.
- Petrovka, V. S. - Changes in the structure, working conditions, and way of life of collective farm peasants in the Ukraine, p. 56.
- Lysenko, M. M. - Problem of the "Malorossitstvo obshchestvo," 1821-1825, p. 66.
- Liven', V. A. - Position of U.S. trade unions in the problems of foreign policy, from the Korean to the Vietnamese War, p. 78.
- Bensling, Manfred - The nature, organization, and role of the "Bundens" in the peasant war in Germany, 1524-1526, p. 85.
- Bashelov, V. F. - Technical training of workers as assigned to managerial positions in 1933-1937, p. 95.
- Semchyn's'kyi, S. V. - How a Russian mission was received in China in the 17th century, p. 97.
- Shmentov, I. I. A. - How the history teachers of Chernivtsi Province prepare for the 50th anniversary of the Great October Revolution, p. 101.
- Kryp'yakevych, I. P. - Some remarks on the methodology of historical studies (continuation), p. 106.
- Tymoshchuk, D. O. - The Kholm Fortress, p. 109.
- Zavatskii, V. M. - Smiesnov, M. O. - The double trap (continuation), p. 112.
- Rashev, P. M. - M. I. Shashkov; on the 60th anniversary of his birth, p. 115.
- Sarbel, V. R. - The 130th anniversary of V. V. Tatnovskii's birth, p. 118.
- Oltynsk, L. V., Stetsuk, K. I. - The 300th anniversary of the rebellion led by Stepan Razin, p. 122.
- Kravets', M. M. - Petro Konashkevych-Sahaidachnyi, Hetman of the Ukraine, p. 128.
- Sintsevych, A. V. - Studies of Soviet Ukrainian historians devoted to the problem "V. I. Lenin and the Ukraine," p. 129.
- Klebanova'ka, N. M. - Foreign contacts of the Institute of History of the Academy of Sciences of the Ukrainian S.S.R. in 1966, p. 149.
- Petiukov, P. T. - White Russian historians prepare for the 50th anniversary of the Great October Revolution, p. 152.
- Kolosov, V. V. - Studies of Ukrainian historians devoted to the 50th anniversary of the Great October Revolution, p. 154.
- Panchyry, N. P. - A press conference at the Central Historical Archives of the Ukrainian S.S.R. devoted to the 50th anniversary of the Great October Revolution, p. 156.
- Makutsenko, R. K. - A methodological conference on problems in the "History of the cities and villages of the Ukrainian S.S.R.," p. 157.
- Habovets'kyi, V. V. - The 40th anniversary of the Ethnological Museum in Kolyomyssa, p. 159.
- Antonuk, S. M. - An exhibition of the studies of Ukrainian historians in Krakow, p. 160.

WINNIPEG, UKRAINIAN RESEARCH INSTITUTE OF VOLYN Proceedings, INSTYTUT DOSLIDIV VOLYNI. Pratsi, No. 15, 1966.

- Contents: Buzanskyi, Antin. [The Pripiet River and its tributaries, a geographical and archaeological study on the old waterways between the Black Sea and the Baltic] Rika Pryp'yat' ta di doplyvy, stari vodni shliakhy mlzh dorlezhchani Chornoho moria i Baltykom (geografichno-arkheologichna studija), 39 p.

b. ARCHAEOLOGY & ANTIQUITIES

ARKHEOLOGIA [ARCHAEOLOGY]. Issued by Institut arkhologii Akademii nauk Ukraini RSR [Institute of Archaeology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 18, 1965.

- Table of contents translated:
- Petrov, V. P. - A change of archaeological cultures in the area of the Ukrainian S.S.R. in the fifth century A.D., p. 3.
- Tolochko, P. P. - The topography of ancient Kiev, p. 14.
- Novits'ka, M. O. - Embroidery in Kievan Rus', p. 24.
- Kryzhyts'kyi, S. D. - Recommended methods for the description of stonework in the cities of the northern Black Sea region from the 7th century B.C. through the 4th century A.D., p. 39.

- Hlins'ka, V. A. - An ancient settlement near Basovka, p. 48.
- Chernenko, IE, V. - Breastplates of the Scythian period, p. 77.
- Bil'del', D. I. - An ancient Russian burial ground in Chernigov, p. 105.
- Pokrov's'ka, IE, F. - Burial mounds near the village of Sen'kovka, p. 139.
- Iakovenko, E. V. - A Scythian necropolis near the city of Borislav, p. 150.
- Movsha, T. H. - A treasure trove of late Tripol'ye period jewelry found in Tsviklovsky, p. 161.
- Hladylin, V. M. - New finds in the Derkul Valley, p. 171.
- Petrov's'ka, IE, O., Telehin, D. I. A. - An early Slavic burial ground in the Tyasmin Valley, p. 178.
- TSyhylyk, V. M. - Excavation of an ancient settlement of the Lipitsa cultural type near the village of Verkhnyaya Lipitsa in Ivano-Frankovsk Province, 1962, p. 180.
- Makino, IE, V. - A burial in the Zamkovaya Gora part of Lubny, p. 185.
- Mytrofanova, V. I. - Monuments of the Zarubintsy cultural type in the upper Donets Valley, p. 190.
- Mel'nykivs'ka, O. M. - The ancient settlement and burial ground of the Zarubintsy cultural type in southern White Russia, p. 196.
- Vetshteyk, R. I. - An Olbian kila, p. 206.
- Dovzhenok, V. I. - Slavs in the Danube Valley, p. 209.
- Iliu, R. O. - The 1100th anniversary of Great Moravia, p. 216.

Vol 20, 1966.

- Table of contents translated
- V. P. Petrov, on his 70th birthday, p. 3.
- IE, V. Veimarn, on his 60th birthday, p. 5.
- Kolosov, IU, H. - Edge tools of the Levallois and pseudo-Levallois type in the Crimea and their functional purpose, p. 6.
- Shamshil, M. M. - The Gorodsk-Volynian version of late-Tripol'ye culture, p. 15.
- Zbenovych, V. H. - Daggers of the Usatovo type, p. 38.
- Berezans'ka, S. S. - Some problems in the history of the central Dnieper Valley in the early Bronze Age, p. 47.
- Hlins'ka, V. A. - Origin and ethnic contacts of the tribes of Scythian culture in the forested steppe of the Sula and Donets Valleys, p. 58.
- Ivanova, H. P. - Studies on the art of the Bosphorus Kingdom, p. 93.
- Makino, IE, V. - Monuments of the Chernyakhov cultural type in Zlatopol' District, Chernassy Province, p. 137.
- Tolochko, P. P. - Topography of the treasure troves of grivna coins in Kiev, p. 123.
- Hladylin, V. M. - Discovery of a campsite of the Mousier cultural type in the Donets Basin, p. 135.
- Bil'tkova, V. I. - Bone implements found at the Kirilovskaya campsite of the Paleolithic period, p. 143.
- Peleshchynskiy, M. A. - A settlement of the period of funnel-shaped pottery near the village of Lezhnitsa in Volhynia, p. 145.
- Vynokur, I. S. - Archaeological studies of a Tripol'ye type-settlement near the village of Magala, p. 157.
- Beinitskoyev, K. V. - A settlement of the Aeneolithic period on Malaya Gora Mountain near Mukachevo, p. 163.
- Myntaleva, T. M. - A recently found kettle of the Cimmerian period, p. 171.
- Korpanenko, H. T. - A burial mound of the 8th-7th century B.C. near the village of Nosachovo, p. 174.
- Iakovenko, E. V. - New data on V. V. Khivko's excavations near the village of Pastyrske, p. 180.
- Vysots'ka, T. M. - Plastic pottery from the ancient settlement of Alma-Keren, p. 185.
- Symonovych, E. O. - The first burial mound of the Chernyakhov type in the northern Black Sea region, p. 186.
- Kuchera, M. P. - An ancient Russian settlement near Khodorov, p. 202.
- Bidzilia, V. I. - A treasure trove of bronze bracelets from Transcarpathia, p. 211.
- Penlak, S. I. - A find of the personal ornaments of the late Bronze Age, p. 214.
- Khraban, H. IU. - Early Slavic monuments in the Uman' region, p. 218.
- Ratych, O. O. - Ancient settlements near the villages of Dobrostan and Strach in Lvov Province, p. 227.
- Ters'kyi, V. S. - New materials for the archaeological map of Volhynia, p. 230.
- L. D. Dmyrov; an obituary, p. 233.
- IU, S. Vynohrads'kyi; an obituary, p. 234.
- D. I. Bil'del', an obituary, p. 235.

5. SOCIAL SCIENCES

a. COMMERCE

- BULLETTEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII; prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION; Supplement]. Issued by Nauchno-Issledovatel'skii kon'inkturnyi institut [Scientific Research Institute of Economic Trends], Moscow, no. 2, 1967.
- Table of contents translated.
- Kur'orov, V. G. - Export of agricultural commodities from the U.S.S.R. in accordance with government programs, p. 3.

- Selikhov, E. I. by British I
- No. 3, 1967.
- Table of
- Salkov, A. P.
- Pankin, M. S.
- relations o
- Democratic
- countries.

DUKHALTERSK

- Ministerstvo fl
- the U.S.S.R.]
- Table of
- Editorial Natl
- tasks, p. 3.
- Titchenko, M.
- office of the
- U.S.S.R. p
- Bychkov, M., D
- ing in hous
- Pobedni, I. - A
- without the
- Ugirov, V. - Ana
- p. 20.
- Zhdanova, Z. -
- under the no
- Mekhanoshin, K
- the manager
- Konakov, A. - T
- ti and the
- Ivanov, N. - A
- materskii Plai
- Chichvatin, IU.
- Company ont
- Maklov, S. - Ju
- enterprises.
- Pogorov, I., M
- ing in motion
- Kofun, S. - Imp
- p. 37.
- Lapshin, I. - Ac
- heat costs in
- Sorostanov, V. -
- Survey of disses
- p. 65.
- Review of news
- The new insti
- in the Ministry
- in the Methodol

- Vol. 26, no. 4, Apr
- Table of c
- Bogatyev, P. -
- mary task.
- Evshev, P. - In
- analysis, p.
- Valnev, D. - Ac
- clothing enter
- Filippova, V. -
- in the automa
- Ermolinskii, V.
- and wages, p
- Kotov, A. - Inte
- accounting in
- Sumin, P. - Cen
- p. 22.

- Abdulkhayev, A.
- state trade an
- Koren'kov, I. -
- tions, p. 31.
- Kozak, I. - Devo
- prizes, p. 32.
- in honor of the 51
- Revolution, p
- Mironov, N. - In
- portation, p.
- Medvinskii, A. -
- of materials a
- tion, p. 41.
- Lazhentsov, P. -
- worsted manu
- Kut'in, S. - Acco
- Beloborodova, V
- output, p. 49.
- Pobedni, I. - Ma
- plants, p. 53.
- Temnyashev, V. -
- Installed, p. 5
- Kliukin, V. - Im
- wages, p. 60.
- Dzhagizlan, A. -
- p. 61.
- From the editor's
- Awad ded a high b
- Borovykh, R. - C
- prizes of the E
- p. 75.
- The new instruct

KOOPERATOR KAZAKHISTANA [THE COOPERATIVE WORKER OF KAZAKHISTAN]. Issued by Soluz potrebnoy obshchestvy Kazakhskoy SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 10, no. 5, May 1967

NOVYE TOVARY, Informatsionnyy biulleten' [NEW CONSUMER GOODS, Information Bulletin] Moscow, no. 5, 1967.

TORGOVLYA ZA RUBEZHOM [TRADE ABROAD]. Organ of Gosudarstvennyy komitet Soveta Ministrov SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Trade]. Moscow, nos. 4-5, 1967.

VNESHNAYA TORGOVLYA [FOREIGN TRADE]. Organ of Ministerstvo vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 47, no. 3, 1967.

Vol. 47, no. 3, 1967.

Table of contents translated:
Interview with N.S. Palolchev, Minister of the Foreign Trade of the U.S.S.R., p. 3.
Frel, L. - Foreign trade during the period of the reconstruction of national economy, p. 4.
Shestakov, E. - Contribution to the building of socialism, p. 6.
Nestorov, M. - Chamber of Commerce in operation, p. 9.
"Leningrad" expands its operations, p. 14.
Sagor, A. - To Leningrad after the golden fleece, p. 16.
Vasil'ev, N. - Export expands, p. 17.
Vaganov, G. - Foreign trade relations of the Urals, p. 20.
Chislakov, M. - Foreign trade of Czechoslovakia under the new conditions, p. 22.
Negotiations and agreements, p. 26.
Lebedev, E. - Exposition of planet earth, p. 30.
Kuznetsov, G. - Metallurgical equipment, p. 34.
Andreev, M. - National private capital in the foreign trade of Southern and Southeastern Asian countries, p. 40.
Galin, I. - The Central American common market, p. 45.
Nikolov, D. - Marine transportation of petroleum, p. 49.
Mironov, M. - After the conference in Cheboksai, p. 53.
Solov'ev, S. - Year of unfavorable results, p. 54.
Rozov, V. - Economic boycott of Rhodesia, p. 55.
Announcements, p. 60.

b. ECONOMICS

BAKU, AZERBAIDZHANSKH GOSUDARSTVENNYI UNIVERSITET. Uchenyye zapiski. Seriya ekonomicheskikh nauk [AZERBAIDZHAN STATE UNIVERSITY. Studies. Series in the Economic Sciences]. No. 2, 1964.

Table of contents translated:
Votlov, T. S. - Flourishing of the economy and culture in the Azerbaijan S.S.R., p. 3.
Musaliev, M. - Development of the economic thought of Azerbaijan after its annexation to Russia, p. 13.
Kavaylov, A. - Some problems of Russian-Azerbaijani economic relations, p. 27.
Sarkisov, A. A. - Creating the material and technical foundation of communism is the basis for the friendship and unity of socialist nationalities, p. 39.
Prazina, L. - Economic cooperation of the fraternal peoples of Transcaucasia, p. 51.
Akhmedov, I. - Development of transportation in Azerbaijan after its annexation to Russia, p. 61.
Kuliev, G. M. - Role of the Azerbaijan S.S.R. in developing foreign economic relations of the Soviet Union with foreign countries, p. 73.
Kofman, E. G. - Role of Baku Soviet budget in the economic and cultural construction of the city of Baku, 1920-1964, p. 81.
Gani-zade, N., Manafov, M. - Economic efficiency of introducing a set of equipment for mechanizing the underground repair of wells, p. 93.

EKONOMIKA I ZHIZN' [ECONOMICS AND LIFE]. Issued by Gosudarstvennaya planovaya komissiya and Sovet narodnogo khozaystva Uzbekskoy SSR [State Planning Committee and the Economic Council of the Uzbek S.S.R.]. Tashkent, vol. 9, no. 3, Mar. 1967.

Table of contents translated:
Editorial. Strict discipline and organization are a guarantee of new labor achievements, p. 3.
Mukhamedov, I. - Our potentialities, p. 7.
Avagimian, R. - Hopes and apprehensions, p. 11.
Akhmedov, A. - This problem should be solved without delay, p. 14.
Gurin, A. - Economics and the legal service of an enterprise, p. 19.
Tadzhiev, N. - What is the characteristic of the new wholesale prices, p. 23.

Gabzailov, G. - Payment for production funds, and economic incentives, p. 27.
Zitadullaev, N. - From the point of view of general state interests, p. 31.
Kakharov, A., Ajudunov, O. - Creative blastings, p. 33.
Uzbekistan gold, p. 38.
Stages of growth, p. 41.
Calendar of the events of heroic years, p. 45.
Parvizul, B. - When twigs are blossoming... p. 48.
Beautiful looks of a new Tashkent, p. 54.
In the epicenter, p. 61.
Bakhtov, I. - Business initiative and enterprising spirit, p. 68.
Mazurik, S., Irbaev, D. - For a better use of dry farming area, p. 73.
Saitov, A. - The "pearl" of the Aral Sea region is costly, p. 79.
Kuchlavtsev, V. - On the two collective farms of Shakhrisayab, p. 82.
Sun khadarya vegetable growers present their bill, p. 88.
Stalinskaya, V. - Put swine fattening on an industrial basis, p. 91.

EKONOMIKA SOVETSKOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Gosplan Soveta Ministrov Ukrainy SSR and Institut ekonomiki Akademii nauk URSS [State Planning Commission of the Council of Ministers of the Ukrainian S.S.R. and the Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 10, no. 5, May 1967.

LAUDUS UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no. 6(104), June 1967. [In Lithuanian]

MATERIAL'NO-TEKHNIЧЕСКОЕ СНАБЖЕНИЕ [SUPPLY OF MATERIALS AND EQUIPMENT]. Organ of Gosudarstvennyy komitet Soveta Ministrov SSSR po material'no-tekhnicheskoy snabzheniyu [State Committee of the Council of Ministers of the U.S.S.R. for the Supply of Materials and Equipment]. Moscow, vol. 2, no. 4, Apr. 1967.

Table of contents translated:
Changing over to the new system of planning and economic incentives, p. 1.
Borodin, M. - General concern, p. 5.
Gusev, I. - Delivery of products manufactured by the heavy machinery industry under the new conditions, p. 13.
Alekhin, A. - Role of procurement in improving the efficiency of enterprise work, p. 17.
Levitskiy, I. - Creating supply depots in railroad branch stations, p. 22.
Gruzdev, V. - Improving the supply and sale work in an enterprise, p. 27.
Livshits, L. - This was accomplished by the reform, p. 33.
Dobrokhotov, V. - Thrift of the working man, p. 37.
Merkel', D. - The miner's gift, p. 39.
Golub, A. - Improving the financial and managerial operations of specialized organizations, p. 41.
Supplying construction sites with complete sets of structural materials prepared under plant conditions, p. 45.
Chulko, N. - Material incentives in supply and sale organizations, p. 50.
Votlov, I. - Communists of the plant in the struggle for economy, p. 54.
Lopukhov, P., Voronov, S. - Economic use of the cement in construction and industry, p. 59.
Seltimnikov, N. - Storehouse of material resources, p. 63.
Polianskiy, I., Kudukov, V. - Using mathematics in planning for deliveries of mineral fertilizers, p. 69.
Lobachev, V., and others. - Determining dates for the delivery of equipment on the basis of network schedule graphs, p. 72.
Kim, B. - Put all resources in the service of the five-year plan, p. 78.
Khinskii, E. - Developing direct and lasting business ties among enterprises, p. 81.
Kogan, G., Shurupov, I. - The financial plan and reality, p. 86.
Bakhtin, L., Sorovintin, A. - Bring order to the planning for production and distribution of second grade pipes, p. 88.
Farkhutdinov, S. - Important potentiality for reducing the cost of drilling work, p. 89.
Ioffe, M. - We are improving forms of training, p. 91.
Vorslov, I. - They work and study, p. 92.
Goriago, A. - In the Northeast Region of the country, p. 93.

MIROVAYA EKONOMIKA I MEZH DUNARODNYE OTNOSHENIYA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1967.

Table of contents translated:
Zhukov, E. - The new era in the history of the world and its moving forces, p. 3.

Mileikovskii, A. - Bourgeois political economy and the investment policy, p. 14.
Shtalskiy, I. - The theory of "ultraimperialism" and the present, p. 30.
Tamarin, I. - Scientific and technical revolution and the intensification of the contradictions of capitalism, p. 42.
Grechev, M. - Vicious circle of the United States policy in Latin America, p. 54.
Current problems of world politics, p. 66.
Barabanov, M. - The gross national product of the U.S.A. and its structure, p. 85.
Bregel', E. - Absolute rent under the conditions of modern capitalism, p. 97.
Problems of industrialization in the developing countries, p. 109.
Chernavina, V. - The fuel and power policy of the Common Market, p. 128.
Economic Information, p. 134.

MOSCOW, UNIVERSITET. Vestnik. Seriya 7: Ekonomika [UNIVERSITY. Review. Series 7: Economics]. Vol. 22, no. 2, Mar.-Apr. 1967.

Table of contents translated:
Eglazarian, G. A. - Methodological problems of forming the material incentive funds in industry, p. 3.
Shtin, I. G., Blizhukova, I. V. - Correlation of the rates of growth of labor productivity and wages at the various stages of the development of the socialist economy, p. 15.
Sandskiy, V. G. - Problems of the large-scale reproduction of specialists in the U.S.S.R., p. 25.
Maler, V. F. - Differentiated balance of incomes and consumption of the population as an instrument of planning prospects, p. 31.
Lurie, A. L. - Mathematical methods in studying the economics of the socialist economy, and the economic theory, p. 38.
Arkhangelskiy, I. S., Konopitskiy, V. A. - Some models of accumulation and consumption and their analysis, p. 49.
Korochkin, V. V. - Notes on the agriculture of the German Democratic Republic; an economist's impressions, p. 58.
Zhdanova, Z. S. - Systematizing conventional terminology in economics, p. 64.
Olsov, V., Pollakova, S., Priatopopov, V. - The faculty and the plant, p. 73.
L. M. Zulfeman, on his 70th birthday, p. 78.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Arman'skoy SSR and Institut ekonomiki Akademii nauk Arman'skoy SSR [State Planning Commission of the Armenian S.S.R. and the Institute of Economics of the Academy of Sciences of the Armenian S.S.R.]. Erevan, no. 5, 1967. [In Armenian]

NARODNOE KHOZIAISTVO KAZAKHISTANA [THE NATIONAL ECONOMY OF KAZAKHISTAN]. Issued by Gosplan Kazakhskoy SSR [State Planning Commission of the Kazakh S.S.R.]. Alma-Ata, vol. 18, no. 11, Nov. 1966.

Table of contents translated:
Editorial. Push up the lagging to the level of the advanced, uncover production potentialities, p. 3.
Basov, A. - Increase the production output of machinery manufacturing, p. 8.
Reznikov, A., Tonkonogii, A. - Cyclone smelting has a big future, p. 14.
Innovations improve production, p. 17.
Isaev, I. - Decisively eliminate breakage and suppress violations in city building, p. 20.
Sheherbakov, A. - More attention to the construction of schools, p. 23.
Anisichenko, V. - Utilize water resources comprehensively, p. 26.
Bagaev, D. - Potentials for the increase of meat production, p. 29.
Rubenbaev, I. - Run agriculture on a scientific basis, p. 33.
Merzhaev, V. - From loss to profit, p. 38.
Amstibovitskiy, M. - Improving business accounting in construction, p. 43.
Kokavlin, D. - Transfer to the new price scale, p. 47.
Smagulov, G. - New computed prices for meat, p. 50.
Khasenov, E. - The development of trade in the republic, p. 52.
Gokovin, A. - Why are profits reduced? p. 58.
Bystrov, I., Borodulin, M. - More fully utilize needs for the needs of the national economy, p. 62.
Mel'nikov, N. - Wall panels out of needs, p. 63.
Sakulinskiy, L., Shirayev, G. - The placing of equipment in open areas, p. 65.
Malashenko, O. - A city changes its face, p. 68.
Lazarevko, M. - Factory of the future, p. 71.
Mikhailov, A. - Funds of socialist enterprises and ways to improve their use, p. 73.
Ponomarenko, N. - The distribution of material and spiritual goods at a new stage in the building of communism, p. 78.
Glebov, S. - Living standards in the U.S.S.R. and the U.S.A., p. 85.
Zherebtsev, F., Tlaubordin, A. - Study on foreign capital in prerevolutionary Kazakhstan, p. 92.
Information, p. 95.

Vol 18, no 12, Dec 1966

- Table of contents translated
- Lazarov, M. - The Kazakhstani Magnitogorsk, November, 1960, p.3
- Rady, at the reconstructed 'Kazakh Agricultural Machinery', p.6
- Scherbin, I. - For complete and comprehensive utilization of Altai ores, p.8
- Zavarzin, V. - Improve the leadership organization of sections, p.11
- Mukho, M. - Prepare to receive Ural gas, p.14
- Priyaz, I. - Regularize the research work on work crises, p.17
- Alt P., A. - For further industrialization in construction, p.19
- Scherbin, I. - Supply of materials and machinery and the economics of construction, p.23
- Orlov, V. - Unused potentialities of Leningorsk workers, p.27
- Tanashin, S. - The Golodnaya Steppe needs a powerful construction organization, p.30
- Malysheva, G., Vasilik, G. - Chikment cement must become cheaper, p.32
- Komik, I. U. - Introduce new technology persistently, p.35
- Ivanov, A. - Efficiency experts are improving production, p.38
- Foltshchuk, I. - The development of industrial transportation, p.42
- Vasil'chev, I. - Strengthen business ties between industrial and railroad workers, p.48
- Rebrtk, E. - The needs of Dzhambul railroad workers, p.51
- Aziz, S. - What the analysis of the economics of a group of state farms shows, p.53
- Shkarupa, D. - School construction is not a secondary matter, p.58
- Sotochy, A. - Strengthen aid to schools, p.61
- Matrosova, E. - New planning project for the Borovoye health resort region, p.63
- Grigor'yan, A. - The production of flour should be near local demand, p.64
- Semenov, B. - One hundred tons of coal per month per miner, p.66
- Elkin, F. - Increasing labor productivity is the way to abundance, p.70
- Soskin, S. - Overcoming the essential differences between city and village during the period of the transition to communism, p.76
- Information, p.83

KARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaya planovaya komissiya Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Council of Ministers of the Uzbek S.S.R.] Tashkent, vol 3, no.1, Jan. 1961.

- Table of contents translated:
- Editorial. All efforts should be applied to fulfilling ahead of schedule the plan for the third year of the seven-year plan, p.3
- Shamsudinov, F. - More fully utilize potentialities for the further development of agriculture, p.11
- Muradov, N. - For hastening the development of the province's economic conditions, p.21
- Demakov, E. - Technological progress is the basis of new successes, p.27
- TSikanov, K. - Among livestock breeders of the Brunt Collective Farm, p.29
- Pozharov, L. - Give full support to industrial methods, p.32
- Al'iman, S. - One more giant of the seven-year plan, p.34
- Abdurakhmanov, A. - Generous gift of builders, p.39
- In the third year of the seven-year plan, pp.42, 53, 60
- Savchenko, P. - Progressive trends in the development of Uzbekistan's fuel industry, p.43
- Shelengart, M., Fabril'shev, D., Menlakhmedov, G. - Important criterion of regional planning, p.49
- N., and others. - The Angren deposit is not minimum, p.53
- The correct distribution of income is an important condition for the further strengthening of the economy, p.55

- Pak, B. - Construction bureaus of volunteers, p.83
- Porgalin, L. - The book trade should be equal to the demands of the time, p.86
- Elisavetskii, B. - Monography on the social product and national income of the Uzbek S.S.R., p.88
- Best wishes to the journal, p.92
- To our readers, p.92
- On M.I. Zherebtsov's 60th birthday, p.95

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA (NEW FOREIGN ECONOMIC LITERATURE). Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no.4, 1967.

ORGANIZATSIYA I UPRAVLENIE NEFTEDOBYYAIUSHCHIEI PROMYSHLENNOSTI [ORGANIZATION AND MANAGEMENT OF PETROLEUM PRODUCTION]. Issued by Vsesoyuznyi nauchno-issledovatel'skii institut organizatsii, upravleniya i ekonomiki neftegazovoi promyshlennosti [All-Union Scientific Research Institute of the Organization, Management, and Economics of the Petroleum and Natural Gas Industry]. Moscow, no.2, 1968.

- Table of contents translated:
- Tuplin, P.S. - Cost accounting in petroleum production and drilling enterprises of "Ukrzapidneftegaz" combine, p.3
- Gorkin, S.F. - Forms of production planning in building drilling rigs, derrick-drilling operations, p.6
- TSakurov, A.I., Shcherik, E.A. - Increasing effectiveness of geologic prospecting work by improving organization and planning of production process and scientific research, p.11
- Bragin, A.A., Kozyrev, S.M., Kulin, I.M. - Results of introducing new wage terms for drilling foremen, p.13
- Kotshuba, I., Lyshak, A. - Collective wages of workers of drilling crews based on comprehensive norms in enterprises of "Ukrzapidneftegaz" Combine, p.17
- Pahentsov, G.I. - Work experience of norm research station of "Nizhnevolzhskneft" Combine, p.20
- Rozenover, A.A. - Work experience of norm research station of Ministry of Petroleum Production Industry in Azerbaijan S.S.R., p.23
- Popov, A.V. - Significance of norm research work in raising labor productivity in petroleum production industry, p.28
- Antonov, M.M. - Establishment of wage norms of hourly workers in enterprises of "Nizhnevolzhskneft" Combine, p.30
- Savitskii, V.B. - Some problems of development and introduction of automated systems in petroleum supply industry, p.31 - 3 of cover.

No.4, 1966.

- Table of contents translated:
- Mishchevich, V.I. - Experience in organizing drilling operations in "Tatneft" Combine, p.3
- Gorkin, S.F. - Some problems of improving use of fixed assets in drilling enterprises, p.8
- Musilachenko, G.R. - Experience in reorganizing management of drilling operations in "Krasnodar-neftegaz" Combine, p.11
- Ivanov, N.N. - Experience in improving production planning of seismic prospecting operations, p.13
- Rep'ev, A.I. - Analysis of changes in labor productivity in drilling based on fundamental factors, p.16
- Farkhudinov, S.Z. - Experience in establishing norms for expenditures and analyzing use of material resources in "Tatneft" Combine, p.20
- Grolengel'm, I.U.G., Shakhmamedov, A.D. - Further improvement of planning and accounting of drilling operations, p.23
- Vasserman, V.O., Shatalov, I.U.D. - Mechanization of processing initial documentation of well production in Tebuk oil field administration using EV-45 computers, p.28
- Grigor'ev, V.M., and others - Improving organization of management of drilling operations, p.28
- Gorokhov, N.S., and others - Experience in introducing Scientific Labor Organization in Oil Field No.1 of Oil Field Administration of "Shalimneft", p.32
- Khoroshilov, V.A., Val'shin, R.K., Salimzhanov, E.S. - Instruction flow sheets as an important means for improving production and management in petroleum transportation, p.38

No.5, 1966.

- Table of contents translated:
- Takoev, D.A. - Scientific labor organization in "Kuybyshevneft" Combine, p.3
- Shirin, S.S., Ponomarev, S.A. - Some problems of organizing planning of oil production, p.7
- Naumovets, M.M., and others - Experience in introducing methods of standardization into building of drilling rigs in "Kuybyshevneft" Combine, p.9
- Reshetov, A.S. - Analysis of labor organization in crews working on well testing, p.12
- Zainetdinov, E.A. - Some problems of introducing central control into administrations of oil fields, p.15

- Gasanov, G., Aliev, Kh. - Production training and specialization of crews overhauling wells in Azerbaijan petroleum industry, p.10
- Arlisov, E.V., Gauptman, A.I. - Work experience of the Central Norm Research Institute of the Main Administration for the Supply with Petroleum Products of the National Economy of the R.S.F.S.R., p.22
- Naumovets, M.M., and others - Determining material strength and skilled personnel of derrick-drilling crews, p.24
- Buklov, I.U.A., and others - Improving organization of production planning and technology of well drilling at drilling office No.1 of "Kuybyshevneft" Trust, p.20
- Piotel', S.G. - Some problems of improving planning and financing of drilling operations in "Tatneft" drilling office, p.32
- Golikov, P.A., Rop'ev, A.I.A. - Technical standardization as part of scientific labor organization and participation of Norm Research Station of Main Administration of Oil and Gas Industry of Azerbaijan Province in scientific labor organization work, p.34
- Dukov, L.M., Kasatkina, A.L. - Problems of organizing reference and information work in petroleum production industry, p.37

No.6, 1966.

- Table of contents translated:
- Zhdanov, A.M. - Our objectives in the field of scientific labor organization, p.3
- Soplin, V.I. - Scientific labor organization in enterprises of petroleum production industry of U.S.S.R., p.5
- Alisov, S.N., Rop'ev, A.I.A., Cheroukov, B.G. - Methodological recommendations for scientific labor organization in enterprises of petroleum production industry, p.12
- Gorodnitskii, P.I.A. - Present status of scientific labor organization in enterprises of "Tatneft" Combine, p.16
- Bozdelev, P.M. - Scientific labor organization in "Bashneft" Combine, p.14
- Aliev, Kh.M. - Present status of scientific labor organization in enterprises of Ministry of Petroleum Production Industry of Azerbaijan S.S.R., p.14
- Mulakhov, P.S. - Present status of work on scientific labor organization in enterprises of "Krasnodar-neftegaz" Combine, p.22
- Kudella, P.G. - Present status of work on scientific labor organization in "Grozneft" Combine, p.24
- Kotshuba, I.I. - Scientific labor organization in enterprises of "Ukrzapidneftegaz" Combine, p.25
- Zubrilenko, I.V. - Present status of work on scientific labor organization in enterprises of "Tukumenneft" Combine, p.26
- Konushkov, V.P. - Establishing scientific labor organization in enterprises of "Sakhalimneft" Combine, p.27
- Fedorov, A.M. - Introducing scientific labor organization into Ukhla Combine, p.20
- Zhukov, S.N. - Introducing scientific labor organization into enterprises of "Sakhalimneft" Combine, p.31
- Brulikhina, A.P. - Scientific labor organization in enterprises of "Uzbekneft" Combine, p.37
- Gadzhilova, E.D. - Scientific labor organization in "Dagneft" Combine, p.30

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY].

Issued by Gosplan SSSR and SNK SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.], Moscow, vol.44, no.5, May 1967.

- Table of contents translated:
- Korakevich, D., Kozlov, L. - Optimizing plan for the development and distribution of industrial branches, p.3
- Shul'man, A. - Problems of centralized and decentralized planning, p.17
- Kulikov, F. - Problems of improving planning in the republic, p.23
- Privozonitsov, A. - Business accounting in the workshop and material incentives, p.31
- Fol'dman, M., Borodianskii, E. - The plan and incentives, p.41
- Moliseenko, E., Zvol'skaya, S. - Planning for the sale of products, p.47
- TSernov, A. - Methodological problems of business accounting, p.52
- Kokhar, A. - Take into consideration the characteristics of communal services, p.57
- Istvan Fria, - Problems of improving planning in Hungary, p.62
- Evgenev, R. - New developments in the national economic planning of the European socialist countries, p.70
- Sullaova, L. - Foreign exchange-financial cooperation of the countries participating in the Mutual Economic Assistance Council, p.77
- Larionov, I. - Planning for the turnover of funds, p.82
- Dubovyi, P. - On the system of benefits for those who work in the north, p.80
- Krasilov, A. - Improving planning for production costs, p.89

Sheln, P. - Improve the classification of grades, p. 90.

REFERATIVNYI SBORNIK EKONOMIKA PROMYSLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshego shkola; ekonomicheskoe nauchie [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Economics]. Moscow, vol. 10, no. 4, 1967.

Table of contents translated

Baukina, M. - Work of a genius, on the 50th anniversary of the publication of V. I. Lenin's work "Imperialism as the highest stage of capitalism," p. 3.
Lavrov, E. - Initial category of the political economy of socialism, p. 14.
Kritilov, S. - Socialist commodity production and the economic reform, p. 10.
Eremkin, A. - Commodity and monetary forms under socialism, p. 28.
Shuklaeva, E. - Some problems in the replacement of the labor force, p. 37.
Tokarskaya, N. - Building up the labor force in the industry of Eastern Siberia, p. 45.
Khmel'tanskii, B. - Rationalizing employees' leave, p. 51.
Nurullayev, A. - Mathematical modeling of production and interregional exchange of products, p. 58.
Sht'kov, V., Belov, B. - Economic information on production quality, p. 68.
Gavrilov, G. - Criterion of optimality and combining branches of agricultural production, p. 74.
Tregubov, K. - Correlative modeling in the economics of agriculture, p. 60.
Matveenko, G. - Mathematical methods and planning for the work of agriculture aviation, p. 85.
Pollakov, P. - State monopoly in property, p. 88.
Iakovleva, S. - Origin of the doctrine of "human relations," p. 95.
Sharkov, A. - Economics and statistical publications in Japan; a survey, p. 104.
Shelnin, E. - Modern capitalism, p. 110.
Doctoral dissertations in 1965, p. 131.
Stimulate the development of the problem of scientific organization of labor, in the Ministry of Higher and Secondary Special Education of the U.S.S.R., p. 133.
Bakhladze, V. - The all-Union conference of economists and historians, p. 134.
Domit, IU., Kolosov, V. - There is need for standard terminology, p. 136.
Smirnov, V. - Improve the organization of the repair of equipment, p. 139.

SBORNIK PRAVIL PEREVOZOK I TARIFOV RECHNOGO TRANSPORTA RSFSR [REGULATIONS GOVERNING RIVER TRANSPORTATION AND RATES IN THE R.S.F.S.R.]. Issued by Ministerstvo rechnogo flota RSFSR [Ministry of the River Fleet of the R.S.F.S.R.]. Moscow, no. 7, 1967.

SBORNIK PRAVIL PEREVOZOK I TARIFOV ZHELEZ-NODOROZHNOGO TRANSPORTA SOIUZA SSR [REGULATIONS GOVERNING RAILROAD TRANSPORTATION AND RATES IN THE U.S.S.R.]. Issued by Ministerstvo puti soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, nos. 33-34, 1956; no. 113, 1960; no. 61, 1966; no. 60, 1967.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 24, nos. 5-6, May-June 1967.

c. FINANCE

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 41, no. 4, Apr. 1967.

Table of contents translated.

Editorial: Put additional millions in the anniversary year budget, p. 3.
Sturlian, S., Afremov, V. - Economic basis and principles of determining fixed payments, p. 8.
Tur, V. - Improve the organization of the work of financial organs, p. 16.
Kazankova, K. - Economic reform and converting wholesale prices, p. 21.
Plotnikov, K. - Role of Soviet finance in the industrialization of the country and collectivization of agriculture, p. 26.
Golovanov, S. - From recollections, p. 37.
Larionov, K. - Developing financial and economic relations in the world socialist system, p. 45.

Kondrashov, G. - Some problems of reviewing profitability and revising prices in light industry, p. 56.

Karpula, S. - Use production funds efficiently, p. 60.
Evdokimov, A. - Employ all potentialities, p. 64.
Bevztuk, A., Khochizh, A. - From the economic reform practice, p. 66.
Kuznetsov, K. - Our concerns, p. 70.
Tumanov, G., Gershberg, I. - Ways to reducing the cost of services, p. 73.
For economy and thrift, review of articles and correspondence received by the editor, p. 76.
Distribution of profit and formation of funds in automotive transportation enterprises, p. 79.
Maslennikov, V., Prokopen, V. - Some characteristics of converting branches of the food and light industry to the new system of management, p. 84.
In the Collegium of the Ministry of Finance of the U.S.S.R., p. 91.
Samulevicius, P. - At the republicwide conference of the financial workers of the Lithuanian S.S.R., p. 84.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoyuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 10, no. 4, Apr. 1967.

Table of contents translated

Let us greet the great holiday with worthwhile accomplishments, p. 1.
Efremova, N. - Lenin's insurance program, p. 3.
Litvinenko, I. - Named after V. I. Lenin, p. 5.
Khachidze, A. - In Tajikistan valleys, p. 6.
Davlatov, Kh. - Concern for the cotton grower, p. 8.
Ol'khovskii, G. - Builders of the Nurek Dam, p. 10.
Smakov, P., Antipin, D., Bukhtolov, P. - Microclimate of an open pit, p. 12.
Lushankin, N., Shtyov, V. - Star over a mine, p. 14.
For making petroleum workers' labor easier, p. 15.
Dallina, O. - Dietetic nutrition in an automobile plant, p. 18.
Nazarov, A. - For business contact, p. 20.
Korsakov, M. - Use diffusion welding in production, p. 22.
Grigor'ev, S. - It didn't become easier, p. 23.
Vinogradov, N. - Careful aqueous ammonia, p. 24.
Nikulina, N. - How to protect yourself from toxic chemicals, p. 25.
Mironov, V. - Guaranteed right, p. 26.
Paikin, M. - Work on holidays, p. 30.
Matveev, F. - "Vikhr"-2, pp. 32, 4 of cover.

Vol. 10, no. 5, May 1967.

Table of contents translated

May Day of the jubilee year, p. 1.
Kanev, Davly. - For the welfare and happiness of man, p. 2.
Kozubenko, Valerii. - The oil-bearing Chelken, p. 4.
Charyev, Amandurdy. - Machines came to the field, p. 5.
Kudriashov, Iurii. - First step, p. 6.
Karadzhaeva, Aisoltan. - Mistresses of all trades, p. 7.
Barybin, V. - In line with the principle of socialist humanism, p. 8.
Kornov, B., Vitsenovskaya, V. - Important factor, p. 10.
Duvankov, G., Semenov, E. - First decisions on labor, p. 12.
Peltov, B., Novikov, N. - The Crimean resorts, p. 14.
Kogan, O'iga. - Deserved recognition, p. 16.
Panov, G., Kasatkina, E. - Labor, science, and safety, p. 18.
Gafskov, V. - Laboratory of aesthetics, p. 20.
Kazakov, P. - Light and shadows, p. 22.
Convenient and safe, p. 24.
Kozlovskaya, A. - Without old age, p. 30.
Tendinik, IU. - Dangerous enemy, p. 32.
Nevraev, G. - Resort at home, p. 34.
Ovchinnikov, V. - Troubles of the transpolar "Ritsa," p. 36.
Kurnikov, A. - Central vacuum cleaning installations, p. 38.
The safety engineer, p. 39.
Chubais, B. - Work in the forest, p. 41.

RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda," Moscow, no. 5, May 1967.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'nyi Kamitet Komunisticheskoi partii Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 43, no. 5, May 1967.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi plati [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol. 12, no. 5, May 1967.

Table of contents translated

Novozhilov, S. - Introduction of scientific labor organization is a business of great state importance, p. 3.
Kapsulin, E. - Higher school and improving the organization of labor, p. 16.
Kozlov, L. - Main trend, p. 23.
Tarasnikovich, P. - Incentives for engineering work, p. 28.
Kiriyatin, I. - Collective responsibility and labor discipline, p. 33.
Plotkin, M. - The workshop business accounting, bonuses, and labor organization, p. 37.
Kiriutin, N. - The most important factor in the growth of labor productivity in construction, p. 45.
Vasil'eva, V. - Incentive awards for the best organization of labor, p. 50.
Shor, M., Iusufovich, B. - Technology and scientific labor organization, p. 54.
Lotavet, A. - Physiological principles of scientific labor organization, p. 62.
Ponomarev, M. - At the plant the psychologist's opinion is taken into consideration, p. 70.
Markovich, F. - Selecting an occupation and occupational orientation, p. 73.
Bedny, G. - Practice in conducting psychophysiological studies, p. 77.
Gorchakov, V. - Scientific labor organization and planning for the work area, p. 81.
Jukavay, R. - Problems of the structure of industrial management, p. 89.
Satanovskii, R. - Organization of foremen's work in serial production areas, p. 96.
Vannakh, E. - A new service, its concerns and difficulties, p. 101.
Irin, A. - The technical secretary, p. 109.
Lifshits, V., Shapiro, I. - Establishing norms is a composite part of scientific labor organization, p. 120.
Semenkevich, S. - Norm research in 1966-1970, p. 129.
Kotlar, B. - The economic reform and the establishment of work norms, p. 133.
Waller, K. - Some problems of studying the organization of labor and establishment of work norms, p. 136.
The 14th Congress of International Council for Scientific Management, p. 143.
For workers of enterprises on practice in changing over to the new system of planning and economic incentives, p. 147.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions, p. 164.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoyuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 23, no. 4(358), Feb. 1967.

Table of contents translated:

Strengthen socialist labor discipline, p. 2.
Pavlov, I., Polynin, Vik. - Climate of the enterprise and the worker's honor, p. 6.
Among those at sea, p. 9.
Contract for competition, p. 11.
Eventov, A. - Friends-rivals, p. 12.
Gorilenko, I. - If one work - Zhiyovskii, S. - The new factory committee, p. 14.
Turkin, I. - Sources of Falatov, IU. - Galina Iv Dzhiga, P. - This is to Morozov, K. - Value of Liddin, M. - Big business Klimov, E. - Against the Naumov, S. - Kuybyshe in two workers' dorms Mlagmarzhav, B. - Tra developing products Shatkovskii, A. - The p sumera, p. 40.
Skliarevskii, IA. - House Mikhatov, IA. - "Small Workers and employee The labor replies to it

Vol. 23, no. 5(358), Mar.

Table of contents

Editorial: Let us greet October Revolution merits, p. 2.
Gorbulov, V. - Coefficient Intraplant business ac Lisitsyn, A. - Publicist p. 8.
Spring in the Zoravsha Nikolaev, A. - Bonus Verizhskii, A. - The Belinskii, I. - Decisive collective, p. 13.

Here begins the day of the motherland. p.14, 24.
 Sharlovskii, N. - Into the cultural fund of the people. p.17.
 Subbotin, D. - Petu Apakov. p.19.
 Akhmetova, V. - Teach and help. p.20.
 Dal'michenko, V. - Going deep into economics. p.21.
 Sysnev, B. - Are such inspections useful? p.23.
 Lubkov, A. - Land, water, people. p.26.
 Arkad'ev, D. - What is "Dzhigalan"? p.28.
 Evstov, A. - First the settlement, then the plant. p.29.
 Polevoi, IU. - One needs persistence. p.30.
 Tshannikova, M. - There are fewer complaints. p.31.
 Kislov, V. - In the heat of football passion. p.32.
 Increasing the role of trade unions as a school for education. Theme No.6 p.34.
 Schutz, Paul - Trade unions and the new economic system of the Democratic Republic of Germany. p.30.
 Sharapov, G. - In spite of the Chinese representatives' obstruction. p.42.
 Lawers reply to the readers. p.46.

Vol. 23, no. 6(369), Mar. 1967

Table of contents translated
 Kozlov, A. - Call, and lead to exploits! p.2.
 Blum, V. - Rates upon which depends the future. p.7.
 Baikanova, M. - From the mine to the innovator's goal. p.9.
 Popov, A. - Stages of growth. p.10.
 Solishko, V. - Price of a second and minute. p.12.
 Borisov, A. - Sliding ahead. p.13.
 Romanchenko, V. - In Apkhaz, Siberian village... p.16.
 Fedor Mantulin, Bolshevik, p.19.
 Stucheglov, G. - Who will work as a cattleman? p.22.
 Kardanov, M. - This is how the respect for labor is implanted. p.24.
 Nikitin, M. - How to check the accuracy of compilations. p.25.
 Dol'nikov, V. - I am going to the people. p.27.
 Mal'tsev, I. - Purposefulness and a businesslike approach. p.30.
 Vorozheikin, P. - Economics of health resorts and service to the resting workers. p.33.
 Sinkovitch, S. - Inspectors are at their posts. p.35.
 D'achikov, P. - We discuss an important issue. p.36.
 Xuan Dieu. - Symbol of spring. p.38.
 Svellov, A. - There, where the government is of the people. p.39.
 Mikhailin, A. - In a "modernized state." p.40.
 Rumiantseva, M. - Compensation in transferring, accepting, and directing to work in other locality. p.43.
 Petrov, IU. - For those who introduce scientific labor organization. p.44.
 The lawyer replies to the readers. p.46.

Vol. 23, no. 7(361), Apr. 1967.

Table of contents translated
 Editorial Central trade-union committees under the new conditions. p.2.
 Sotnikov, G. - Competition and a branch. p.4.
 Sorokin, M. - Stress upon economics. p.7.
 Levandovskii, IA. - Following the example of Sverdlovsk farmers. p.7.
 Milphalova, L. - The present of Old Glukhovka. p.8.
 Krongaus, Aleksandr - Lenin and the Putilov workers. p.11.
 Tkachenko, Iurii - Inextinguishable flame. p.14.
 Scouts of the future. p.16.
 Dadashiev, K. - The sun over Azerbaijan. p.18.
 Usta Piri's children. p.21.
 Fisherman's son. p.21.
 Worker-engineer. p.22.
 Main guldepovis. p.23.
 Vladimirov, A. - On the agenda is a problem of dismissal. p.24.
 Podolskii, A. - "Hey, let us have diesel engines!" p.25.
 Kovalev, P. - On the examples of life. p.27.
 Gudkov, I. - Commissions of the trade-union committee. p.29.
 Kashkadimov, I. - The turn of fate. p.32.
 Democratic centralization and production principle are the basis of the construction and organizational work of Soviet trade unions. Theme No. 7. p.36.
 Plotnikov, A. - In the atmosphere of friendship and mutual understanding. p.42.
 Makukhin, E. - Twilight of dictatorship. p.42.
 Vasil'ov, A. - Lawyers reply to the readers. p.46.

o SOCIOLOGY

AZERBAIJAN GADYNY [AZERBAIJAN WOMAN].
 Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 5, May 1957 [In Azerbaijan]

KAZACH'IA ZHIZN' [COSSACK LIFE]. Issued by Vtoroi otel Kazach' (o-amei)kanskogo naodnogo soluzza [Second Division of the Cossack American National Alliance, Inc.], Providence, R. I., vol.16, no.171, May 1967

KAZAKSTAN FIELDS [KAZAKHISTAN WOMAN]
 Alma-Ata, no. 6, 1967 [In Kazakh]

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH] Issued by Tsentral'nyi komitet Vsesoiuznogo iuninskogo kommunisticheskogo soluzza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin], Moscow, no.10, May 1967

NASHI ZHYTTIA. OUR LIFE. Issued by Soluz ukrainok Ameriky [Ukrainian National Women's League of America, Inc.], Philadelphia, vol. 24, no. 6, June 1967.

NOUKOGUDE NAIINE [SOVIET WOMAN]. Issued by RKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 6, 1967. [In Estonian]

SMENA [THE YOUNGER GENERATION]. Organ of Tsentral'nyi komitet Vsesoiuznogo iuninskogo kommunisticheskogo soluzza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 44, no. 10(960)-11(961), May-June 1967.

SOVET TURKMENISTANYN AYALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of Tsk KP Turkmenshana [Central Committee of the Communist Party of Turkmenistan]. Ashgabad, no. 4(166), Apr. 1967 [In Turkmen]

V DNI ZELENYKH SVIAT. ON MEMORIAL DAY. Published by Bratstvo "Brody-Lev, Ink" ["Brody-Lew," Inc., Brotherhood]. New York, vol. 13, no. 13, June 1967.

6. POLITICAL SCIENCE

AGITATOR. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluzza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no.1, Jan. 1962

Table of contents translated
 An all-Union conference on problems of ideological work. p.2.
 Before the elections. p.3.
 Chalkin, P. - A prerequisite for the building of communism. p.6.
 Kostitsyn, A. - From a proletarian dictatorship to a state of all the people. p.10.
 The fourth year of the seven-year plan, facts and figures. p.14.
 Kol'chik, A. - When the whole collective group shows an interest. p.18.
 Svelichnyi, V. - A centner of sugar beets in 14 minutes. p.22.
 Mylnok, A. - Revolutionary enthusiasm. p.26.
 Sorokin, S. - The ideas of the party to the masses. p.30.
 Shagin, A. - The methodological councils are operating. p.33.
 Zensikov, M. - Let us discuss the training of students. p.35.
 Kurantov, A. - The code of Communist morality and religious "monks." p.37.
 Kotov, B. - World forum of the working class. p.40.
 Vislitski, M. - Time is marching on. p.43.
 Al the world map: Goa, Damao, Diu. p.47.
 Viktorov, V. - A question of questions. p.49.
 Andrianov, V. - A holling continent. p.50.
 Lebedev, V. - A reprimand! p.51.
 Khomutov, I. - What is the "Common Market" and the "Zone of Free Trade"? p.53.
 Cherednichenko, M. - This is your accomplishment. p.56.
 Belousov, V. - Good seeds. p.58.
 From the editor's mailbox. p.59.
 Shirayev, D. - The publisher and life. p.61.
 Brief news. p.63.

Vol. 34, no. 8, Apr. 1967.

Table of contents translated.
 Editorial A good start of the anniversary year. p.3.
 Brief news on the preparations for the anniversary, talks with party secretaries of the city committees. p.6.
 Communications from readers. p.7.
 Gorev, A. - Highly active. p.8.
 Pollakov, V. - When the heart beats loud... p.12.
 The right to rest; facts and figures. p.15.
 Shamara, A. - The "Russian muzhiks", in Ilich's library. p.18.
 Stropukhov, M. - A right government. p.22.
 For the benefit of the people, an interview with A. I. Struov, Minister of Trade of the U.S.S.R. p.26.

Stenin, A. - Vigilance and skill, an article dedicated to the Day of Border Patriots. p.29.
 Blinuk, N. - We must not try to find easy ways. p.31.
 There should be an individual approach to work. p.34.
 Lushchetskii, IA. - A five-day week and two days off. p.35.
 Kaza, A. - Archaeology and religion. p.39.
 Karbovskii, V. - Your place on earth. p.42.
 About the delay in new housing, about grief and death. p.46.
 Suvorov, L. - Workday of Ivan Fomich. p.47.
 Levin, A. - Rational distribution of the productive forces. p.48.
 Correspondence with readers. p.50.
 Kasatkin, D. - A nest of sabotage and corruption. p.51.
 Foreign caricatures. p.54.
 Aleksandrov, I. - Cynicism of the occupiers, water for an observer. p.55.
 Himenes, B. - The influence of the Peruvian Communists is growing. p.57.
 Tsekunars, O. - The struggle of the people of Greece. p.60.
 They are gaining from aggression. p.61.
 New books. p.64.

Vol. 35, no. 9, May 1967.

Table of contents translated.
 Editorial The future belongs to communism. p.3.
 Brief news on the preparations for the anniversary. p.7.
 Communications from readers. p.8.
 Voss, A. - Industrial Latvia. p.10.
 Kurlov, G. - Festive decoration of Yavor-Lav. p.12.
 Svelichnyi, M. - Summoned by the revolution. p.14.
 Tolmenny, S. - Skillful people of a rural area. p.16.
 Ignatovskii, P. - The Soviet laboring class. p.22.
 Kostandov, L. - Wide scope and high speed, an article dedicated to the Day of Chemistry. p.26.
 Our longevity, facts and figures. p.28.
 Antonov, B. - We must demand as well as help. p.31.
 Cherniaev, P. - Three times faster... p.33.
 Frolenko, V. - Changes in production and in society. p.34.
 Tuplayn, N. - The eternal flame. p.38.
 Zharavlev, A. - The most precious gift. p.42.
 About spiritual bread and the crane in the sky. p.43.
 Makrushin, E. - An end to the "holy" place of "sharab." p.46.
 Makrushin, E. - From eye to eye. p.47.
 Teachers, stories about good people. p.46.
 Osipov, G. - What is sociology? p.48.
 Correspondence with readers. p.51.
 Koldobskii, V. - The fate of native Americans. p.52.
 Sychev, M. - Conferences over Glimmas. p.54.
 Czechoslovakia is making progress, an article dedicated to their national holiday. p.55.
 Nosyrev, L. - On a dangerous path; notes of an observer. p.58.
 The accuracy of information, a letter to the editor. p.60.
 "Russian speech." p.60.
 New books. p.64.

BAKU, INSTITUT ISTORIY PARTII. Trudy [INSTITUTE OF THE HISTORY OF THE PARTY, Transactions]. Vol. 23, 1969.

Table of contents translated:
 Kochart, T. K. - How the Communist Party of Azerbaijan struggled for socialist industrialization and prepared the complete collectivization of agriculture, 1926-29. p.3.
 Inagimov, Z. I., Karenin, A. A. - Efforts of the Communist Party of Azerbaijan to complete the socialist reconstruction of the national economy, the victory of socialism, 1933-37. p.47.
 Guliev, Dzh. B. - Postwar efforts of the Communist Party of Azerbaijan to restore and develop the socialist national economy, 1945-53. p.70.
 Saikisov, A. A. - History of the organization of Azerbaijan Bolshevik newspapers. p.116.
 Kalib, M. M. - A political strike of the Baku proletariat organized by the Bolsheviks in January 1917. p.132.
 Gadzhiev, I. B. - The Bolsheviks were the organizers of a demonstration and the general strike of the Baku proletariat on May Day in 1910. p.148.
 Vezlov, Kh. O. - The "Fugara sodasy" newspaper. p.166.
 Gasanov, G. M. - History of the establishment of the Democratic Party of Azerbaijan. p.170.
 Azimov, D. A. - Linguistic and terminological problems in translating the works of the great authors of Marxism-Leninism into Azerbaijani. p.201.

CHASOVOI [THE SENTRY]. Organ of Rossiiskoe natsional'noe dvizhenie [Russian National Movement]. Brussels, no. 492(6), June 1967.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestioma Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 6, June 1967. [In Estonian]

KOMMUNIST [COMMUNIST] Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 44, no. 6, Apr. 1967.

Table of contents translated:

- Editorial Under the banner of Leninism p. 3.
Kniazev, S., Kukin, D. - V.I. Lenin's April theses. p. 14.
Kumaev, D. - The October Revolution and the transformation of the nationalities living on the borderlands. p. 25.
Lektorskiy, V. - Lenin's conception of the dialectics of the subject and object. p. 38.
Kochukov, A. - Education and science. p. 49.
Abroskin, P., Kamenitskiy, S. - Lenin's principles of management in action. p. 55.
Fedotkin, A. - Agreement of interests. p. 66.
Abalkin, L. - Economic laws, interests and methods of economic activity. p. 72.
Hendrich, J.H. - On strengthening the unity of socialist society. p. 82.
Hemli, Ernest - Behind the scenes of the American and Bonn alliance. p. 98.
New books p. 127.

Vol. 44, no. 7, May 1967.

Table of contents translated.

- Editorial Dynamic power of proletarian internationalism. p. 3.
Korunov, G. - The Great October Revolution and international solidarity of the working classes. p. 14.
Andreev, V. - Some problems of party work during the preparations for the October Revolution. p. 24.
Mikhailov, A.I. - A thousand-page book of poetry. p. 35.
Kovanov, P. - The people's controllers in action. p. 46.
Elmekdzhan, A. - Hidden potentialities of major construction projects. p. 60.
Vorob'ev, V. - Business accounting within individual production units of collective farms. p. 70.
"Naun am'chal" discussed on the pages of "Kommunist." p. 79.
Reznikov, A. - V.I. Lenin on the national liberation movement. p. 91.
Ambasemov, E. - Historical experience of the national front and our time. p. 103.
Rakhimov, T. - Great-power policy of Mao Tse-tung and his group in the nationality problem. p. 114.
Makarov, F. - Promoting the ideas of proletarian internationalism. p. 120.

Vol. 44, no. 8, May 1967

Table of contents translated:

- Editorial A program for the struggle for strengthening peace. p. 3.
Stepanov, V. - The party and communism. p. 9.
Pateckis, J. - The Great October Revolution and rapid development of the socialist nations. p. 22.
Bogomolov, A., Mol'vil', I.U., Narskiy, I. - Natural sciences and philosophical ideology. p. 34.
Malysk, A. - A great ideological legacy. p. 44.
Solodovnikov, A. - Dramaturgy and the present-day theater. p. 54.
Socialism and everyday life. p. 64.
Aleschenko, I. - The rural areas are getting well organized, its experiences and problems. p. 75.
New features in everyday life in the rural areas. p. 82.
Kuz'menkov, N. - Changes in the rural areas. p. 82.
Makov, A. - Rural construction projects of the Kostroma Province. p. 84.
Byika, N. - Trusheny today. p. 85.
Lepasaar, A. - The collective farm center. p. 87.
Gorbunov, E. - Effectiveness of accumulation and economic growth. p. 88.
Bellaev, I.U. - The economy of the member countries of the Mutual Economic Assistance Council in the new five-year plan. p. 88.
Eiashin, V. - The aggressive policy of the United States and reactionary sociology. p. 108.
Bezmyonskiy, L. - Praising words to Baron Guttenberg. p. 118.
New books. p. 127.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 41, no. 5, May 1967. [In Kirghiz]

KOMMUNIST [COMMUNIST]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 5(516), May 1967.

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 41, no. 6, June 1967.

Table of contents translated:

- Editorial: The Soviet collective farm peasantry. p. 2.
We must bring up active fighters of the party. p. 8.
Iatskovich, V. - The five-day week and its effectiveness. p. 12.
Polliakov, I. - With firm and giant steps. p. 16.

Veizbitskiy, L. - A new approach to work with the masses. p. 24.

- Lukashik, A. - Our tractor plant. p. 28.
Volynets, Ch. - Along the road of development. p. 32.
Koval'ev, I. - Cadres for the national economy. p. 35.
Kulakovskiy, A. - The pulse of time must be sensed keenly. p. 39.
D'ushenko, A. - The property of the workers. p. 44.
Machul'skiy, R. - During hard trial years. p. 48.
In the notebooks of propagandists. p. 49.
Varivonchik, V. - The authority of a leader. p. 55.
Pakhomov, N. - The ideological level of work was raised. p. 60.
We are obtaining lasting skills. p. 65.
Bogdanovich, V. - We need technological means. p. 66.
Grigor'ev, B. - The tragedy of ancient Hellas. p. 67.
People, events, and dates. p. 74.
Brief news. p. 77.
Readers' conferences. p. 79.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE] Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 41, no. 4, Apr. 1967.

Table of contents translated

- Editorial The mind, the honor, and the conscience of our era. p. 2.
The Ukrainian workers' communications to Lenin. p. 10.
Borisov, B. - V.I. Lenin and the ideological struggle in the present stage. p. 17.
Olianchuk, V. - The two lives of a village. p. 20.
In the radiant constellation of fraternal republics. p. 32.
A calendar of the events of the October Revolution. p. 42.
Years of struggles and victories. p. 44.
Let us receive the glorious anniversary the proper way. p. 47.
Andreev, A. - High development of agriculture is the basis for economic growth on collective and state farms. p. 49.
Stadnik, V. - Leisure time and ways to increase it. p. 57.
Bondar', V. - Technological progress and growth of the cultural and technological level of Soviet peasantry. p. 64.
The economic reform, experiences and problems. p. 72.
Beresheh, L. - The organization and execution of consultations. p. 83.
Zhevakhov, T. - A reference book on V.I. Lenin's complete collected works. p. 86.
Babenko, V. - We must improve the educational process in universities of Marxism-Leninism. p. 89.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 39, no. 5, May 1967.

Table of contents translated:

- Kurlov, R. - We must increase the role of the soviets of workers' deputies. p. 3.
Kochemasov, V. - A big step of Soviet Russia. p. 19.
Sura, D. - Along the road paved by Lenin. p. 27.
Grisevich, P. - Happiness of the Lithuanian people. p. 32.
Schastev, N. - Uzbekistan in the all-Union division of labor. p. 37.
Aripov, R., Mikhel'm, N. - The All-Russian Cheka, the iron hand of the proletariat. p. 44.
Zakind, M. - The struggle of the socialist revolution for the army. p. 60.
Akbarov, A. - The newspaper "Pravda" about the uprising of the Turkmen field engineers. p. 63.
Bakov, I. - The industrial basis of agricultural production. p. 68.
Kurbanov, M. - The mixed feed industry in the service of stockbreeding. p. 68.
Artykov, A., Razakov, R., Nilazov, N. - Some problems of further developing the gas industry in Uzbekistan. p. 71.
Ibragimov, R. - Important problems of rural trade. p. 72.
Dzhabbarov, I. - Sociological studies on the remnants of every-day religious life and atheist education of the masses. p. 75.
Tolgun, E. - The help of a true friend. p. 82.
Advice for a course in the "Principles of political economy." The subject: The world socialist economic system. p. 85.

MEZH DUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoyuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol. 14, no. 5, 1967.

Table of contents translated.

- Orlik, I., Razmerov, V. - European security and mutual relations between states with two different systems. p. 3.
Pantlov, I.U. - Dead end of the foreign policy of the German Federal Republic and the "big coalition." p. 12.

- Kravisov, V. - New tendencies in the Italian foreign policy. p. 20.
Nekrasov, A. - From the "big race" to the "cultural revolution." p. 28.
Shul'govskiy, A. - Arms and politics in Latin America. p. 38.
Crucial stage of the negotiations in Geneva. p. 48.
Paine Dutt, R. - The October Revolution and the general crisis of capitalism. p. 53.
Galkin, A. - The October Revolution, the masses and foreign policy. p. 60.
Zhukov, E.M. - The tempo of the development of the national liberation revolutions at the present stage. p. 70.
Tiagunenko, V.L. - Capitalist and noncapitalist development. p. 74.
Rymalov, V.V. - Economic aspects of the liberation revolutions at the present stage. p. 77.
Tuganova, O.E. - Foreign relations of the developing countries. p. 81.
Solodovnikov, V.G. - Africa facing objective difficulties and its contradictions. p. 84.
Ulanis, D.T.S. - The population growth in the developing countries and its effect on the economy of the "third world." p. 87.
Andersson, R.M. - The developing countries and foreign capital. p. 89.
Shatalov, T.M. - The scientific and technological revolution and the "third world." p. 92.
Folstikov, V. - The world revolutionary movement and present-day international relations. p. 99.
Khomyshin, G. - The crisis of bourgeois ideology in an indication of a general crisis of capitalism. p. 110.
Grebennikov, B. - New stages of socialist industrialization. p. 120.
Beglov, S. - A visit which left no doubts. p. 121.
Balsadzhanian, A. - The "EXPO-67" in Montreal. p. 122.
Vidinska, L. - The last time in Paris. p. 123.
Lugovskoi, I.U. - The echo of Quam in Saigon. p. 124.
Solntsev, V. - Gloomy prospects. p. 125.
Afim, G. - The monopolies have returned. p. 126.
Orlov, B. - Discussions in the rows of the Free Democratic Party. p. 126.
Kartsev, A. - Bowing before the masters. p. 127.
Gavriluk, B. - A political confusion. p. 128.
Chronicle of great accomplishments, December 1945-August 1948 (to be continued). p. 139.
Nikolaev, G. - The new industrial center of the Mongolian People's Republic. p. 141.
Gusev, V. - The Bulgarian press. p. 142.
Valentinov, I.U. - At the world map. The Syrian Arab Republic. p. 144.
In the notebooks of propagandists. p. 147.
Ignatushchenko, S. - Expansion of Japanese monopolies in Latin America. p. 148.
Katsman, G. - The class struggle in the countries of developing capitalism at the present stage. p. 150.
Kornil'tseva, V. - An international scholarly conference. p. 155.
Grigor'yants, R. - A study group for lecturers on international events in Moscow. p. 156.
A memorandum of the U.S.S.R. government regarding the "Operations of the United Nations on maintaining internal peace and security." p. 157.

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST].

Issued by Tsentral'nyi Komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 2, 1967.

Table of contents translated:

- Mikhailovich, A. - Life throughout a century. p. 1.
Volkov, E., Dolot, E. - At the very edge of the earth. p. 20.
Anurov, I. - Military art and scientific and technological progress. p. 31.
Chornyshyev, V. - Follow the example set by heroes. p. 32.
Grebennikov, G. - Brief news of the February Revolution. p. 40.
Makarova, N. - I, Lova and Misha, that is we. p. 60.
Doz'ukov, A. - How to "stretch" a day. p. 64.
Stytsyn, A. - Advanced joys. p. 60.
Gorelova, T. - The main educator. p. 62.
A follow-up of articles. p. 65.
Turkov, A. - The 44th oil well is increasing production. p. 66.
Filatova, N., and others. - When the new was just born. p. 74.
Platonov, K. - The science of psychology and consciousness. p. 70.
Anashenkov, B. - An ordinary man gives up. p. 83.
Kuvshinov, A. - Everybody ought to understand his tactics. p. 87.
Janke, K. - They did not bond. p. 92.
Zaitsev, V. - Cities which are sworn brothers. p. 94.
Krushinskii, A. - Marvels of the new capital. p. 100.
Rabin, A.I. - Saigon myths. p. 102.
Katsay, O. - The blue screen as a meeting place. p. 110.
Ganelina, I. - A diploma with reclamation. p. 115.
Zebzeva, A. - We are for inventiveness. p. 118.
Vinochurov, V. - Rhythm of one's life. p. 122.
Please meet Aleksandr Iakushev. p. 120.

MO'GOL'SKAA NARODNO-REVOLIUTSIONNAIA PARTI-
TIA Tsentralnyi Komitet, Informatsionnyi Bulletin'
[MONGOLIAN PEOPLE'S REVOLUTIONARY PARTY,
Central Committee Information Bulletin]. Ulan-Bator,
1952-21), 1952.

Table of contents translated
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 8

Explanation of the Mongolian Telegraph Agency.
p. 79
Letter of the Central Committee of the Mongolian
People's Revolutionary Party of June 12, 1964 to
the Central Committee of the Communist Party
of China. p. 80

MOSCOW, Ispolnitel'nyi komitet, Bulletin [Executive Committee, Bulletin], Nos. 4(610)-5(611), 9(615), Feb.-Apr. 1967.

NOVOE VREMLIA [NEW TIMES] Moscow, vol.25,
no.19(1145), May 1967

Table of contents (translated)
Editorial For a peaceful Europe p. 1.
Konev, I. S. - Recollections on the day of our victory.
p. 3
With, Alexander. - The Soviet people in war and
peace p. 5.
Traditions of the Soviet press p. 9.
Winners of Lenin prizes of peace. p. 11.
Balbekov, S. - How steel was tempered. p. 12.
Trofimova, I. - A congress of Bulgarian farmers.
p. 14.
Belov, N. - A dangerous turn in Greece. p. 15.
Berezukov, V. - Visitors from the Rhine. p. 16.
Letters to the editor. p. 17.
Shvedkov, I. U. - A new dollar invasion in Europe.
p. 18.
People and events Petrus de Jong, Ali Abdullah
al-Sallal, Hani Ison Emmanuel Tucker, Fadlala
Kellia. pp. 20, 20.
Bezmyensky, L. - The man who wanted to stop time
p. 21.
International notes. p. 23.
Opening of EXPO-67. p. 24
Malov, A. - Visiting the workers of Burma. p. 25.
Golde, Kazimierz. - Blind and deaf, a satirical
sketch. p. 30.
Rozen, V. - Why do West German newspapers vanish?
p. 31
World events. p. 32.
Conference of the European Communist and Workers'
Parties in Karlovy Vary, April 24-26, 1967.
p. 33.

Vol. 25, no. 20(1148), May 1967.

Table of contents translated

Editorial. The eternal flame. p. 1.

Against whom is the operation "Prometheus" directed? p. 2.

Svoboda, Ludvík - The Soviet Union and destinies of Czechoslovakia. p. 5.

People and events Zakir Husain; Son Sann. pp. 6, 18.

Sorokin, G. M. - Economic balance of the socialist world system. p. 7.

Tunkin, G. I. - Is the U.N. Charter out of date? p. 10.

Kelishkev, N. - Walks in Trier, a satirical sketch. p. 12.

Reginín, A. - The presidential elections in India. p. 13.

Kruglov, M. - May Day winds in Spain. p. 13.

Ts Chung Ak - Park Chung Hee was elected again in South Korea. p. 14.

Vols'ist, D. - Stepping into the 20th century. p. 15.

Cobo, Juan - Events in Bolivia. p. 17.

Butlitseki, A. - Whom will the Republicans choose? p. 19.

Letters to the editor. p. 21.

International notes. p. 22.

Solntsev, N. - Semiries of the Vietnam skies. p. 24.

Dutt, R. Palme - Where is China going? (to be continued). p. 27.

Rozen, V. - Stangl, the butcher of Treblinka. p. 30.

World events. p. 32.

Vol. 25, no. 22(1148), May 1967.

Table of contents translated.

Editorial- A congress of Soviet writers, p.1.

When there is no disagreement of interests, p.1.

Stenko, V. - The fate of Southwest Africa at the United Nations, p.4.

Elmlov, P. - Workers and politics by decree in France, p.5

Leont'ev, Al. - Slippery ladder of aggression, p.6.

Sutulin, A. - The conclusion of the "Kennedy round," p.7.

Josp Broz Tito. - Reminiscences of the Revolution in Russia, p.10.

Letters to the editor, p.13.

Vol'skii, D. - Troubled spring, p.14.

Kaspin, A. - Cuban sugar, p.17.

Khmelnitskaya, E. - A Marxist symposium in West Germany, p.18.

Trufes, a satirical sketch, p.20.

Spantari'an, V. - in the land of rubber, p.21.

Juan Cobo. - Escape from San Carlos Prison, p.24.

International notes, p.28.

Fadeltchev, E. - On the Japanese Islands, p.28.

Malskii, I. M. - "The diplomat," p.31.

World events, p.32.

Vol. 25, no. 23(1149), June 1967.
Table of contents translated:
The Middle East situation. p.1.

Voronov, A. - Greece after the coup d'état of 1924, p. 6.
Nakropin, O. - The crisis of an idea, p. 6.
Ruizgalzer, V. - New developments in the ...
European socialist movement, p. 6.
Bauri, Dolores - The October Revolution of 1917, p. 12.
Lagin, L. - What Wells saw, p. 15.
Koshunova, E. - The International Children's ...
p. 17.
Sedin, L. - The secret of numerology, p. 18.
Coba, Juan. - The plot hatched in Latin America, p. 18.
Skuratov, L. - The Katzenbach mission in Asia, p. 18.
Vizental', Simon - The involved secret of ...
Reich, p. 20.
International notes, p. 22.
Solmsley, N. - At work and in battle, p. 21.
Dull, R. Palme - Where in China going? (not ...
cluded), p. 27.
Letters to the editor, p. 29.
People and events - High Shekou, p. 31.
World events, p. 32.

PARTHA TURMUSHI [PARTY LIFE]. Inquidat, Y^u-
tral'nyy Komitet Komunisticheskoy partii P'stats-
tana [Central Committee of the Communist Party
of Uzbekistan]. Tushikoni, no. 5, May 1967

PARTIYNAYA ZHIZN' (PARTY LIFE), issued to, T's
tral'nyi Komitet Kommunisticheskoi partii SSSR
skogo Soyuza [Central Committee of the Communist
Party of the Soviet Union], Moscow, no. 7, Aug. 1957.

Table of contents is translated
About the work of the party committee of the
"Mikhailovskii" State Farm, Pechora District,
Voronezh Province, p. 3.
Admission to the CPSU and some changes in party
personnel during 1966, p. 7.
Kochlinin, A. - Intellectuals are no active force
in the building of communism, p. 9.
We must emphasize the role of proletarian vanguard
in developing socialist competition, p. 12
During the battle year of 1927, p. 20.
Efimov, L. - Organization of the trade union in the
areas, p. 30.
Fedoslaev, G. - Rendering daily support to the party
organizations, p. 43.
We must pay daily attention to the party groups, p. 48
Korotkov, S. - Directing the competition, p. 49
In the Committee of Party Control attached to the
Central Committee of the CPSU, p. 51.
Klimovsk, V. - Amateurs and specialists and the
education of the masses, p. 52.
Markov, I. - Whistle on ship duty in foreign waters
p. 58.
The realization of obligations should be controlled by
the party, p. 61.
Tadling according to glorious traditions, p. 64
The party organizations of institutions, p. 62.
The bureau of the city committee is submitting the
annual report to the Plenum, p. 63.
Generalizing the work experience of the enterprises
p. 63.
Striving for high labor productivity, p. 64.
Preparing for work under new conditions, p. 64
Progressive experience in being supported, p. 64
A round scientific conference, p. 66.
Kruglin, G. - From man to man, p. 66.
Belofelski, A., Kulsh, L. - We cannot let down the
workers, p. 70.
Nazanova, G. - Do we need a list? p. 70.
Ernakova, N. - We are not satisfying the conditions,
p. 71.
Vydrakov, V. - We must organize the training of
party bureau members, p. 72.
Nobos'ko, R. - About fact, p. 72.
The province committee is explaining its position
p. 73.
"A violation of the trade-union democracy, p. 73.
The guilty persons have been punished, p. 74.
Transportation has improved, p. 74.
The building of the club is planned, p. 74.
Kirsanov, V. - Loyalty to the revolutionary tradition
travel notes, p. 75.
Current admission to higher party schools, p. 80.

PARTHNAIA ZHIZN' [PARTY LIFE]. Issued by Tsentralnyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 10, no. 5, May 1967.

Table of contents translated:
The Seventh Plenum of the Central Committee of the
Communist Party of Uzbekistan, p. 1.
Editorial: The trade unions are schools of communism,
p. 2.
Return of the leader, p. 7.
Alamirzaev, K. - V. I. Lenin on war and revolution,
p. 15.
Abdullanova, R. - Successors to the fathers' glory, p. 17
Saitkhov, Kh. - Party leadership is the basis of suc-
cess, p. 20.
Uvarov, N. - Noble duty of the printing industry
workers, p. 26.
Admission to the CPSU and some changes in party
personnel during 1966, p. 32.

- Tursunov, M. - We must improve the work of the people's controllers. p. 35.
- Usmanov, K. - Today and tomorrow of the Karshi Deseil. p. 41.
- Chekin, P. - To check means to help. p. 45.
- Rurbaev, T. - The city committee and local party organizations. p. 50.
- Uf'dzhaev, A., Vital'ev, K. - The methods of training personnel have been improved. p. 54.
- Gugunov, V. - Instructors are exchanging experiences. p. 56.
- TSarenko, V. - A powerful accelerator. p. 62.
- Vlterhuk, E. - Party assignments. p. 66.
- In local party organizations. p. 71.
- New regulations on work and rest. p. 74.
- Babakhanov, I. - Propagandists are educators and organizers. p. 77.
- Palatski, B. - The first steps of political lecturers. p. 80.
- Abdusamedov, A., Gillin, S. - International training of students. p. 82.
- Kuiguzov, I. - He stormed the Reichstag. p. 86.
- The virgin soil is calling for heroic deeds. p. 89.
- Mamadaliyev, Sh. - The chairman. p. 89.
- Moloz, I. - From the counter to the reader. p. 92.
- A follow-up of articles. p. 94.
- PARTIINAYA ZHIZN' KAZAKHISTANA [PARTY LIFE OF KAZAKHISTAN].** Issued by Tsentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 37, no. 5, May 1967.
- Table of contents translated:
- Liditski, Preparations of the rural toilers for the anniversary of the October Revolution. p. 3.
- Kovalev, P. - A five-day work week. p. 7.
- The Hysly River region in the anniversary year. p. 12.
- Daydov, N. - The city committee keeps the Communists informed. p. 18.
- Lepesov, Zh. - In search for new methods. p. 22.
- Skorikov, N. - The land and the people. p. 25.
- Chalko, V. - The instructor of the party committee. p. 29.
- Balkenev, M. - The mission of a Communist. p. 33.
- Stepanov, V. - Time and the style of work. p. 37.
- Golovin, A. - The party committee and the reform. p. 42.
- Likhaichev, IU. - The party committee and labor discipline. p. 47.
- Sivets, P. - Activists are in training. p. 52.
- Kutrzhanov, E. - Starting a biography. p. 54.
- Half a century ago. p. 58.
- Kotov, K. - V. I. Lenin and Kazakh statehood. p. 61.
- Lekalov, N. - Study methods in elementary political schools. p. 65.
- Answers to questions. p. 67.
- Vladimirov, V. - The theater has the last word. p. 69.
- Uselacov, K. - The correspondent and his influence. p. 74.
- 10,000. p. 76.
- Irly news. p. 79.
- We received these answers. p. 80.
- PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]** Prague, vol. 10, no. 5 (105), May 1967.
- PYTANNIA NAUKOVOHO KOMUNIZMU [PROBLEMS OF SCIENTIFIC COMMUNISM].** Kiev, no. 1, 1966.
- Table of contents translated:
- Kolobkov, V. V. - V. I. Lenin on the revolutionary creative activity of the masses. p. 3.
- Ilievskiy, B. A. - Increased participation of workers in the management of industrial enterprises in the present-day phase of the building of communism. p. 17.
- Horshilov, M. L. - Prospects for the development of social division of labor during the transition to communism. p. 31.
- Vasylets', I. P. - Role of the socialist principle of distribution in developing a communist attitude toward work. p. 44.
- Pas'ko, N. I. - Characteristics of present-day scientific and technological progress. p. 58.
- Kosolapov, L. V. - Present-day scientific and technological revolution and militarism. p. 72.
- Slipchenko, O. S. - Place and role of the nationalities problem in social process. p. 85.
- Horpyenko, O. M. - Spiritual amalgamation of socialist nations during the building of communism. p. 97.
- Korolik, B. L. - The role and place of independent organizations in the system of local self-government. p. 112.
- Romanovskiy, L. M. - Developing the spiritual interests of young people during the building of communism. p. 130.
- Nenzluk, K. I. - How scientific ideology affects the labor productivity of collective farmers. p. 144.
- Novytskiy, M. N. - V. I. Lenin on the protection of the workers' health. p. 158.
- Rechmedina, N. H. - Vitality of V. I. Lenin's ideas of the increasing creative activity of the laboring classes. p. 165.
- Kysel'ova, N. K. - The building of communism and the spiritual development of the individual. p. 177.
- RUSSKOE DELO. RUSSIAN CAUSE.** Issued by Predstavitel'stvo rossijskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vol. 9, no. 5 (101), May 1967.
- SVOBODNYI KAVKAZ. THE FREE CAUCASUS.** Munch, vol. 4, no. 1 (24), Mar. 1964.
- UKRAINS'KYI SAMOSTIYNK [UKRAINIAN INDEPENDENT].** Munch, vol. 17, no. 12 (500), Dec. 1966; vol. 18, no. 4 (510), Apr. 1967.
- VISNYK, THE HERALD.** Organ of Organizatsiia oborony chotyri'okh svobod Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol. 21, no. 6 (220), June 1967.
- VOPROSY ISTORII KPSS [PROBLEMS IN THE HISTORY OF THE CPSU].** Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the CPSU]. Moscow, vol. 11, no. 4, Apr. 1967.
- Table of contents translated
- Artem'ev, S. A. - How V. I. Lenin developed the idea of a "republic of the soviets" in his "April theses." p. 3.
- Shapko, V. M. - V. I. Lenin and the establishment of the principle of democratic centralism in the development of the Soviet state. p. 15.
- Vodolagin, V. M. - Description of the armed uprising in October 1917 in the literature on the history of the party published in the first ten years of Soviet rule. p. 31.
- Bystykh, F. P. - How the Bolsheviks of the Ural Mountain region led the masses during the struggle for the rule of the soviets. p. 47.
- Trifonov, I. A. - Problem on the New Economic Policy and the new bourgeoisie. p. 50.
- Koslin, A. F. - The first volume of the "History of the CPSU" on trial before bourgeois critics. p. 70.
- Minaev, L. M. - International significance of the strategy and tactic of the Communist Party of the Soviet Union. p. 77.
- Novoselov, S. P. - Leninist theory of the role of the party is a powerful ideological weapon in the struggle for the unity and solidarity of the international communist movement. p. 90.
- Kolesnikov, A. K. - Observance of the Leninist principles of guidance ensures success in the struggle for the general line of the party. p. 102.
- Lukashov, A. V. - How the Bolsheviks of Presnya District struggled for the Leninist line in the revolution. p. 114.
- Gebel'ski, Z. V. - We should correct this error. p. 119.
- Prikladnikova, A. I. - Reminiscences about V. I. Lenin. p. 120.
- Articles on the history of Communist parties published in foreign periodicals. p. 143.
- Documentary materials and articles on the history of the CPSU and the international communist and labor movement published in February 1967 in periodicals, bulletins, and scholarly serials. p. 144.
- The 50th anniversary of the publication of V. I. Lenin's work "Imperialism as the highest stage of capitalism." p. 148.
- Simonian, M. N. - A conference devoted to the 50th anniversary of the October Revolution. p. 152.
- Brief news. p. 155.
- Vol. 11, no. 5, May 1967.
- Table of contents translated:
- The party was the organizer of the victorious uprising. V. I. Lenin's plan of the armed uprising. p. 3.
- Rasirigin, A. F. - Revolutionary committees in the struggle against the economic counter-revolution, August-September 1917. p. 18.
- Grishnev, V. V. - Efforts of the Bolsheviks to ensure the support of the peasantry during the elections to volost' zemstvos, August-October 1917. p. 30.
- Fedotov, A. I., Vatulin, D. N. - Problem of lax in kind and the tax policy of the party. p. 41.
- Bellantsov, E. I. - Some remarks relating to the discussion of the problems of the New Economic Policy. p. 61.
- Gindis, A. M. - History of the party's struggle for the restoration and reconstruction of the petroleum industry in Azerbaijan, 1921-1925. p. 63.
- Voskresenskiy, IU. V. - History of the defeat of the "New opposition" led by Zinov'ev. p. 82.
- Deborin, G. A. - International significance of the building of communism in the U.S.S.R. p. 72.
- Leok, N. V. - A. S. Enukidze on the 90th anniversary of his birth. p. 83.
- Uroeva, A. V. - How they established the fact that the first French edition of "Das Kapital" was reprinted. p. 88.
- Trzaskovskiy, V. V. - Our "Pravda," the newspaper of workers. p. 91.
- Perevozov, A. D. - Problem of V. I. Lenin's conception of the "revolutionary situation." p. 94.
- Andriushenko, M. T. - Problem of the "revolutionary situation." p. 100.
- Romanov, A. N. - Periodical publications of the Communist Youth League in 1918-1920 as a source of history. p. 105.
- Articles on the history of Communist parties published in foreign periodicals. p. 135.
- Documentary materials and articles on the history of the CPSU and the communist and labor movement published in March 1967 in periodicals, bulletins, and scholarly serials. p. 139.
- Milin, M. A. - A conference on the international significance of the Great October Socialist Revolution. p. 142.
- Stepov, L. A. - A session devoted to the 50th anniversary of the February Revolution. p. 145.
- Dzrubenko, P. V. - A conference of our readers in Rostov-on-Don. p. 149.
- Our readers' suggestions. p. 151.
- Brief news. p. 155.
- 7. LAW**
- LATVIAN S.S.R. Augslika Padome, Zinatajs [Supreme Soviet, Gazette].** Riga, vol. 25, nos. 14 (2207)-20 (2213), Apr.-May 1967.
- LITHUANIAN S.S.R. Lietuvos Taryba Socialistines Respublikos Auksiausiosios Tarybos ir Vyriausybės zinios [Gazette of the Supreme Soviet and the Government of the Lithuanian S.S.R.].** Vilnius, nos. 12-14, Apr.-May 1967. [in Lithuanian]
- LITHUANIAN S.S.R. Vedomosti Verkhovnogo Soveta i Pravito'stva Litovskoi Sovetskoi Sotsialisticheskoi Respubliki [Gazette of the Supreme Soviet and the Government of the Lithuanian S.S.R.].** Vilnius, no. 12, Apr. 1967.
- RADIANS'KE PRAVO [SOVIET LAW].** Organ of Verkhovnyi Sud USSR [Supreme Court of the Ukrainian S.S.R.] and others. Kiev, vol. 30, no. 4, Apr. 1967.
- Table of contents translated
- Nazarenko, I. E. - Theoretical problems in V. I. Lenin's work "The state and the revolution." p. 3.
- Monastyrskiy, I. E. - Leninist principle of material and moral incentives for work. p. 8.
- Day of the Soviet Press. p. 13.
- Oyodorina, M. - History of the family law of the Ukrainian S.S.R. p. 16.
- Skibitskiy, V. - New members of the soviets. p. 21.
- Kulakova, A. - Increased role of the local soviets in the organization of services for the people. p. 28.
- Fedchishyn, M. - Cultural and educational work of the local soviets. p. 29.
- Polutanov, B. - Rural committees make decisions on the problems of great importance. p. 31.
- Kats, S. - Characteristics of the higher court's right to change a judicial decision and to render a new one in the process of reviewing a case. p. 33.
- Mishuris, M. - Some problems concerning liability for work injuries. p. 37.
- Shevchenko, IU. - We should define more exactly article 42 of the criminal code of the Ukrainian S.S.R.
- S
- S
- S
- C
- Si
- P
- D
- T
- C
- L
- M
- M
- Sh
- St
- Z
- B
- D
- K
- B
- K

- Fedorov, V. - Physical education; a review of the press. p.10.
- Novoselova, S. - Early stages in the development of thinking. p.22.
- Kul'chitskaya, E. - Development of emotions. p.25.
- Nel'mark, M. - Development of personality. p.27. Pages out of childhood. p.31.
- Shishkina, L. - The beginning of a tragedy. p.39. Let them grow up healthy. p.44.
- Efimova, E. - Who is at fault? p.49.
- Safonova, L. - The mother of Communists. p.52.
- Yur'yshkina, L. - Role of children's books in the development of emotions. p.55.
- Nikolaiicheva, A. - We are teaching children to tell stories. p.60.
- Vasina, A. - Five questions on meates. p.62.
- Ivanova, S. - How to develop speech hearing. p.64.
- Stakhovskaya, S. - Development of children's speech. p.70.
- Bugreeva, M. - On the Volga. p.73.
- Shteyn, Z. - House plants in spring. p.74.
- Bykov, B. - Stories about flowers. p.78.
- Turov, A. - Memory. p.80.
- Zvereva, O. - Genuinely and with love. p.87.
- Kapustin, F. - When mother works. p.89.
- Ginkovitch, S. - A source of happiness. p.88.
- Teachers are studying. p.90.
- Logina, S. - Conference on Moral Education. p.93.
- Dasov, V. - Pre-school education and the budget. p.95.
- V. I. Lenin on the work of the Soviet apparatus. p.98.
- Mikhalkova, L. - In the People's Republic of Bulgaria. p.101.
- Batnina, E. - Better toys for children. p.106.
- Shut, M. - Small admits. p.108.
- Raditsin, B. - A despot. p.110.
- Untsevlch, V., Golovonchits, B., Sidel'nikova, M. - Does this happen at your place. p.110.
- Aksol'tod, E. - Grigore Viera. p.122.
- Musical games. p.124.
- KAZAKHSTAN MEKTEBI [KAZAKHSTAN SCHOOLS]** Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol.42, no.4, Apr.1967. [In Kazakh]
- KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]** Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol.20, no.5, May 1967
- LITERATURA PO PEDAGOGICHESKIM NAUKAM I NARODNOMU OBRAZOVANIU [LITERATURE ON THE PEDAGOGICAL SCIENCES AND PUBLIC EDUCATION]** Issued by Gosudarstvennaya biblioteka po narodnomu obrazovaniiu [State Library of Public Education]. Moscow, no.1(62), 1967.
- NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]** Issued by Ministerstvo osvycheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.35, no.4, Apr. 1967.
- Table of contents translated
- Krupskaya, N.K. - V.I. Lenin and problems of public education. p.2.
- Krupskaya, N.K. - How and what to tell the school-children about Lenin. p.7.
- Semenov, I.I. - Working with the photographs of Lenin. p.10.
- Great is the road of our people. p.14.
- Sorotskaya, O.N. - In honor of the victory of the October Revolution. p.17.
- Telegin, K.K. - Space is opened to man. p.20.
- Agelkin, I.A., Rakilechenko, G.N. - Analyzing the language and contents of lyrical poems. p.28.
- Terekhova, T.G., Todorova, F.V. - Combined exercises. p.32.
- Kustaiava, V.A. - Reviewing the material covered in preceding Russian language lessons, the 3d grade. p.36.
- Shushpanov, G.T. - Doubtful consonants; 1st grade. p.41.
- Kozlova, V.P., Orlov, A.G. - Unstressed vowels, 2d grade. p.41.
- Doroshenko, N.I. - Teaching and checking through dictation. p.45.
- Utkina, N.G. - Reviewing covered material in arithmetic. p.46.
- Golynskii, L.B. - Giving a rudimentary knowledge of electric engineering in the solving of problems in arithmetic. p.49.
- Dorofenko, E.I. - Arithmetic dictation as a means of checking the aptitude in mental arithmetic. p.52.
- Utkin, I.B. - Mental arithmetic on everyday themes. p.52.
- Shuraeva, V.N. - Who can do it faster? p.54.
- Terekhova, T.G., Simshikova, G., Nikitina, N.K. - Test papers: the Russian language. p.55.
- Buitova, M.A., Bel'tukova, G.V. - Test papers: arithmetic. pp.63,61.
- Man'kova, A.E. - Education of athletes. p.67.
- Urtskii, N.Z. - Antireligious movies and filmstrips. p.69.
- Golub, B.A. - Acquainting the pupils with machinery. p.72.
- Kolikov, A. - Ways of perfecting the teaching of elementary mathematics. p.77.
- Tel'turev, V.A. - Spring observations of nature: water measurers. p.79.
- Literary and musical composition on the theme "Lenin and children."
- NARODNAIA ASVETA [PUBLIC EDUCATION]** Organ of Ministerstvo osvycheniia RSFSR [Ministry of Education of the White Russian S.S.R.]. Minsk, no.5, May 1967.
- NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]** Issued by Ministerstvo osvycheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no.4, Apr. 1967.
- Table of contents translated
- A great example in struggle, work and life. p.2.
- Further improvement of the activity of the V.I. Lenin All-Union Communist Youth League in the leadership of the V.I. Lenin All-Union Pioneer Organization. Decision of the 2d plenum of the Central Committee of the V.I. Lenin All-Union Communist Youth League. p.6.
- Dautov, V. - Friendship of schools. p.13.
- Sapozhnikov, I.A., Osipov, K. - Five-year experience. p.16.
- Good initiative and useful work. p.17.
- Kozlovskii, S. - An institute helps the schools. p.18.
- Levshin, A. - Questions of educational experience. p.20.
- Papernata, G. - Secrets of skill and perfection. p.30.
- Klitzova, A. - Let the word be accompanied by thought, the thought by feelings. p.37.
- Fumantuk, V., Kolobashkin, N., Borodina, A. - The role of space perception. p.39.
- Sukhomlinskii, V. - Studies on communist education (continuation). p.44.
- Iugolovtch, A. - Development of cognitive interests. p.51.
- Khor'kov, K. - Music and the development of moral traits. p.57.
- Malygin, V. - Young hunters with cameras. p.60.
- Zakhebnii, A. - A school in a northern region. p.63.
- Why confuse it? p.67.
- Medvedev, V. - Rally of young efficiency promoters. p.68.
- Furmanov, B. - All advantages. p.70.
- Zavudskii, A. - Give the evening schools technical aid too. p.73.
- Vagin, V. - In skilled hands. p.76.
- Kuznetsov, V. - Unused potentialities of pedagogy. p.78.
- Anshov, M. - Knowledge and consciousness. p.81.
- Margulis, D. - The teacher of the school at Longjumeau. p.84.
- Volkov, G. - The story of one of V.I. Lenin's telegrams. p.90.
- "Toward new likes and studies, young students of local lore!" School excursions. p.93.
- Knapin, N. - Establishment of the Union of Workers in Education and Socialist Culture. p.95.
- Ginsburg, Z. - "Radishchevka." p.97.
- Kasvin, G., Savina, A. - Pioneers of the socialist countries. p.103.
- Popko, V. - The youth movement and the teacher. p.111.
- News in education; from various countries. p.112.
- Read this in periodicals! p.120.
- Makshmutov, M. - Educating an intellectually active personality (to be continued). Insert.
- RADIANS'KA SHKOLA [SOVIET SCHOOL]** Organ of Ministerstvo osvycheniia Ukrain's'koi RSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol.45, no.4, Apr. 1967.
- Table of contents translated:
- Malanchuk, V.I.U. - V.I. Lenin on the role of science in socialist society. p.1.
- Paperna, H.O. - N.K. Krupskaya, the theoretician and organizer of the Pioneer movement in the U.S.S.R. p.9.
- Rozhkov, I.I. - Educating schoolchildren through the example of the heroic past of their countrymen. p.14.
- Vol'tov's'kyi, B.I. - Give the schools our constant attention and support. p.21.
- Fedorova, V.M. - Independent work of students during the study of subjects in natural sciences. p.28.
- Stef'nakhovich, M.H. - Let us familiarize each teacher with the achievements of pedagogical science. p.33.
- Bachyn's'ka, T.O. - Developing individual characteristics in work. p.37.
- Nechyporuk, Z.S. - Development of vocational interests in senior students during chemistry and physics classwork. p.41.
- Kantorovich, N.I.A. - Interschool vocational orientation center. p.47.
- Musialyk, L.L. - Experience in training students in pedagogical institutes for vocational guidance work in schools. p.48.
- Cherkashyn, L.V. - Economic questions of general secondary education. p.49.
- Skrypchenko, N.F., Telehan', H.T. - Review lessons in the 3d grade on the theme "Lenin is with us." p.55.
- Horina, K.U., Zorina, K.M. - Differential teaching and information feedback in the work with first graders. p.60.
- Sav'uk, T.M. - Work with stained glass in manual training classes. p.65.
- Perelystia, V.P. - Inculcating the traits of simplicity and modesty in youth. p.67.
- Ahlan'kova, M.H. - Strength of mutual trust. p.71.
- Min'kiva'kyi, O.Z., Ilyukov, L.A. - Educating with a song. p.78.
- Zatuzhko, S.I. - Developing aesthetic feelings. p.79.
- Testenko, I.F. - Proposed program in mathematics. p.83.
- Stankovych, A.L. - Proposed program in geography of the Ukrainian S.S.R. p.85.
- Otkalenko, M.P. - Regional principle in the teaching of geography. p.89.
- Itel'son, I.E.I. - Imitative reproduction of linguistic material. p.94.
- Nikolenko, M.A. - Development of inventive capacities. p.97.
- Zakharenko, O.A. - Device for remote control of a filmstrip projector. p.103.
- Navozenko, V.I. - Universal device for practical work in the field. p.105.
- Ponomareva, R.O. - First Ukrainian Conference on the Questions of Vocational Guidance of Youth. p.110.
- To help the schools. pp.66, 62, 109.
- RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Biblioteka [Ministry of Higher and Secondary Specialized Education, Bulletin].** Moscow, no.5, May 1967.
- SEMIA I SHKOLA [FAMILY AND SCHOOL]** Issued by Akademiiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol.21, no.10, Oct. 1966.
- Table of contents translated:
- Those who face the morning. p.1.
- Pluchuk, Ljudmila. - The noble heart of Sergo. p.2.
- Prilezhaeva, Mariia. - Inadmissible methods. p.4.
- Tsentsiper, M. - "Please, do not blame Lusia." p.8.
- Geibov, V. - "Is everything within the grasp of the little one?" p.12.
- Barbus, Ljudmila, Margachev, Laza. - Boys as they are... p.14.
- Zinov'eva, A. - Is nearsightedness an inevitable evil? No! p.17.
- Kondrashov, V. - Why? p.18.
- Consultation center of "Semia i shkola." p.19.
- Uvarova, Ljudmila. - Let's play with blocks, a story. p.20.
- TSyferov, G. - The fate of a rural teacher. p.24.
- Perfil'evskaya, D. - The duties of the parents' committee. p.26.
- For everyone, together. p.27.
- Rosikovskii, I. - Man and his wings. p.29.
- Terskil, V. - A group of those who hold the same views. p.31.
- Iur'chenko, F. - Attention, children! p.32.
- Boguslavskii, Semen. - During the lesson. p.34.
- Kozhevnikov, P. - Two cities are competing. p.35.
- Azovskii, A. - When the mother makes a mistake... p.36.
- Znamiatina, F. - In defiance of nature. p.37.
- Fomnykh, I., Pogodin, M. - "Behind the of the cigarette," readers response. p.38.
- Matlukhin, A. - "Love or let it." p.39.
- Ocinakonskaya, L. - "Gifts," a review. p.40.
- Babarykina, A. - W. Kuzmina, E. - To the Zverev, Maksim. - story about the Aleksandrov, B. - H. Zorin, V. - While in Starikovskii, S. - O. Motl, I.U. - For those Toffi. - The girls; Sandomirskii, I. - T. Vladimirova, Inna. -
- Vol. 22, no.3, Mar. 1967
- Table of contents
- They gave their lives. p.4.
- Gazarin, S. - Let problem. p.4.
- Mikhailova, V. - At Our mothers. p.7.
- Fainberg, S. - The Miris, Anna. - Ed. Vladimir Marmazin a story. p.11.
- Zav'ialova, N. - TI Consultation center. p.12.
- Prokhanov, A. - A Gallanova, K. - In Rina Kovalenko. - Knapina, V. - Why Bnev, I. - Let the a continued, p.24.

- Torlina, T. - Generosity. p. 26.
 Botlakova, L. - To what to devote your life? p. 28.
 Berdyshev, V. - The orbit of "Sputnik" p. 30.
 Kondrashov, V. - How to educate the wolf, Natasha is speaking. p. 31.
 Grintina-Zenskova, A. - Can one teach love? p. 32.
 We think this way... p. 34.
 Kabalevskii, D. - Musicians are the coauthors of engineers. p. 42.
 Kanevskii, S. - Plant a habit and harvest character. p. 44.
 Aréstova, M. - It is bitter without that. . . p. 46.
 Mishukhudinova, N. - Desire plus imagination. p. 47.
 Zamiatin, I.U. - Lebedeva, M. - With motherly concern. p. 47.
 Our picture gallery. p. 49.
 Arkadii Vaksberg. - On the sunny coast. p. 50.
 In family leisure time. p. 53.
- SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY].** Issued by Ministerstvo prosvoshchenta RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 11, no. 1, Jan. 1967.
 Table of contents translated:
 Pirogov, M.A. - Polytechnic and manual training of schoolchildren. p. 6.
 Ivanov, M.T. - Incultation of work habits in rural schools. p. 9.
 Zharikov, S.M. - Creative work of students in stock-breeding. p. 13.
 Belkova, L.K. - Classes in sewing. p. 16.
 Zaplavin, V.M., Kozlov, A.G. - The subject system of planning the training of students in workshops. p. 20.
 Komissarov, V.N. - Various forms of vocational orientation. p. 27.
 Domukhovskii, V.N. - Give the younger schoolchildren a knowledge of the graphic arts. p. 30.
 Sal'nikov, M.G. - Methodology for the study of assembly drawings. p. 34.
 Nikolayev, N.S. - Drawing contests in Yakutia. p. 40.
 Podavalov, A.M. - A school club for young technicians. p. 41.
 Golachev, G.I.A. - A vise with a rotating device. p. 42.
 Shabarov, I.U. A. - Model for the demonstrating of sections. p. 47.
 Ladn, Stanislav. - A device for the sharpening of planing blades. p. 47.
 A device for hole cutting. p. 49.
 Baiteva, V.S. - Young railroadmen. p. 50.
 Andrianov, P.N. - Exhibition "Children's creative work in the U.S.S.R." p. 60.
 Kamyshko, M.A. - A review of young innovators in Moscow. p. 65.
 Shastov, A.S. - Review of the work accomplished in four years. p. 69.
 Postler, Fred. - Studying we are working, working we are studying. p. 69.
 Lange, Wilfried, Wettels, Gunther. - The ties of schools with life. p. 70.
 Our scientists and technologists. p. 74.
 Makarova, P.I., and others. - Our best people. pp. 19, 26, 68, 71.
- Vol. 11, no. 3, Mar. 1967.
 Table of contents translated:
 Schools of general, trade, and vocational education. p. 3.
 Vorob'ev, A.I., Ljarskii, S.A. - Technical simulation is the most important means of polytechnic training of students. p. 7.
 Stasenko, V.S. - Acquainting the students with forging and founding. p. 13.
 Evgrafov, V.F. - Acquainting the students with founding processes. p. 16.
 Gusev, E.P. - Give experimental and practical work a high theoretical standard. p. 21.
 Bugakov, A.V. - In the Pervonaysk Educational Combine. p. 24.
 Pal'tseva, A.N. - Organization of manual training of senior students in rural schools. p. 31.
 Kitaev, I.G. - Work mechanization on the experimental lots of schools. p. 34.
 Iushko, G.I. - Sewing in school. p. 42.
 Gerver, V.A. - Problems involving the preparation of complex drawings from disconnected fragments of the originals. p. 45.
 Szepelkowski, Antoni. - Technical drawing in the 8th grades of secondary schools. p. 50.
 Dembinskii, S.I. - Instruction sheets for decorative drawing. p. 53.
 Mukin, A.F. - Motion pictures during drawing instruction. p. 54.
 Mamaev, N.N. - Visual instruction aids in mechanical engineering. p. 56.
 Shuln, I.E. - Profile cutting tool for the manufacturing of wooden handles. p. 58.
 Chirkov, V.F. - Attachment for planing without preliminary layout. p. 58.
 Mirofanov, N.M. - Disc schema. p. 61.
 Gorelov, V.A. - Influence of manual training on the students' technical creativity. p. 64.
 Volchanskii, A.A. - A mechanical janitor. p. 66.
- Bushnitch, G.A., Bodurkova, Z. F. - Practical training in industrial plants. p. 67.
 Andrianov, P.N. - Notes on the manual training of students in the United States. p. 69.
 Frankewitsch, Helmut. - Technological progress and polytechnic education. p. 71.
 Stenzel, Waltraud. - Working with a textbook. p. 72.
 International Polytechnic Seminar in Hungary. p. 73.
 Scientists and technologists. p. 78.
- SOVET MEKTEBE [SOVIET SCHOOL]** Organ of the Ministry of Education of the Tatar A.S.S.R., Kazan, no. 6, June 1967.
- SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY].** Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 31, no. 4, Apr. 1967.
 Table of contents translated:
 Krutova, O.N., Krutov, N.N. - V.I. Lenin on the active role of morality. p. 3.
 Korolev, F.F. - The socialist revolution and education. p. 16.
 Ivanova, O.I. - Soviet trade unions and the children's education. p. 39.
 Kostishkin, E.G. - The family and the extended school day. p. 47.
 Makarovskaya, A.P. - Guidance of the Pioneer's self-education. p. 58.
 Kildishev, I.A.S. - International ties of schools. p. 65.
 Mel'nikov, M.A. - Electives. p. 70.
 Bokovnev, O.A., Monakhov, V.M. - Electives in mathematics. p. 75.
 Kosova, G.R. - Bring art to schools. p. 82.
 Kviatkovskii, E.V. - Means of developing the aesthetic views of students. p. 89.
 Medvedev, V.M. - Contents and organization of elective courses in electronics and radio engineering. p. 90.
 Tugailov, V.P. - Personal and social values. p. 110.
 Merlina, V.S., Klimov, E.A. - Means of developing an individual style of activity during the educational process. p. 110.
 Shibanov, A.A. - Simulation in education. p. 119.
 Gurevich, L.I. - Combination of Gorkil's optimism with strict requirements in A.S. Makarenko's educational work. p. 127.
 Ivanovich, K.A. - Incultation of work habits and vocational guidance in the schools of socialist Yugoslavia. p. 133.
 Education abroad: according to TASS Agency materials. p. 143.
 In the Department of Didactics and Methodology of the Academy of Pedagogical Sciences of the U.S.S.R. p. 153.
 Defense of a dissertation. p. 156.
 B.P. Esipov, an obituary. p. 158.
- SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION].** Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 13, no. 10, Oct. 1966.
 Table of contents translated:
 Greater attention to the students' physical education. p. 1.
 Shvelsov, S. - Nobody and nothing are forgotten. p. 5.
 Pazich, P.L. - The Latvian S.S.R. p. 9.
 Sokolovskaya, T.G. - An interesting way of education and training. p. 13.
 Rotman, I.A. - Acoustics in mechanical drawing. p. 16.
 Trofimov, F.A. - Study of safety techniques in classes on technical mechanics. p. 23.
 Samokhotskii, I.A. - Reflections about examinations. p. 25.
 Krupnik, E.E. - Our experience in project work for credits in the machine parts course. p. 26.
 Antonov, A.F. - Experience in manual training instruction. p. 28.
 Sergeev, A.N. - In the auditorium an innovator of industry speaks. p. 31.
 Iankina, A.A. - Experimental works in agricultural schools. p. 33.
 Pentturi, V.S. - A programmed quiz by use of the luminescent method. p. 35.
 Grigor'ev, I.I., Volynets, E.E. - Feedback relation in the resident training of the groups of correspondence students. p. 39.
 Kolmakov, A. - An effective form of the communist education of youth. p. 41.
 Levi, I.Z. - Aesthetic education during classes in physics. p. 43.
 Lushchitskii, A. - Sports and education. p. 45.
 Almazov, B. - A vacation in the "country of Seligraia." p. 46.
 Vakhilov, I.K. - Generalizing the experience in teaching social sciences. p. 48.
 Brukman, M.S. - On the criteria of grading the knowledge and skills. p. 50.
 The newspapers report. p. 55.
- Vol. 14, no. 3, Mar. 1967.
 Table of contents translated:
 Vinogradova, A.A. - High appreciation. p. 1.
 Alov, Ch. - The Taimen S.S.R. p. 6.
 Nasonova, M.A. - The days of his youth. p. 9.
 Council of directors of technical and vocational schools. p. 12.
 Agamalyov, V.M. - Diploma projects or state examinations? p. 14.
 Znamenskii, I.U.P. - Use of television in educational work. p. 16.
 Iadov, V.M. - Equipment of study rooms. p. 19.
 Dantlonko, V.N., Ivanov, V.M. - A class of programmed instruction. p. 20.
 Bunim, D.N., Minishkii, N.V., Frutkin, A.M. - Use of programmed instruction and knowledge check in physics classes. p. 21.
 Lebedeva, V.K. - Athletic education in the Moscow Pedagogical School No. 3. p. 29.
 Ruchinskaya, E.A. - Using the creations of art in literature classes. p. 29.
 Savel'ev, V.I. - Province student conferences. p. 31.
 Grishin, B.N. - Incultate the habits of independent work in students. p. 33.
 Cheinlavskii, I., Seipokyt, V. - A review and exhibition of the results of work. p. 33.
 Mitraeva, V.G. - Developing the students' independent work habits in history classes. p. 36.
 Krivoson, A.N. - Teaching students to work with newspaper material. p. 38.
 Shvetsov, S. - Her vocation. p. 40.
 Vasin, I. - Some of the best. p. 42.
 Iatsenko, V.E. - Friendly encounters. p. 45.
 An exhibit of technical creations. p. 50.
 Almazov, B. - Medical school no. 18. p. 53.
 Severikova, N. - Ludwig van Beethoven. p. 55.
- VECHERNIAIA SREDNIAIA SHKOLA [EVENING SECONDARY SCHOOL].** Issued by Ministerstvo prosvoshchenta RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 10, no. 2, Mar.-Apr. 1967.
 Table of contents translated:
 Fifty great years. p. 3.
 On the anniversary of the Soviet regime. p. 5.
 Mustafaev, M.A. - Schools of Baku are preparing for the glorious anniversary. p. 7.
 Zheimbrovskii, P.F. - The undying traditions of "Krasnaya Piesnya." p. 12.
 Gorkhol'skaya, E.A. - "Toward the dawn (the year 1917)." From the cycle "Living pages of history." p. 14.
 Kashin, M.P. - On the level of new demands. p. 10.
 Balov, N. - General education for deaf adults. p. 33.
 Shmorgun, V.K. - On the road to authority. p. 38.
 Mekhtikhannov, N.R. - A new contingent means new worry. p. 41.
 Laimolinskii, V.V. - A teenager has come to school. p. 43.
 Barkov, A.S. - Mariia Nikolaevna. p. 46.
 Alekseeva, N.D. - To assist the teacher of biology. p. 48.
 Mishina, N.V. - Development of a concept of metabolism in the course "Anatomy, physiology and hygiene of man." p. 52.
 Titov, A. - Unusual rivers and lakes. p. 58.
 Sheviakov, F.N. - Entertaining exercises in geography. p. 60.
 Ozoln'sh, E.R. - An exhibition of visual teaching aids in geography. p. 66.
 Zubenko, V.V. - A geographical contest. p. 67.
 Ventskovskii, L.A. - Dissertations on the methodology of scholastic subjects. p. 68.
 Belkin, E.L., Burkat, A.I., Sukachev, L.A. - Statistical knowledge check with the help of technical aids. p. 71.
 Gubatulina, I.A. - Work methodology in speech situations. p. 73.
 Chepurnyi, G.A., Izbesitskii, I.L. - How we inculcate advanced experience. p. 78.
 Borzin, E. - The first steps of proletarian democracy. p. 80.
 Mel'nikov, A.S. - Demonstration of standing waves. p. 84.
 Sokolova, A.V. - Results of test papers in mathematics. p. 93.
- VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION].** Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 25, no. 3, Mar. 1967.
 Table of contents translated:
 To the participants of the Conference of Workers of the Schools of Higher Education. p. 3.
 To the Central Committee of the Communist Party of the Soviet Union. p. 4.
 News bulletin. p. 5.
 Chabbarisov, Sh. Kh. - More about lectures. p. 7.
 In the schools of higher education of the country. pp. 10, 40.
 Sanzharov, L.N., and others. - Theory and practice of programmed instruction. What is a programmed textbook? p. 11.
 Kazanisev, A.M. - Considering the characteristics of each branch. p. 19.

- Selikhov, G. F., Tifonov, V. N. - On the level of the demands of technological progress. p. 23.
- Saikal'san, S. A. - The economic reform and the training of engineers in economics. p. 25
- L'vov, N. S. - When a project is realistic. p. 31.
- Discussing the previously printed article "Standardization and endres", a review of comments. p. 38.
- Semenov, L. K., Lebin, B. D. - On the road from a school of higher education to great science. p. 42.
- Stenina, Z. V. - A decisive factor in postgraduate training. p. 45.
- Folomeev, G. I. - Problems of the mines of the future. p. 47.
- Shabaeva, M. F., Zinov'ev, S. I. - Great humanist and teacher, on the 375th anniversary of Johann Amos Comenius' birth. p. 51.
- Veler, V. N., Gishkov, I. A. G., Lomakin, V. I. - Working with every one of them. p. 53.
- Mozorov, G. P. - Teaching the art of public speaking. p. 56.
- Lazarev, V. V. - Guests with the freshmen. p. 59.
- Sports news. p. 60.
- Khrenov, N. I. - After the example of the life and work of Lenin. p. 62.
- Kul'sko, I. E., Prokof'ev, A. G. - Studying Lenin's legacy in depth. p. 66.
- Kanlmetov, A. K. - Schools of higher education in Socialist Kirghizistan. p. 69.
- Mikhailov, K. - Defending our capital. p. 73.
- Anniversary contest of students' scientific works. p. 78.
- Rozenboim, I. E., Ovshinnikova, M. I., Spasibenko, N. P. - Schools of higher education prepare for the glorious date. p. 78.
- Avotin, I. U. P. - A course in physics at a medical school of higher education. p. 80.
- Thachuk, M. I. - Future specialists of finance in the industrial plants. p. 82.
- Karimov, A. M. - The illusion of "academic freedom" in the United States. p. 85.
- Facts and figures. p. 89.

B PHYSICAL EDUCATION & GAMES

FIZICHESKAYA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 6, 1967.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Association and Organizations of the U.S.S.R.]. Moscow, no. 5(827), May 1967.

KHAKULTUR [PHYSICAL CULTURE]. Organ of Eesti NSV Spordühingute ja -organisatsioonide Liit [Union of Sports Associations and Organizations of the Estonian S.S.R.]. Tallinn, vol. 28, nos. 9(870)-10(871), May 1967. [In Estonian]

LECKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 12, no. 5(144), May 1967.

SHAKHMATNYI DULLETEN [CHESS BULLETIN]. Organ of Shakhmatnaya federatsia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 13, no. 5, May 1967.

SHAKHMATY [CHESS]. Issued by Soluz sportivnykh obshchestv i organizatsii i Shakhmatnaya federatsia Latviskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos. 9(177)-10(178), May 1967.

SHAKHMATY V SSSR [CHESS IN THE U.S.S.R.]. Organ of Shakhmatnaya federatsia SSSR [Chess Federation of the U.S.S.R.]. Moscow, no. 5, May 1967.

SPORT V SSSR [SPORTS IN THE U.S.S.R.]. Issued by the Periodical "Sovetskii Soluz" ["Soviet Union"]. Moscow, no. 6(52), 1967.

SPORTIVNAIA ZHIZN' ROSSII [SPORTS LIFE IN RUSSIA]. Organ of Vsesoiuznitskii sovet Soluza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 11, no. 5, 1967.

SPORTIVNYE IGRY [ATHLETIC GAMES]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 13, no. 4(143), Apr. 1967.

START. Organ of Rada Soluza sportivnykh tovarystv i organizatsii Ukrain'skoi RSR [Council of the Union of Sports Associations and Organizations of the Ukrainian S.S.R.]. Kiev, no. 5, May 1967.

9. MUSIC, THEATER & MOTION PICTURES

A MOTION PICTURES

ISKUSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, no. 5, 1967.

Table of contents translated:
Films of the anniversary year. p. 1.
Year after year. p. 3.
Kozintsev, Gilgail - The deep screen. p. 12.
Vaisfeld, I. - Without repeating things already known. p. 30.
Levin, E. - In defense of the subject. p. 33.
Pillai, Irlia - The amusing Dostoevskii. p. 43.
Blotman, M. - About "The hero of our time." p. 40.
Koval', I. U. - From the old arsenal. p. 53.
Adzhubel, A. - Dmitrii Shostakovich and his music on the screen. p. 56.
Chernova, N. - How a ballet is made. p. 59.
Riazanov, Eldar - Between films. p. 61.
Ship, I. U. - In a wide and narrow spectrum. p. 67.
Rybak, Lev - 500 hours with Iuli Raizman. p. 72.
Iragimov, Azhdar - Motion pictures in dugouts. p. 84.
Solov'eva, I., Slutova, V. - "The gospel according to St. Matthew." p. 92.
From everywhere. p. 97.
Motion pictures. p. 103.
Origor'ev, E. - Three days of Viktor Chernyshev. p. 105.

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, no. 5, 1967.

SOVETSKII EKRAK [THE SOVIET SCREEN]. Organ of Komitet po kinematografii pri Sovete Ministrov SSSR and Soluz kinematografistov SSSR [Committee for Motion Pictures, Attached to the Council of Ministers of the U.S.S.R., and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, no. 10(250), May 1967.

SOVETSKII FIL'M [SOVIET FILMS]. Issued by Vsesoiuznoe ob'edinenie [All-Union Association] "Sovetskii film." Moscow, no. 4, Apr. 1967.

SOVETSKOE RADIO I TELEVIDENIE [SOVIET RADIO AND TELEVISION]. Issued by Gosudarstvennyi komitet po radioveshchaniu i televideniiu pri Sovete Ministrov SSSR [State Committee on Radiobroadcasting and Television, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 0, no. 1, 1960.

Table of contents translated:
Deeper and brighter. p. 1.
Porgen, P. - Conversation on the most important. p. 2.
Vorkin, B. - For rural radio audiences. p. 3.
Punda, G. - "The collective farm radio center is speaking." p. 4.
Petrov, N. - Operative propaganda of party resolutions. p. 5.
Mol'shenko, I. - Reward received by an editorial office. p. 6.
A television theater in Moscow. p. 6.
Korolev, L. - Welcome! p. 7.
Kufanov, S. V. - Devote all your strength and knowledge to the building of communism! p. 8.
A radio editorial office on wheels. p. 10.
Kartsov, N. - Radio university. p. 11.
Ginden, M. - Quality is most important. p. 13.
Malanov, K. - A travelling editorial board. p. 15.
Dunayevskii, A. - Voices of witnesses of the heroic past. p. 16.
Radio as a press agency. p. 17.
Revealed shortcomings. p. 17.
What should a "Gay companion" be? p. 18.
Sedykh, V., Sabinov, I. - Hello, Paris! Moscow speaking! p. 19.
Anokhin, I., Prudchenko, D. - Our helpers. p. 21.
Savetova, A. - The address is: Moscow, Shabolovka, 53. p. 22.
The Sverdlovsk television audience speaks. p. 23.
The radio lent a helping hand. p. 23.
Glukhovskii, L. - Inauguration of a people's university. p. 24.
Zelenov, A. - We are talking about the regional economic councils. p. 26.
Galanov, A. - Television newspaper. p. 27.
Bublichenko, M. - Surprise inspection by the Rostov television. p. 28.

Gembitskii, T. - Stevan shows a program. p. 29.
Television net work of the R.S.F.S.R. p. 30.
Let us talk to television audiences in the language of art. p. 31.
Gontka, I. U. - Reflections after the seminar. p. 32.
Kilmova, S. - Meeting friends. p. 34.
Dneprovskii, I. - The art of a television operator. p. 36.
Emel'ianova, E. - Problems of masterful announcing. p. 38.
Pozdnakov, V. - Lighting in television. p. 39.
Afonkin, M. - Those who cultivate humor; a feuilleton. p. 40.

Vol. 9, no. 2, 1960.

Table of contents translated:
On improving Soviet radiobroadcasting and the further development of television. p. 1.
Kafanov, S. V. - The militant program of Soviet radiobroadcasting and television. p. 5.
Giesler, M. - New documents on V. I. Lenin and the radio. p. 9.
Mazchenko, T. - "The third, pathetic." p. 10.
Asiashin, V. - "Pages from Lenin's life." p. 12.
Face to face with America: excerpt from a book. p. 13.
Aleskovskii, M. - Keep in mind the interests of radio audiences. p. 15.
Borozovs, A. - Thus our newspaper was born. p. 17.
Shvarts, P. - Forms prompted by life. p. 13.
Rubtsov, V. - The radio remained on. p. 10.
Aksulov, E. - "Orpheus and Eurydice." p. 21.
Lobanov, V., Chernikov, D. - Questions and answers on outer space over the radio. p. 22.
"From the Terek to the Caspian Sea." p. 23.
Usakovskii, A. - What we want to see on the screen. p. 24.
Vyplianskii, M. - To hear the same thing again and again is impossible. p. 25.
Izergina, A., Sergeev, A. - Scripts on workers of the seven-year plan. p. 26.
Sergeeva, B. - A ball for the happy. p. 27.
Chernitsyn, I. U. - For rural audiences. p. 28.
Krasninskii, M. - Warmth and heartiness. p. 29.
Maksimov, K. - To understand one's mistakes is the most important. p. 20.
Savrov, V. - Let us have a little more humor. p. 30.
Savolova, A. - Sincerely and with emotion. p. 31.
Maslennikov, A. - A motion picture group in the studio. p. 32.
Golovina, A. - The role of portraiture in television. p. 33.
Bazhin, N., and others. - Debate on a radio play. p. 35.
Reidel', M. - Opoida on Mars. p. 38.

Vol. 9, no. 3, 1960.

Table of contents translated:
The militant task of radio broadcasting and television. p. 1.
Luk'ianov, I. - In the main direction. p. 5.
The country gave them rewards:
Kremova, E. - An excellent journalist and good friend. p. 6.
Otl'asova, E. - Her voice is known to millions. p. 6.
Pogodin, A. - An inspired worker. p. 7.
Nai', A. - A popular announcer. p. 7.
Seval'nev, I. - Behind every letter there is a living man. p. 8.
Prolov, A. - The rural radio journal. p. 10.
Lavrovskii, N. - Conversation about a painful subject. p. 11.
Semenov, A. - With assistance from the public. p. 12.
Sintkov, D. - At least a beginning has been made. p. 13.
Letunov, I. U., Reinskii, K. - Seventy days on the way. p. 15.
Nosik, B. - With Murmansk friends. p. 19.
Aleksandrov, Z. - A lively conversation. p. 21.
Fedorov, A. - Correspondents not on the staff. p. 22.
Sal'man, A. - In the Far East. p. 22.
Slanov, B., Golub', M. - This is now very important. p. 23.
Andreov, V. - Moscow-Vladivostok. p. 25.
Izbenko, M. - On the same day. p. 26.
Bembel', K. - For children's audiences. p. 27.
Shuf'gin, P. - Favorite weapon. p. 28.
Sakonnikov, N. - Guests of the Moscow television studio. p. 29.
Malyshova, R. - Until we meet again. p. 30.
Uskov, I. - A story about Siberia. p. 31.
Mikh. Dolgoplov. - "Eugenie Grandet" on the television screen. p. 32.
Chernykh, V. - Debatable, but it is nice. p. 33.
Barkovskii, L. - Genres and forms of political broadcasting. p. 34.
Sterkin, T. - Actors before the camera. p. 35.
Baranovich, I. U. - Problem of the radio play. p. 37.

Vol. 9, no. 4, 1960.

Table of contents translated:
Honorable duty. p. 1.
Stul'sk, A. - The "Echo of the Day" and its problems. p. 2.

... of the ... p. 7
... of the ... p. 9
... of the ... p. 11
... of the ... p. 13
... of the ... p. 15
... of the ... p. 16
... of the ... p. 17
... of the ... p. 19
... of the ... p. 20
... of the ... p. 21
... of the ... p. 22
... of the ... p. 23
... of the ... p. 24
... of the ... p. 25
... of the ... p. 26
... of the ... p. 27
... of the ... p. 28
... of the ... p. 29
... of the ... p. 30
... of the ... p. 31
... of the ... p. 32
... of the ... p. 33
... of the ... p. 34
... of the ... p. 35
... of the ... p. 36
... of the ... p. 37
... of the ... p. 38
... of the ... p. 39
... of the ... p. 40
... of the ... p. 41
... of the ... p. 42
... of the ... p. 43
... of the ... p. 44
... of the ... p. 45
... of the ... p. 46
... of the ... p. 47
... of the ... p. 48
... of the ... p. 49
... of the ... p. 50
... of the ... p. 51
... of the ... p. 52
... of the ... p. 53
... of the ... p. 54
... of the ... p. 55
... of the ... p. 56
... of the ... p. 57
... of the ... p. 58
... of the ... p. 59
... of the ... p. 60
... of the ... p. 61
... of the ... p. 62
... of the ... p. 63
... of the ... p. 64
... of the ... p. 65
... of the ... p. 66
... of the ... p. 67
... of the ... p. 68
... of the ... p. 69
... of the ... p. 70
... of the ... p. 71
... of the ... p. 72
... of the ... p. 73
... of the ... p. 74
... of the ... p. 75
... of the ... p. 76
... of the ... p. 77
... of the ... p. 78
... of the ... p. 79
... of the ... p. 80
... of the ... p. 81
... of the ... p. 82
... of the ... p. 83
... of the ... p. 84
... of the ... p. 85
... of the ... p. 86
... of the ... p. 87
... of the ... p. 88
... of the ... p. 89
... of the ... p. 90
... of the ... p. 91
... of the ... p. 92
... of the ... p. 93
... of the ... p. 94
... of the ... p. 95
... of the ... p. 96
... of the ... p. 97
... of the ... p. 98
... of the ... p. 99
... of the ... p. 100

Chirikova, Z. - The studio and amateur art activities p. 18
Zemnova, A. - In the atmosphere of trustworthiness and truth p. 19
Modalevskii, R. - On the stage, a feuilleton, p. 20
Vaiman, A. - Questions by telephone p. 21
Bel'tvaish, M. - A conversation on a serious matter p. 22
Gubunov, S. - "Passport" of a studio, p. 24
Kokorin, I. - The sound is left aside, p. 25
Kozlov, E. - What the "latest news" on television should be like, p. 27
Dzign, E., Kanov, B. - It missed the goal, p. 28
Kastelin, N. - Apropos of the "Goal" p. 29
Donatov, A. - Telefilm p. 31
Duglovskii, T. - I ask the floor! p. 33
Nuzhnyi, V. - Notes on radio scripts, p. 36
Grishac, V. - A great friend of radio, p. 38
Ivan Polishchuk, - "Left hander on the ether," p. 39
Khamenok, A. - The broadcast was prepared by worker correspondents p. 41
Orfenov, A. - Three fat men, p. 42
Enthusiasm, p. 43
Always with the collective, p. 43
Shenov, V. - The question and answer program "Our friendship" p. 44
Suchy, A. - International cooperation p. 45
Zhitka Trakova, - Great interest for a small screen p. 46
Zdenek Michalec - For Czechoslovak schoolchildren, p. 46
Siegfried Böhme, - Berlin youth at the screen, p. 47

THEATER

KLUB I KHUZHESHTEVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi Tsentralnyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions], Moscow, vol. 10, no. 9, May 1967.

MOLODEZHNAIA ESTRADA [YOUNG PEOPLE'S STAGE] Published by "Molodnia gvardia" ["Young Guard"], Moscow, no. 3(14), 1967.

TEATR [THEATER]. Organ of Ministerstvo kul'tury SSSR and Soluz pisatelei SSSR [Ministry of Culture of the U.S.S.R. and the Association of Writers of the U.S.S.R.], Moscow, vol. 28, no. 3, May 1967.

Table of contents translated:
Kholodov, E. - "A man with a gun" p. 3
"Spring love," p. 9
Smelkov, IU. - On what do you live? p. 10
Vasilintina, I. - Classics in Kaluga, p. 18
Fild, IU. - In hot and in cold weather p. 24
Vut'fson, S., Sorochkin, B. - The theater and the economy p. 30
Vishnevskii, L. - Plays devoted to the death of Pushkin, p. 36
Knefel', M. - Plays and the conception of critics, p. 42
Vladimirova, Z. - Anatolii Ktorov p. 46
Latynina, Larisa. - Sports theater. What is it? p. 57
Koonen, Alisa. - Pages from my life (to be continued) p. 63
Kudiatylova, T. - Aleksandr Blok as an actor, p. 77
Theater news, p. 79
Dzimbinskala, O. - Berlin from morning till midnight, p. 103
Kovalov, I. - A play on Vietnam by Peter Brook, p. 113
Vasilava, Kalla. - "Uncle's dream" on the stage of Sofia, p. 115
Rybakov, IU. - At a study group in New Delhi, p. 116
Lebedeva, L. - Censorship in television, p. 117
Volynskov, A. - A singer of "Dubovskii elus," p. 118
Uvarova, I. - Through the glasses of Siawomir Mirozek p. 119
The Royal Ballet of Dhomey, p. 122
Rozov, Victor. - A traditional gathering; a play in two acts, p. 127
Shlein, Aleksandra. - The applause p. 150

Vol. 28, no. 4, Apr. 1967.
Table of contents translated:
"The storm," p. 3
Markov, P. - "A screwball" p. 4
Kafanova, L. - "How steel was tempered," p. 7
Valentina Khodasevich. - Mass performances, shows, and festivals, p. 12
New features of familiar faces, p. 20
Kagarlitskii, IU. - Regardless of age, p. 26
Londova, V. - A quiet life, p. 30
Gaevskii, V. - In search for joy, p. 32
Sirov, M. - A lover of absinth, p. 38
Karnaukhova, G. - It did not take place! p. 40
Magkova, I. - In the midst of the noisy ball, ... p. 42
Khodunova, E. - At the theater, p. 45
Pyzhova, O. - A particularly dangerous path, p. 47
Velekhova, Nina. - Welcome, opelet! p. 51
A discussion with Kaarol Erd, p. 63
Lin'kova, L. - IU II Solov'ev, p. 68
Igor' Kvasha's "lyrical hero," p. 72
Rassadn, St. - Volodga parallels, p. 76

Pimenov, VI. - Bersenov, p. 69
Kalashnikov, IU. - Muzvanov p. 96
Theater news, p. 123
Zingerman, B. - About documentary drama p. 14
Aleshin, S. - The diplomat, a play in three acts p. 69.

TEATR NAIA ZHIZN' [LIFE OF THE THEATER]
Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others, Moscow, vol. 10, no. 1(213), June 1967.

FINE ARTS

GENERAL

ISKUSTVO [ART]. Organ of Ministerstvo kul'tury [Ministry of Culture of the U.S.S.R.], Moscow, vol. 30, no. 3, 1967.

Table of contents translated:
Shmarinov, D. - "Relay races" of the young artist, p. 6
Zhilinskii, D., Pavlov, P. - Cycle of an artist, p. 6
Pletneva, G. - The objective and subjective in painting, p. 8
Goriakov, V. - Art of plasticity approach, p. 11
Chernokov, N. - Important questions, p. 22
Belogorova, L. - A bright talent, p. 24
Aktimov, Ia. - The Seventh Young Artist p. 32
New works of young artists, p. 37
Anisimov, G. - On the wall of a room, p. 41
Bol'shakova, L. - An original artist p. 46
Mamlin, V. - Formation of an artistic union p. 47
Famulskaya, N. - Romanian illustrations of Uazova, L. - Czestaw Hzeptinski's paintings, Lebedev, A. - From the history of social life painting by L. L. Repin, p. 60
Zhizhova, L. - V. V. Mat'osh studio, p. 61
Foreign review, p. 72
Art life in the Soviet Union, p. 76.

SOVETSKOE FOTO [SOVIET PHOTO]. Issued by Soluz zhurnal'nikov SSSR [Association of Journalists of the U.S.S.R.], Moscow, no. 5, May 1967.

KHUZHONIK [ARTIST]. Issued by Soluz khuzhnikov SSSR [Association of Artists of the U.S.S.R.], Moscow, vol. 9, no. 5, 1967.

LANGUAGE, LITERATURE & FOLKLORE

LANGUAGE

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia ja Eesti NSV Kirjanduse Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.], Tallinn, vol. 10, no. 6, 1967, [in Estonian].

NAUKOVE TOVARYSTVO IMENI SHIVCHENKA [SOCIETY OF FRIENDS OF SHIVCHENKA]. Issued by Nauchno-issledovatel'skoe obshchestvo imeni Shvachnitskogo [Scientific Society of Shvachnitskogo], Munkh, vol. 11, 1967.

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNAVIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka sotsial'stvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others, Moscow, no. 4, 1967, [in Russian].

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNAVIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka sotsial'stvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.], Moscow, no. 4, 1967.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo osvity i nauchy RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, nos. 2-3, Mar. - June 1967.

UKRAINS'KA MOVA I LITERATURA V SHKOLAH [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS]. Issued by Ministerstvo osvity i nauchy [Ministry of Education of the Ukrainian S.S.R.], Kiev, vol. 17, no. 5, May 1967.

b LITERATURE & FOLKLORE

ALA-TOO, Ileraturno-khudozhestvennyi i obshchestvenno-politicheski zhurnal [ALA-TAU: Literary and Sociopolitical Magazine]. Organ of Soluz pisatelei Kirgizii and Ministerstva kultury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S.S.R.]. Frunze, vol. 36, nos. 1-5, Jan., Apr.-May 1957. [In Kirghiz]

AZERBAICHAN [AZERBAITAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 4, Apr. 1957. [In Azerbaijani]

DETSKAYA LITERATURA [CHILDREN'S LITERATURE]. Issued by Komitet po pechatu pri Sovete Ministrov RSFSR and Soluz pisatelei RSFSR [Committee for Printing, Attached to the Council of Ministers of the R.S.F.S.R. and the Association of Writers of the R.S.F.S.R.]. Moscow, vol. 2, no. 4, 1957

DILA [MORNING]. Issued by Tsentral'nyi komitet Leninskogo kommunisticheskogo soluznogo molodezhd Gruzii and Respublikanskii sovet organov i tseli tselnykh planov i im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, no. 5, May 1957. [In Georgian]

DNIPRO [DNEPER]. Organ of Tsentral'nyi komitet Leninskogo kommunisticheskogo soluznogo molodezhd Ukrainy [Central League of the Ukraine]. Kiev, vol. 41, no. 5, May 1957

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 29, nos. 4-5, 1957.

GULISTON [ROSE GARDEN]. Issued by Soluz pisatelei Tadzhikistana [Association of Writers of Tajikistan]. Dushanbe, no. 3, Mar. 1957

INOSTRANNAIA LITERATURA [FOREIGN LITERATURE]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, no. 4, Apr. 1957.

IUNOST' [YOUTH]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 13, nos. 5(144)-6(145), May-June 1957.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Soviet Latvia]. Riga, no. 6, 1957. [In Latvian]

KAZAN' V ISTORII RUSSKOI LITERATURY [KAZAN IN THE HISTORY OF RUSSIAN LITERATURE]. Issued by Kazanskii gosudarstvennyi pedagogicheskii institut [Kazan State Pedagogical Institute]. Kazan, no. 1, 1955

Table of contents translated:
Bushman, E. G. - Kazan in the life and work of 19th century Russian writers. p. 3.
Fulova, T. D. - Gor'ki on Nekrasov. p. 16.
Rakhlin, I. A. - A. M. Gor'ki on the way to writing "My universities." p. 27.
Litvin, A. L. - Russian writers in Kazan during the years of the civil war. p. 52.
Porman, R. N. - Soviet writers in Kazan' in 1941-45. p. 62.
Umanova, R. F. - First productions of the Russian plays on Tatar stages. p. 69.
Sliviyina, T. K. - An unknown article of L. N. Figner in the Kazan press. p. 79.
Bushman, E. G. - Kazan censorship and N. G. Garlin-Mikhailovskii. p. 85.
Molechova, M. A. - What the teachers should read on the literary past of Kazan. p. 89.

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN; bibliograficheskiy bulleton' [LITERATURE AND ART OF THE PEOPLES OF THE U.S.S.R. AND FOREIGN COUNTRIES; Bibliographical Bulletin]. Issued by Vsesoluznaya knizhnaya palata and Vsesoluznaya gosudarstvennaya biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no. 2, 1957.

LITERATURNAYA ARMENIA [LITERARY ARMENIA]. Organ of Pravlenie Soluznogo pisatelei Armenii [Administration of the Association of Writers of Armenia]. Eriuan, vol. 9, no. 4, Apr. 1957.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 25, no. 5, May 1957.

LITERATURNYI KIRGIZISTAN [LITERARY KIRGIZISTAN]. Organ of Soluz pisatelei Kirgizii [Association of Writers of Kirghizia]. Frunze, vol. 13, no. 2, Mar.-Apr. 1957

LOOMING [CREATIVE WORK]. Issued by Eesti Nev Kiriainke Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no. 5, May 1957. [In Estonian]

MIR PRIKLUCHENII, al'manakh [WORLD OF ADVENTURES, an Almanac]. Moscow, no. 12, 1956.

NASH SOVREMENNIK [OUR CONTEMPORARY]. Organ of Soluz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, no. 5, May 1957.

NEMAN [NEMAN RIVER]. Organ of Soluz pisatelei BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 16, no. 6, June 1957.

NEVA. Organ of Soluz pisatelei RSFSR and Leningradskoe otdelenie Soluznogo pisatelei [Association of Writers of the R.S.F.S.R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 6, 1957.

NOVAYA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1957

NOVAYA SOVETSKAYA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1957.

OKTIABR' [OCTOBER]. Organ of Soluz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, vol. 38, no. 6, June 1951.

Table of contents translated
In a great campaign. p. 3.
Gudaliy-Guzlavicius, A. - Marvelous shouts. p. 7.
Bikentayev, Anvar. - A road bestows books. p. 10.
Titov, Vasilii. - New root. p. 142.
The land waits, comments of readers. p. 152.
Maringin, Georgii. - The Kuznetsk Basin lights its beams. p. 156.
Sapurov, A. - It was like this. p. 164.
Akhilov, V. - Weapons of criticism. p. 171.
Solov'yev, Boris. - Light overnight case and a heavy treasure (to be continued). p. 179.
Litvinov, V. - Tendiakov the "old" and Tendiakov the "new." p. 199.
Fomenko, Lidiya. - Again about love. p. 210.

POD'EM [UPSWING]. Issued by Voronezhskoe otdelenie Soluznogo pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R.S.F.S.R.]. Voronezh, no. 2, Mar.-Apr. 1957.

PROSTOR [WIDE-OPEN SPACES]. Issued by Soluz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol. 34, no. 5, May 1957.

RADIANS'KE LITERATUROZNAVSTVO [SOVIET LITERARY REVIEW]. Organ of Instytut literatury im. T. H. Shevchenka Akademii nauk UKRSR and Spilka pis'mennykh Ukrainy [Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S.S.R. and the Association of Writers of the Ukraine]. Kiev, vol. 11, no. 2, Feb. 1957.

Table of contents translated:
Vakulenko, Dika - The poetry of thought. p. 3.
Davydova, Irina - An ardent public. p. 12.
Hrom'uk, R. T. - On the question of perception of a literary work. p. 22.
Fedchenko, P. M. - Ukrainian almanacs of the 1830's. p. 33.
Taranenko, M. P. - I. Franko in the evaluation of I. Nechul-Levyts'kyl. p. 46.
Kuz'menko, A. I. - Early work of V. Narizhnyi. p. 56.
Kalsnei'sou, A. I. - "Cardiogram" of verse. p. 61.
Sapukhin, P. - Grabova'kyl's early poems and the "Duma" of Lermonitov. p. 71.
Del, O. - Unknown articles by Nechul-Levyts'kyl on public schools. p. 74.
Tsyban'ova, O. - New material from the heritage of IE. Hrebinka. p. 78.
Luchnyk, I. - An unpublished poem by IE. Hrebinka. p. 79.
Muratova-Iurkevych, T. G. - H. O. Machtet in Zhitomir. p. 80.
Nedil'ko, H. - History of Ukrainian literature, literature of the second half of the 19th century by P. K. Volyn's'kyl and others. p. 84.

Inter-university Conference on the Question of East Romania and East-Slavic Interrelations. p. 92.
Olinyk, V. P. - A united scientific session devoted to I. Franko. p. 93.
At the Zaporozh'e Pedagogical Institute. p. 94.

RADUGA [THE RAINBOW]. Organ of Pravlenie Soluznogo pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 17, nos. 5-6, May-June 1957.

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soluz pisatelei RSFSR and Novosibirskoe otdelenie Soluznogo pisatelei [Association of Writers of the R.S.F.S.R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol. 46, no. 5, 1957.

SOVET EDEBIATY [SOVIET LITERATURE]. Organ of Soluz sovetskikh pisatelei TSSR [Association of Soviet Writers of the Turkmen S.S.R.]. Ashkhabad, no. 5, May 1957. [In Turkmen]

SUCHASNIST' [OUR TIME, Literature, Art, and Social Problems]. Munich, vol. 7, no. 5(77), May 1957.

VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kiev, vol. 35, no. 6, June 1957.

VOLGA. Organ of Pravlenie Soluznogo pisatelei RSFSR and Saratovskoe otdelenie Soluznogo pisatelei RSFSR [Administration of the Association of Writers of the R.S.F.S.R. and the Saratov Branch of the Association of Writers of the R.S.F.S.R.]. Saratov, vol. 2, no. 5, May 1957.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 160, June 1957

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Lvov, no. 7, 1957.

ZHULDYZ [STAR]. Issued by Soluz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no. 6, 1957. [In Kazakh]

ZHURNALIST [JOURNALIST]. Issued by gazeta "Pravda" and Soluz zhurnalistov SSSR [Newspaper "Pravda" and the Association of Journalists of the U.S.S.R.]. Moscow, no. 2, Feb. 1957.

Table of contents translated
Vlasov, V. - Responsibility of journalists. p. 2.
Preparation for the anniversary of the October Revolution. pp. 5, 16.
Kondashov, S. - Sathibay's mission. p. 6.
Chilikin, V. - Attendance and participation. p. 9.
Bok, A. - The road of a documentalist. p. 12.
Fomenko, V. - Groping on the tracks. p. 20.
Dement'ev, I. - From black to pink. p. 22.
Lais, O. - The power of return and the power of prejudice. p. 27.
Muratov, S. - Effect of influence. p. 29.
Toukachev, S. - What is the secret? p. 32.
Kozintsev, G. - Lordkipanidze.

F

- ZVEZDA VOSTOKA [STAR OF THE EAST]** Organ of Writers of the U.S.S.R. | Moscow, 1967.
Table of contents translated:
Petravskiy, A. - The doctor, a novel about love (continued), p. 11
Mikhailov, I. - My country, verse, p. 96,
Korotkiy, V. - An indiscreet person, a tale
Rozhnova, L. - We have seen the town Dodoille, p. 132
Gul'ko, I. - The storm and tempest (continued), p. 114
Korotkiy, V. - West of Voronezh (continued), p. 171,
Dobryakov, A. - In the day of Russia... (conclusion), p. 222
Bukharin, N. - On the corners of the world, p. 242,
Shteynberg, M. - The roses recuse, p. 253
- ZVEZDA [THE STAR]** Organ of Soviet writers of the USSR
[Association of Writers of the U.S.S.R.] Leningrad,
1967, May, 1967.
Table of contents translated:
Petravskiy, A. - Fairly brothers, a documentary
film, p. 3
Petravskiy, A. - Stepping on the threshold, On
the life of the choir leader, As if returned
from Japan, P. the seashore, Useful advice, O,
mild climate, verse, p. 88
Mikhailov, I. - Roads large and small, stories
p. 1
Vladimirov, A. - The airings, The watch, The tele-
gram, The green girl's stories, p. 109,
Petravskiy, G. - Uninvited war stories, p. 127
Korotkiy, V. - Club, The beginning of winter,
A strange unknown country, On the outskirts;
verse, p. 177
Fedorov, S. - Siberian lines, verse, p. 139,
Petravskiy, A., Zaitsev, E. - In the same palace of
justice, p. 141,
Fedorov, M. - The first impressions of "Pravda", from
the collections of the named editor, p. 165,
Lazarev, S. - How we printed a Bolshevik newspaper,
p. 170
Petravskiy, S. - Equalizing the pen and the bayonet
p. 173
Tikhonov, V. - Before a great discussion, p. 177,
Petravskiy, M. - In search of a new hero, p. 179,
Fedorov, Ark. - Unity of method, Variety of styles,
second article, p. 181,
Gul'ko, A. L. - Truthful art, on the 75th birthday of
Ivan Alekseyevich Mikheyev, p. 202,
Filipov, German. - "Listening to the live call" (Alex-
ander Prokofiev. Collected works in 4 vols.), p. 209
Lazarev, M. - And what remains for the grandchildren?
(Dr. Armand, For us and our grandchildren), p. 212,
Petravskiy, S. - The lyrics of Andrei Belyi (Andrei
Belyi. Poems and prose), p. 216
- ZVEZDA VOSTOKA [STAR OF THE EAST]** Organ of
Writers of Uzbekistan [Association of Writers
of Uzbekistan] Tashkent, vol. 35, no. 5, 1967.
- 12. GEOGRAPHY & GEOLOGY**
- a. ETHNOLOGY
- NARODNA TVORCHISTVA ETNOGRAFIJA [FOLK ART
AND ETHNOGRAPHY]. Issued by Institut mysl'tvo-
aid Ministerstva kultury Ukrainy SSR [Institute
of Fine Arts, Folklore, and Ethnography of the Academy
of Sciences of the Ukrainian S.S.R. and the Ministry
of Culture of the Ukrainian S.S.R.], Kiev,
vol. 11, no. 3, May-June 1967.
Table of contents translated:
Triumph of Soviet culture, p. 3
- Al the President of the Supreme Soviet of the Ukrai-
an S.S.R. p. 6
Berezovsky, Ivan - Along the path of progress, basic
stages of the development of Soviet folklores, p. 7,
Belichko, Iurii - Paraske Vlasenko's flower, p. 15,
Popov, Pavlo, Sukhorub, Hatina - An outstanding
researcher of folklore, p. 24,
Nauko, Vsevolod - Methods of compiling a regional
historicoethnographical atlas of the Ukraine, White
Russia, and Moldavia, p. 34,
Novitsky, Leonid - At a modern wedding in Bukovina,
p. 40,
Mandyura, Mar'lan - New features in every-day life
of the Carpathian Mountain valley cattle breeders,
p. 44
Jusov, Oleksandr - Characteristic features of poly-
phony in Lyusenka's choral arrangements, p. 48
Kylanytsia, Mykola - Agricultural implements of the
Azov Sea region in the Ukraine, p. 52,
Rol, Vilali - A baritone with attachments, p. 55,
Imatovyk, Hnat - The problem of the history of
"Bethlehem," p. 59,
Krasovskiy, Ivan - Artist Nykyfor from Krynkra,
p. 63
N. V. Lyusenka's letters to P. D. Martynovich, p. 67,
Records of Volodymyr Samylenko's folk songs, p. 71,
Dzyndzhyrystyl, Myroslav - Future teachers are
reporting, p. 77,
Petrovsky, Volodymyr - From the creative experi-
ments of a poet of the October Revolution, folkloris-
tic sources of Dem'ian Bedny's poetic language,
p. 80,
Marchenko, Mariia, Pavlil, Pavlo - A bibliography of
literature on folklore, p. 94
Maksym Ryl'skiy's literary heritage, p. 97,
Tykhonovych, Volodymyr, Karlov, Karol - A confer-
ence of Czech ethnographers, p. 98,
Omelchenko, Andrii - A study group for conductors
of choirs, and ensembles of bandole players, p. 99,
We are at the EXPO-67, p. 100
Bondarchuk, Petro - The rural areas are honoring
them, p. 103
Hlukhen'ka, Naialka - Sisters who are artists, p. 103,
Masliuk, Mykhailo - An exhibition pavilion which
flits the palm of the hand, p. 105,
Kin'ko, Andrii - Visiting the creators of refrains, p. 107,
Shalata, Mykhailo - A popularizer of folk songs, p. 108,
Paraska Klyn's and Ihoril Haras' personal exhibi-
tions, p. 109,
Paylenko, Ivan - We must preserve the memory of a
remarkable folklorist, p. 109,
In memory of Mark Kolosnyk, p. 110,
- SOVETSKAYA ETNOGRAFIJA [SOVIET ETHNOGRAPHY].**
Issued by Institut etnografi Akademii nauk SSSR
[Institute of Ethnography of the Academy of Sciences
of the U.S.S.R.], Moscow, no. 2, Mar.-Apr. 1967.
Table of contents translated:
Pimenov, V. V. - Some laws of the development of
national culture, p. 3,
Lobacheva, N. P. - Formation of new wedding rites
and ceremonies among the peoples of Uzbekistan,
p. 15,
Kobychev, V. P., Bobakidze, A. I. - Basic forms of
the typology and cartographic representation of the
dwellings of Caucasian peoples; materials for a
historical and ethnographical atlas of the Caucasus,
p. 26,
Valnshtein, S. L. - Ornament in the folk art of the
Tuvinians, p. 45,
Itina, M. A. - The place of Taza-Bag-yab culture
among the Bronze Age cultures of steppe regions,
p. 62,
Semashko, I. M. - Origin and ethnic history of the
Bhils, an introduction of the problem, p. 80,
Chester, C. Chard. - Some problems in the prehistoric
chronology of Northeastern Asia, p. 94,
Kozlov, V. I. - The concept of ethnic community, p. 100,
Sedov, V. V. - Origin of the White Russians; problem
of a Baltic substratum in the ethnohistory of the White
Russians, p. 112,
Panfan, A. E. - New way of life of the collective farm-
ers of Mrghavan, a village in the Ashkhat District
of the Armenian S.S.R., p. 130,
Brogradze, N. A. - Rational foundations of some
customs of Georgian farmers, p. 140,
Kinzhatov, R. V. - A day in a city of ancient Mayas,
p. 145,
Reshetov, A. M. - The Third All-Union Conference
on the History, Culture, and Philology of the
ancient East, p. 158,
Kaloev, B. A. - A session devoted to the problem of
the origin of the Osses, p. 163,
Gusev, V. E. - A trip to Yugoslavia, p. 167,
New literature on the peoples of Central Asia and
Kazakhstan, p. 195,
Lavrov, L. I. - An attempt to decipher the Maykop
inscription, p. 203,
- b. GEOGRAPHY
- AKADEMIJA NAUK SSSR, Izvestija, Seriya geografiche-
skaia [ACADEMY OF SCIENCES OF THE U.S.S.R.,
Bulletin, Geographical Series], Moscow, no. 2, Mar.-
Apr. 1967.
Table of contents translated:
Heinz Sanko. - Main features of the development of
geographical sciences in the German Democratic
Republic, p. 5,
- Nikolaev, N. I. - Recent tectonic and sea level changes
of the East European Platform, p. 13
Dudko, M. I. - Causes of the extinction of animals
at the end of the Pleistocene, p. 23
Anan'ov, M. A. - Changes in the development of
geography of international tourism, p. 37,
Melnikova, G. L. - Natural conditions of the
of large lowland rivers, p. 60,
Kislanova, N. S. - Effect of the labor supply of a
region on the structure and distribution of
industries, p. 61,
Lindogovskij, G. I., and others. - Progress of
development of ferrous metallurgy in the USSR
on the basis of local and south Kazakhstan expe-
riences, p. 68,
Bylinkina, L. N. - Use of the methods of statistical
analysis in determining the solution of the height
of floodplains and recent movements of earth's
crust, p. 77,
Danilov, I. D. - Valued clay of the Pechora Pri-
amye and Bolshozemot'skaya Tundra, p. 80,
Medvedev, G. P. - Fluctuations in the water of
spring floods in the rivers of Western Siberia,
p. 81,
Pakhomov, M. M. - Spores and pollen flora of the
first floodplain terraces of Lake Baikal, p. 85,
Solov'yeva, L. E., Ivanova, N. K. - Research on
the geomorphology and paleogeography of the
Valka Valley, p. 101,
Shmelev, I. M. - Origin of underground ice masses
in the lower Yontsay Valley, p. 108,
Gol'denberg, L. A. - New monuments on the 30th
anniversary of his birth, p. 110,
Schastlik, G. V. - Development of the concepts of
economic regionalization in India, p. 117,
Gerashinov, I. P. - Geography at the Pacific
Congress, Tokyo, 1966, p. 137,
Vendtov, S. L., and others. - Glacial Albatraz
Avskul, on his 60th birthday, p. 143,
Borisov, P. M., and others. - Vladimir Potomay-
Grichuk, on his 60th birthday, p. 144,
Gerashinov, I. P., and others. - Nikolai Kuznetsov,
on his 60th birthday, p. 144,
Kunlayev, L. F. - Research conducted by the
Geography of the Academy of Sciences of the
U.S.S.R. in Western Siberia, p. 146,
Zinger, E. M., Trofaki, L. S. - Soviet glaciological
research in Spitzbergen in 1966, p. 147,
Pillarkin, V. A., Ulkin, G. N. - Two tendencies
in the current problems of underdeveloped
regions, p. 150,
Sorochan, O. G. - Session of the International
Scientific Council on the problem "Human
agricultural resources," p. 163,
Lipots, I. G., Polakova, T. I. - First annual
school of mathematics and geography, p. 164,
Gerashinov, I. P., and others. - Georgii Ivanovich
Soloviev (1887-1966), p. 166,
- AKADEMIJA NAUK SSSR, Institut okeanologii, Trudy
[ACADEMY OF SCIENCES OF THE U.S.S.R., Institute
of Oceanography, Transactions], Moscow, vol. 6,
1967.
Table of contents translated:
Partin, N. V. - Review of sea gulpen in the eastern
part of Pacific and Indian Oceans, p. 3
Bokker, V. E. - Lantau fishes (fam. Myxophallidae)
from three Atlantic expeditions on Eilat, p. 4,
dev. 1961-64, p. 84,
Kashkin, N. I. - Quantitative distribution of fishes
fishes (fam. Myctophidae S. L.) in the Atlantic
Ocean, p. 126,
Novikova, N. S. - Ichthyofauna (Piscines) of the
Pacific Oceans, p. 159,
Rasa, T. S., Kashkin, A. A. - Bathypelagic fishes
of the northern part of the Pacific Ocean, p. 222,
Pertava-Ostroumova, T. A. - Larvae of pelagic
Protomyctophala and Eleuthera (Myctophidae, Pisces),
p. 222,**
- AKADEMIJA NAUK URSS, Moskva, Moskva, Moskva, Moskva,
ni Institut, Ekspress-Informatsiya [ACADE**

- Efimov, V. V. - Study of wind field velocity in lowest layer of atmosphere. p. 58.
- Iseva, L. S., Shutov, A. P. - Studying structure of temperature field of surface layer of ocean during the 18th voyage of research vessel "Mikhail Lomonosov." p. 65.
- Boguslavskii, S. G. - Measuring geothermal gradient in bottom sediments of North Atlantic. p. 73.
- Iseva, L. S., Shutov, A. P. - Autonomous apparatus for studying temperature field of the ocean. p. 80.
- Paramonov, A. N., Neulmin, G. G., Efimov, V. V. - Some results of measuring fluctuation of transparency of waters in the ocean. p. 86.
- Neulmin, G. G., and others - Distribution of suspensions in the lowest layers of the sea. p. 99.
- Paramonov, A. N., Neulmin, G. G., Zaikin, V. M. - Numerical impulse photometer-transparency meter. p. 108.
- Paramonov, A. N., and others - Magnetic autonomous recorder. p. 118.
- Paramonov, A. N., Zaikin, V. M. - Practice in using cable communication line for geophysical studies. p. 125.
- Zabudav, V. I., Pavlenko, I. U. V., Paramonov, A. N. - Inductive laboratory salinometer. p. 129.
- Ermolov, P. S., Iashin, V. A., Levchenko, G. V. - Testing metalceramic contacts. p. 134.
- Nikulin, V. N. - Problems and organization of computation control complex on a ship. p. 137.
- Sivachenko, P. M., Bondarenko, L. T. - Modification of "Dilepep-1" electronic computer for computer centers on ships. p. 146.
- Gorelova, M. V. - Algorithm for calculating spectral density of capacity of stationary stochastic process. p. 158.
- Gorelova, M. V. - Frequency characteristics of the operation of deducting the moving average from initial series of observations. p. 167.
- Nikulin, V. N., Kvachev, V. G. - Program for coding information. p. 171.
- Kravets, V. L. - Determining location of ship on "Dilepep-1" electronic computer. p. 177.
- Didkovskii, V. I. A. - Faunal characteristics of bottom sediments in southwestern part of Norwegian Sea and northeastern part of Atlantic Ocean. p. 181.
- Shishikina, O. V., Bykova, V. S. - Some data on physicochemical characteristics of sediments and chemistry of sill waters of Norwegian Sea. p. 185.
- Gevork'yan, V. Kh., Chugunnyi, I. U. G. - Geology of Norwegian Sea and northeastern part of Atlantic Ocean. p. 198.
- Enevel, B. F., Kioschenko, S. A. - Some data on physicochemical properties of bottom sediments of northeastern part of Atlantic. p. 209.
- Didkovskii, V. I. A. - Method for elutriation of bottom sediments lifted by ground pipe and bottom bucket dredge. p. 214.
- GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin].** Moscow, vol. 90, no. 2, Mar.-Apr. 1967.
- Table of contents translated
- Ermolov, M. M. - Geographical space and its future. p. 67.
- Bogdanov, V. V. - Some problems of limnology. p. 106.
- Shpakikh, A. O. - Effect of the Atlantic waters on the formation of the characteristics of hydrometeorological processes in winter as exemplified by the Kura and Laptev Seas. p. 119.
- Ulanov, Kh. K. - Subsurface flow from the eastern shore of the middle part of the Caspian Sea. p. 122.
- Lukhmanov, D. N. - Changes in the distribution of the rural population of northern Kazakhstan during the period 1950-63. p. 126.
- Kruchkov, V. V. - Possible causes of large climatic changes on the earth. p. 135.
- Kurkov, A. A. - Problems concerning the development of the desert region in the temperate zone of the northern hemisphere in the Cenozoic. p. 139.
- Pal'gov, N. N. - Balance method of determining the thickness of mountain glaciers. p. 142.
- Dorofov, I. G. - On the graphic determination of the thickness of the ice of mountain valley glaciers and on the eroding effect of their bottom parts. p. 144.
- Brichkin, A. V., Mikhnev, S. V., Boev, A. V. - High-temperature boring in glaciers under high-mountain conditions. p. 147.
- Sergeev, G. M. - Asymmetry of the principal relief forms in the Kansk-Achinsk basin. p. 148.
- Zengina, S. M., Meleshin, V. P. - Characteristics of karst and associated relief forms of the plateau of the Crimean Mountains. p. 151.
- Vasil'ov, V. N. - More on the origin of the Siberian pene in the Northwestern part of the U.S.S.R. p. 155.
- Krachkovskaya, V. A. - I. I. U. Krachkovskii and his work in the Geographical Society. p. 158.
- Kochina, P. I. A., and others - David Iosifovich Abramovich. p. 174.
- Vinogradov, B. V. - Conference on the utilization of orbiting spaceships in geographical research. p. 175.
- GEOGRAFIJA V SHKOLE [GEOGRAPHY IN SCHOOLS].** Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no. 3, May-June 1967.
- LENINGRAD. ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSLEDOVATELSKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE. Transactions].** Vol. 257, 1967. Ice cover of Arctic Ocean and methodology for calculation of some ice phenomena.
- Table of contents translated.
- Nikiforov, E. G., and others - Fundamentals of methodology for calculation of redistribution of ice in Arctic seas in navigation period under influence of wind. p. 5.
- Bushuev, A. V., and others - Results of expeditionary studies of drift and dynamics of ice cover in Arctic basin in spring of 1961. p. 26.
- Doroshin, I. U. P., Smetanikova, A. V. - Effect of meteorological factors on ice formation time. p. 45.
- Zakharov, V. F. - Changes of ice conditions of Laptev Sea in connection with variations of pressure field in the Arctic. p. 57.
- Krilov, A. A., Spichkin, V. A. - Approximate method for calculation of beginning time of movements of icebreakers by running into unbroken ice. p. 73.
- Shestakov, N. P. - Absorption of solar radiation by sea ice. p. 78.
- Bushuev, A. V., Loshchilov, V. S. - Accuracy of aerial observations and mapping of sea ice. p. 84.
- Stepanov-Shevelovich, D. A. - Study of instability of heliogeophysical relations. p. 93.
- Bulatov, L. V., Zakharov, V. F. - Some characteristics of accumulation and expenditure of heat in southwestern part of Kara Sea. p. 118.
- Timokhov, L. A. - Dynamics of ice cover and changes in its density. p. 125.
- Vol. 278, 1967. Hydrological regime of rivers in Arctic zone.**
- Table of contents translated.
- Grishanin, K. V. - Hydraulic calculation of elements of water regime in river deltas of Arctic zone. p. 5.
- Giliatov, N. P., Ivanov, V. V. - Water regime of Kolyma Delta based on laboratory studies. p. 22.
- Topnikov, L. G. - Formation of rise and flow variations of level in Kolyma bar. p. 39.
- Nalimov, I. U. V. - Ice regime of Anabar River. p. 54.
- Antonov, V. S. - Possible changes of hydrological regime of Lena River in regulating its flow. p. 66.
- Doroshin, N. A. - Level regimes of Anabar River. p. 72.
- Budykina, A. P. - Freezing regime of the mouths of the Kolyma and Indigirka. p. 84.
- Ivanov, V. V. - Bottom sediments and dynamics of Bykov branch of Lena Delta. p. 120.
- Belov, N. A. - Granulometric and mineral composition of suspensions of Laptev Sea. p. 142.
- REFERATIVNYI ZHURNAL: GEOGRAFIJA [JOURNAL OF ABSTRACTS: GEOGRAPHY].** Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967. Avtorskii ukazatel' za 1966 g. [Author Index for 1966].
- SEVASTOPOL. BASSEINOVAIA GIDROMETEOROLOGICHESKAIA OBSERVATORIIA CHERNOGO I AZOVSKOGO MOREI. Sbornik rabot [BASIN HYDROMETEOROLOGICAL OBSERVATORY OF THE BLACK AND AZOV SEAS. Papers].** Leningrad, no. 4, 1966.
- Table of contents translated:
- Stalinskii, I. U. G. - Metamorphosis of brines in the Sivash. p. 3.
- Shul'gina, E. F. - Changes in hydrochemical regime of Lake Danuzlav after joining it with the sea. p. 11.
- Baryshvinskii, G. I. - Salinity as indicator of water dynamics of 300-meter surface layer of the Black Sea. p. 20.
- Chredilov, B. F. - Gradient component of wind current in the Black Sea. p. 34.
- Altman, E. N. - Changes of level and slopes of water surfaces in Korch Strait. p. 49.
- Altman, E. N., Lagutin, B. L., Tolmazin, D. M. - Characteristics of horizontal turbulence in a shallow strait. p. 75.
- Regentovskii, V. S. - Ice conditions of the Sea of Azov and conditions of navigation on Kerch-Zhdanov route in winters of 1962-1963 and 1963-1964. p. 86.
- Cherniakova, A. P. - Anomalies of mean monthly temperature of air on the coast of the Black Sea. p. 96.
- Cherniakova, A. P. - Types of synoptic processes and their effect on temperature regime of the Black Sea in cold season of a year (November-March). p. 104.
- VOPROSY GEOGRAFI [PROBLEMS OF GEOGRAPHY].** Published by Moskovskii filial Geograficheskogo obshchestva SSSR [Moscow Chapter of the Geographic Society of the U.S.S.R.]. Moscow, no. 71, 1966.
- World population geography.
- Table of contents translated:
- Mints, A. A. - Principal changes in the population geography of the U.S.S.R. during the last decades (according to the data of the All-Union population census of 1959). p. 4.
- Plyavarov, I. U. L. - Population of the foreign socialist countries of Europe. p. 20.
- Pokshishevskii, V. V. - Basic problems in studying the geography of the population of capitalist and underdeveloped countries. p. 43.
- Sluka, A. E. - Population of the capitalist countries of Europe after the Second World War. p. 49.
- Solov'eva, M. G. - Changes in the distribution of the population of the United States during the period of imperialism. p. 85.
- Gokhman, V. M., Karpov, L. N. - Present trends in the growth and distribution of the population of North America. p. 116.
- Mashbits, I. A. G. - Some structural and geographical features of the population of Latin America. p. 13.
- Skasliuk, G. V. - Changes in the population geography of independent India. p. 156.
- Streletskaia, L. N. - Some changes in the population geography of tropical and southern Africa during the postwar period. p. 183.
- G. GEOLOGY & PALEONTOLOGY**
- AKADEMIJA NAUK KAZAKHISTANSKII SSR, Alma-Ata. Institut geologicheskikh nauk. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Geological Sciences. Transactions].** Alma-Ata, vol. 10, 1967.
- Tectonics and Paleozoic dynamometamorphism of Kazakhstan.
- Table of contents translated
- Gallitskii, V. V. - Tectonics of the Karatau (southern Kazakhstan). p. 3.
- Patakhka, E. I. - Evaluation of the degree of deformation of fold strata. p. 48.
- *AKADEMIJA NAUK SSSR. Izvestiia. Seriya geologicheskaja [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series].** Moscow, no. 4, Apr. 1967.
- Table of contents translated:
- Vinogradov, A. P. - Formation of ocean. p. 3.
- Rezanov, I. A., Gaidin, N. E. - Geological significance of anisotropy of seismic velocities in earth's crust. p. 10.
- Cherdynceva, V. V., Zverov, V. L., Kishlyayna, G. I. - Heavy radioelements in volcanic processes. p. 17.
- Artyushkov, E. V. - Realization of isostatic equilibrium of earth's crust. p. 26.
- Rub, M. G. - Characteristics of composition and genesis of ore-bearing volcanic-plutonic complexes: a revealed by study made in Balygychan-Sugoy region. p. 34.
- Chilinaeva, N. A. - Iron caps of pyrite deposits of Southern Urals and criteria of their distinction from accumulation of iron hydroxides of infiltrated and sedimentary origin. p. 53.
- Lebedev, V. I., Kotov, N. V. - Dehydration of kaolinite and hydration of melakolite under pressure. p. 7.
- Semikhatov, M. A., Serobriakov, S. N. - Vendian and Lower Cambrian of southeastern part of Eastern Sayan Mountains. p. 87.
- Botukova, V. D., Iuklaevskikh, V. V. - Stratigraphy of Lower Mesozoic sediments of Chelyabinsk lignite basin. p. 103.
- Budinskii, I. U. A. - Water-soluble rock complex in Northern Caucasus in light of experimental data. p. 116.
- Kaluzhnyi, V. A. - Absolute age of granitoids and characteristics of composition of their accessory minerals in zone of rare metal ore manifestations in eastern part of Khatun' Alps in Gornyy Altai. p. 127.
- Pokvol, N. A. - Structural and chemical characteristics of muscovites from Zgid granites (North Ossetia). p. 132.
- Smlnova, M. N., Talalaev, V. D. - Igneous blocks of Taymaz-Kala Mountain (Terek Range). p. 135.
- Babaev, R. G. - Late Jurassic hexacorals (Scleractinia) of northeastern part of Lesser Caucasus (Azerbaijan) and their stratigraphic position. p. 137.
- Donsheidi-Kupletskaya, E. M. - Conference on Mineral Crystallography. p. 155.
- Ginzburg, I. V. - Fifth session of International Association of Mineralogy in Great Britain, 1966. p. 159.
- AKADEMIJA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions].** Moscow, no. 150, 1967.
- Contents: Moskvitin, A. I. [Pleistocene stratigraphy of the European part of the U.S.S.R.] Stratigrafika pleistotsena Evropeiskoi chasti SSSR. 235 p.
- APATITY. SEISMICHESKAIA STANTSIIA. Materialy nabludeni [SEISMIC STATION. Observations].** July-Dec, 1965, publ. 1967.
- GEOFIZICHESKAIA APPARATURA [GEOPHYSICAL INSTRUMENTS].** Issued by Osoboe konstruktorskoe biuro Gosudarstvennogo geologicheskogo komiteta SSSR [Special Design Bureau of the State Geological Committee of the U.S.S.R.]. Leningrad, no. 20, 1967.
- Table of contents translated.
- Chaselnik, V. M. - New geophysical devices designed by the Special Design Bureau at the Ministry of Geology of the U.S.S.R. p. 5.

- Kazak, B. N., Raspopov, O. M. - Automatic micro-
 controlled magnetic microvariation station. p. 100.
 Starchevskii, V. N. - Instruments for meteorological
 measurements on "weather ships". p. 108.
 No. 27, 1966
 Table of contents translated
 Badalian, S. V. - Results of testing the "Erzprospek-
 tor" at the Achat polymetallic deposits. p. 19.
 Bulgakov, I. U., Volik, A. B. - Method of transients
 in inductive electric prospecting with combined
 source and field receiver. p. 23.
 Shaub, I. U., Zhurkin, I. F. - Simulation of
 inertial distortions of aerogeophysical anomalies.
 p. 43.
 Kazak, B. N. - Fluxmeter with adjustable frequency
 characteristics. p. 51.
 Nazarov, S. A. - Construction of seismic instruments
 for small-depth prospecting. p. 59.
 Mukhlina, V. I. - Compensator of magnetic
 perturbations due to electric railroads. p. 82.
 Ivanov, V. G., Natadze, A. L. - Analysis of the trans-
 mission power of a magnetometer with ferrosonde
 transmitter. p. 93.
 Petman, D. L. - Method and equipment for detecting
 certain elements in matter. p. 101.
 Ab, E. A., and others. - Setup for quick-action X-ray
 spectrum analysis of powder probes. p. 104.
 Ab, E. A., Andrianova, G. M., Olova, L. B. -
 Stabilization of the radiation intensity of special
 tubes for X-ray spectrum analysis. p. 108.
 Geil, V. E., Omelin, V. M. - Short-exposure
 electron timer. p. 112.
 Abiamzon, G. V. - Phase detector for even frequencies.
 p. 115.
 Sergeev, E. V. - Methods for determining the ampli-
 tude and phase of periodic signals quantized with
 respect to time. p. 120.
 Vizonal, P. - Stabilization of the feeding voltage
 in hybrid circuits. p. 125.
 Sapozhnikov, B. G. - Observations with an ANCh-1
 unit with high transient resistance of the receiving
 circuits. p. 135.
 Kiselev, I. U., Konoplev, I. U. - Use of a IGNI-1
 pulse neutron generator in well logging. p. 141.
 Pleshivtsev, G. A. - Semiautomatic method of marking
 geophysical anomalies with pennants. p. 146.
 Bolotov, V. D., Zhigalovskii, I. M. - Compensator
 of a temperature shift to zero in magnetometers
 with ferrosonde transmitters. p. 149.
 No. 31, 1967
 Table of contents translated:
 Anurkhanov, B. F., Ryzhkov, M. V. - Helium mag-
 netometer. p. 13.
 Mukhlina, V. I. - Composite proton magnetometer.
 p. 20.
 Lomanyi, V. D., Ivanovskii, D. M. - Precision of the
 rubidium vapor magnetometer. p. 31.
 Korennoi, E. P., Tshel', V. S., Iakovlev, G. A. -
 Application of dynamic polarization in a nuclear
 processing aeromagnetometer. p. 35.
 Kantorovich, V. L., Midisev, B. F., Shilov, V. A. -
 Error due to vibration in aeromagnetometers. p. 40.
 Sazonov, A. M. - Use of nuclear magnetic resonance
 in the elementary analysis of a substance. p. 48.
 Reznik, E. E. - Measurements by means of an astatic
 magnetometer. p. 58.
 Shaub, I. U. - Measurable parameters and their in-
 terpretation in aerial electric prospecting by the
 radiocomparison method. p. 64.
 Mziuk, L. A., Podzharyi, V. M. - Principles of in-
 variant measurements of the semiaxes of the com-
 plete ellipse of polarization of a magnetic field.
 p. 74.
 Nichoga, V. A. - Methods for experimental study of
 low-frequency induction type magnetic receivers for
 an electric prospecting unit. p. 83.
 Vedeikin, A. F. - Noises in scintillation counters with
 NaI (Tl) single crystals. p. 93.
 Gorskiy, I. A. - New technique for determining the
 resolving time of radiometric apparatus. p. 100.
 Vedeikin, A. F., Semenov, E. V. - Some factors affect-
 ing the characteristics of scintillation counters in a
 three-channel radioactive logging unit. p. 104.
 Lerner, S. I., Iankovskii, I. I., Turlov, P. A. - A
 machine for processing field seismic recordings.
 p. 110.
 Krasnikov, V. A., Slepianov, B. S. - Device for the
 interpretation of geophysical anomalies EIP-2.
 p. 119.
 Bodunov, V. P., Tarasov, V. N. - Electric character-
 istics of a single-strand logging cable. p. 123.
 Molchanov, A. A. - A.c. generator for use in electrical
 logging. p. 130.
 Afanas'ev, I. U., Vinogradov, V. N. - Broad-band
 frequency multipliers. p. 134.
 Bodunov, V. P. - Meteorological characteristics of
 heat-resistant radioelectronic parts. p. 144.
 Nichoga, V. A. - Device for measuring the induction
 coil capacitance. p. 154.
 Korneeva, E. A. - High-voltage stabilizer of photome-
 ter voltage. p. 169.
 Mitronov, V. S. - Results of field tests of the VIRG-61
 gravimeter. p. 182.
 Ivanov, M. M., Tshukalev, B. M. - Astronomical
 astronomy methods in magnetic measurements.
 p. 187.
 Mostonko, B. A. - Use of a modernized PFI-1
 magnetometer in measuring remanent magnetization.
 p. 176.
 Oshov, I. U. - Methods to reduce the measurement
 error of a compensator of induction field. p. 181.
 Pleshivtsev, G. A. - Electric manifestations of
 the stability of amplification of aeromagnetic
 transmitters. p. 189.
 Nuzhnaia, E. M., Sun' Shun'-I [Sun Shun-I]
 tion for improving the LAK-11 data of geo-
 logical logging. p. 192.
 Rytsk, A. E. - Unit for determining the content
 of mineral grains. p. 195.
 Bellayev, I. I. - Performance of magnetic mea-
 surements in the tropics. p. 197.
 *GEOKIMIYA [GEOCHEMISTRY]. Issued by the
 Akad. Nauk SSSR [Academy of Sciences of the USSR].
 Moscow, no. 2, Feb. 1967.
 Table of contents translated
 Kogarko, L. N., Polakova, A. I. - Problem of
 apatite nepheline syenites. p. 111.
 Zubakov, V. A. - Geochemical anomalies in the
 tal Pleistocene based on radiometric data. p. 114.
 Khilov, N. I., Arutunyan, L. A. - Method of
 Possibility of molybdenum migration in solu-
 tion of molybdate solutions at increased temperatures.
 p. 155.
 Ryzhenko, B. N. - Determination of hydroxy-
 um silicate and calculation of the composition
 of silicic acid at increased temperatures. p. 157.
 Elinson, M. M., Polyakovskiy, V. S. - Determina-
 tion of solutions which participate in the
 of crystal-bearing veins in diorite. p. 161.
 Bezrodnykh, I. U. - Conditions governing the
 of association of some copper and
 of diorite deposits (a calculated calculation). p. 165.
 Kravtsov, S. R., Kapranov, S. D., Petrova, N. I. -
 Geochemistry of a subalkali in andesite. p. 165.
 Khomikov, A. P. - Role of chemical and
 chemical factors in the distribution of elements.
 p. 197.
 Zhabin, A. G. - Geochemistry of a diorite in
 and dike ultrabasic-alcaline igneous rocks. p. 197.
 Naumov, V. A., Gurin, P. A. - Distribution of
 dium, chromium, cobalt, nickel, and copper
 for enriched intrusions of pegmatite. p. 214.
 Lower Transbaikalia Valley. p. 214.
 Larionov, V. V., Shadrin, M. D. - Some
 features of distribution of natural radionuclides
 in carbonate rocks. p. 221.
 Ryakov, P. V., Baiduk, V. V. - Microchemical
 of the ore deposit in the East. p. 228.
 Durov, M. - Confinement of boron to magmatic
 rocks. p. 233.
 Shecherbin, V. V., Abakov, Sh. A. - Some
 transport phenomena in hydrothermal solutions.
 Ivanov, V. I., Shinkova, I. A. - Spectral
 monazite-xenotime ratio in hydrothermal
 series. p. 241.
 Oren, V. I., Eliseeva, G. D., Kazantsev, A. I. -
 Characteristics of rare earth elements in
 of ancient formations in Middle Asia. p. 243.
 Slugorova, N. A. - Nature of change of magmatic
 boric acid inclusions in the process of
 crystallization from pegmatite. p. 247.
 Gulsanov, L. K. - Origin and regularities of
 of argon in underground waters of oil and
 basins. p. 250.
 Gogishvili, V. G., Khumidze, A. G. - Experiments
 reproduction of banded structure in hydrothermal
 conditions. p. 263.
 Anikina, L. I., Dolobubskaya, T. S., Kuznetsov, A. I. -
 Nature of luminescence of sodalite. p. 266.
 GEOLOGICHESKIY JURNAL [GEOLOGICAL JOURNAL]
 Issued by Vsesoyuznyy nauchno-issledovatel'skiy
 nauch USSR and Dorslavnyi vysshnyy nauchnyy
 komitet USSR [Department of Earth Sciences of the
 Space of the Academy of Sciences of the USSR].
 S. S. R. and the State Institute of Geological
 Science of the Ukrainian S. S. R. Kiev, vol. 20, no. 6
 1969.
 Table of contents translated:
 Subbotin, S. I. - Causes of tectonic movements and
 mechanism of the formation of basic intrusions
 elements of the earth's crust. Part 2. p. 2.
 Samonov, M. P. - Geological time-scale of the
 U. S. S. R.; results of the 7th session of the
 S. S. R. on the Determination of the Absolute
 Geological Formations. p. 17.
 Bilevitsov, I. A., Morozhnikov, R. L. - Genesis of
 Karnavka rocks from the Krivoy Rog field. p. 24.
 Babynets, A. E., Tsapenko, I. I. - Conditions of
 formation of rich hydrogen sulfide waters in the
 boundary of the southwestern margin of the
 Platform and Carpathian piedmont fault. p. 33.
 Saldakovskiy, L. I. A. - Biostatigraphic plan of
 Lower Triassic in the Dnieper-Dnestr fields. p. 50.

- Kucherenko, M. T., Sokol'ska, A. V. - Characteristics of the lithofacies of the Upper Visian coal-bearing formation in the western sector of the Greater Donets Basin. p. 58.
- Pyrygov, B. I., Vagin, V. V. - Using diatoms and amphibolites of the Krivoy Rog Basin for stone casting. p. 57.
- Pollievskiy, P. D. - Study of the Foraminifera of Lower Permian sediments in the northwestern margin of the Donets Basin. p. 74.
- Batmanova, N. M., and others. - Mesozoic and Cenozoic sediments in the Belozerska magnetic anomaly. p. 82.
- Semenenko, V. M. - Kiyalnik sediments in the northern part of the Azov Sea region. p. 90.
- Vavava, K. M. - Hydrogeological features of the Carboniferous in the Lvov-Volyn coal basin. p. 94.
- Al'bov, S. B. - Development of the ancient depression in the Salgir Valley near Simferopol'. p. 98.
- Vengil'skiy, I. V., Kityk, V. I. - Boundaries of the distribution and stratigraphic setting of the salt-bearing formation in Soviet Transcarpathia. p. 100.
- Dolgova, V. M. - Literature on the Ukrainian geology 1950 (to be continued). p. 106.
- Krutoy, V. F. - One more step in studying landslides and means of controlling them. p. 111.
- TSipenko, I. I., Lial'ko, V. I. - Conference on agricultural water supply. p. 112.
- *GEOLOGIA I GEOFIZIKA [GEOLOGY AND GEOPHYSICS]. Issued by Sibirkoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 12, 1966. Table of contents translated.
- Bogolepov, K. V. - Some characteristics of Mesozoic tectonics of extragencynclinal areas in Siberia. p. 3.
- Pinechuk, O. I. - Deep fault in eastern Urals. p. 10.
- Sokol'skiy, E. L., and others. - Phosphorites in volcanic siliceous sediments of Lower Cambrian of Dzhagdy Range. p. 20.
- Sidorov, A. A., Trenina, T. I. - Wall-granitoid gold-silver ore manifestation in central Chukchi Peninsula. p. 38.
- Gamlaun, G. N. - Types of gold mineralization in upper Indigirka Valley and their relationship. p. 45.
- Lapikhov, A. S. - Diffusion transportation of substance in joint cavities and through intergranular spaces in water-saturated rocks. p. 56.
- Matayev, L. M., Bldzhiev, R. A. - New data on structure of Lower Aldan Trough. p. 65.
- Tu'enko, T. V. - Upper Cretaceous Foraminifera of Nyaiba River in southern Sakhalin. p. 72.
- IAkopyev, V. S. - Specific electric resistance of frozen original rocks in natural occurrence. p. 70.
- Shakhov, V. N. - Division of local and regional anomalies, a case of two-dimensional problem. p. 69.
- Suvorov, V. D. - Approximate equation of hodograph of reflected waves for chert boundary of division. p. 101.
- Aksenov, V. V. - Choice of transmitter for inductive measuring of specific inductive capacitance of rock samples. p. 103.
- Makikhin, R. G., Bogush, O. I., Iuferev, O. V. - New data on Upper Devonian and Lower Carboniferous sediments of Noril'sk region. p. 107.
- Lavrent'ev, A. I. - Age of lower Solovka Valley. p. 109.
- Chernenko, Iu. A. - Genesis of quartzites containing iron of Vydrichinsk complex metal ore manifestation in northwestern part of Rudnyy Altay. p. 111.
- Davidenko, N. M. - Increased assay of native gold in its passage to a placer deposit. p. 116.
- Makatschikh, B. A., Nildorov, Iu. V. - Nichate-tantalite from Altai. p. 117.
- Roverdiato, V. V., Sal'ko, A. K. - Temperature of magma of Bor-Uyakh ultrabasic massif. p. 110.
- Godovikov, A. A., Ilyasheva, N. A., Fedorova, Zh. N. - Refinement of diagram of state of system $Bi-B_2Se_3$. p. 123.
- TSvirko, V. F. - Continuation of lead-zinc mineralization of South Verkhoyansk ore region in Akachan basin. p. 124.
- Rostislav Sergeevich Il'in. p. 126.
- Problems of metamorphism of Pacific Ocean margin and composition of upper mantle at 11th Pacific Ocean Congress. p. 130.
- Third Scientific Conference on Geology of Lake Baikal region. p. 134.
- No. 1(65), Jan. 1967.
- Table of contents translated:
- Guray, F. G., Kontorovich, A. E., Fotiad, E. E. - Basic characteristics of formation and distribution of oil and gas pools in Mesozoic sediments of West Siberian Plain. p. 3.
- Martynov, V. A. - Division and problems of correlation of continental Paleogene and Neogene sediments in West Siberian Plain. p. 13.
- Usritskiy, V. I. - Position of North Pole in Late Paleozoic based on paleontological data. p. 25.
- Pavlov, A. L. - Effect of partial pressure of oxygen and temperature on formation of magnetoferrites and iron in paragenesis with hematite. p. 33.
- Kulinich, R. G., Tolmacheva, L. S., Zhukovskaya, A. V. - Elements of tectonics of Khanka Massif and its margin based on geophysical data. p. 41.
- Khomovskikh, V. S. - Characteristics of recent tectonic development of southern depression of Baikal and its mountain margin. p. 52.
- Rozhikov, I. S. - Proterozoic gold-bearing conglomerates of Tarkva deposit, Ghana. p. 60.
- Moliseenko, U. I., Solovova, L. S. - Heat flow of earth according to boreholes in South Minusinsk Trough. p. 75.
- Voronkov, O. K. - Quantitative study of jointing using method of engineering seismic prospecting. p. 83.
- Polap'ov, S. V., Savonov, V. D. - Possibilities of separating disturbances by point-to-point sounding using reflected waves. p. 92.
- Shapoval, I. I. - Nature of magnetic anomalies of Maya basin. p. 103.
- Plalinskii, V. K., Rempel', G. G., Moslenko, B. A. - Construction of basement surface based on data of aeromagnetic survey, as revealed by study made in eastern part of Irkutsk amphitheater. p. 108.
- Bumak, V. A. - Genesis of sulfide mineralization of Lena gold-bearing region. p. 113.
- Kurshakov, D. D. - Isomorphism in axinite group. p. 116.
- Kalinin, D. V. - Low temperature boundaries of tremolite, diopside, and wollastonite in hydrothermal conditions; experimental data. p. 123.
- Gruzdev, V. S., Zhuzin, N. I., Krpezhinskas, K. B. - Chlorides of zinc-lead deposits of Yenisey Range. p. 126.
- Kazakov, I. N. - Upper Proterozoic of Western Sayan Mountains. p. 131.
- Symposium on metallogeny of mercury of Siberia and Far East. p. 139.
- Corresponding Member of the Academy of Sciences of U.S.S.R., E. E. Fontadi, on his 60th birthday p. 142.
- GEOTEKTONIKA [GEOTECTONICS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Mar.-Apr. 1967. Table of contents translated.
- Luchitskiy, I. V., Bondarenko, P. M. - Experiments in modeling areched uplifts of Baikal type. p. 3.
- Rubinshteyn, M. M. - Orogenic phases and periodicity in fold formation in the light data of absolute geochronology. p. 21.
- Eronko, K. - Brief outline on geology of Anatolia (Asia Minor). p. 31.
- TSelaler, V. M. - Relationship between horizontal-meganticline of southwestern part of Gissar Range and adjacent areas. p. 46.
- Pakhomov, I. V. - Paleotectonic conditions governing formation of Kizel coal basin. p. 56.
- Kisichikov, V. N., Roliner, G. I. - Recent tectonics of eastern Kazakhstan and Dzhungaria. p. 71.
- Ermakov, Iu. G. - Structure of surface of basement and Upper Proterozoic-Paleozoic Platform cover of southern slope of Ukrainian Shield. p. 86.
- Gladkov, V. G., and others. - Arcogenous overthrust in northern part of Zagarsky Range (western Transbaikalia). p. 90.
- Kolazev, G. I. - Systematics of enclosed ore belts. p. 94.
- Eleventh Pacific Scientific Congress (Tokyo, Japan). p. 112.
- Problems of tectonics at 11th Pacific Scientific Congress. p. 112.
- Conference on Project of Upper Mantle. p. 117.
- LENINGRAD. VSESIOUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Vol. 125, 1966. Chemical analysis of minerals.
- Table of contents translated:
- Kutpovich, Iu. N., Isaeva, E. A., Lebedev, T. N. - Complete analysis of tantalum-niobates of complex composition. p. 5.
- Belopol'skiy, M. P., Gumbur, K. K. - Methodology of complete analysis of brannerite-type minerals. p. 16.
- Kutpovich, Iu. N., Isaeva, E. A. - Scheme of analysis of some zirconium minerals. p. 27.
- Chuenko, L. I., Skrizhinskaya, V. I., Kutpovich, Iu. N. - Complete analysis of "Tushili". p. 30.
- Bykova, V. S., Skrizhinskaya, V. I. - Photometric determination of tantalum with crystal violet and niobium with thiocyanate from the same batch. p. 46.
- Bykova, V. S. - Determining rare earth elements in oxides. p. 57.
- Belopol'skiy, T. L. - Determining selenium in minerals and rocks containing carbonized organic matters. p. 62.
- Chuenko, L. I. - Complete analysis of tungsten minerals. p. 66.
- Belopol'skiy, M. P., Popov, N. P. - Determining scandium in wolframite. p. 101.
- Chuenko, L. I., Kutpovich, Iu. N., Belopol'skiy, M. P. - Complete analysis of cassiterite. p. 115.
- Chuenko, L. I., Kutpovich, Iu. N. - Complete analysis of oxidation products of stannite. p. 145.
- Stoliarov, I. A., Molzhes, I. B. - Analysis of minerals containing boron with application of ion exchange and complexometry. p. 157.
- Gumbur, K. K. - Determining ferrous oxide in tourmaline. p. 170.
- Molzhes, I. B. - Analysis of fluorites using complexometry. p. 172.
- Stoliarova, I. A., Akel'eva, A. S. - Analysis of phosphate minerals using ion exchange. p. 179.
- Molzhes, I. B., Stoliarova, I. A., Shuvakova, N. I. - Accelerated analysis of some silicate mineral groups. p. 186.
- Molzhes, I. B., Filizina, V. S. - Complexometric analysis of garnets. p. 195.
- Shecherbavich, G. V. - Complete analysis of sphalerite and galenite using ion exchange and complexometry. p. 200.
- *MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Bulletin [MOSCOW NATURALISTS' SOCIETY. Bulletin]. New series, vol. 72. Otdel geologicheskii [Geological Section]. Moscow, vol. 42, no. 1, Jan.-Feb. 1967.
- Table of contents translated
- Makatschikh, G. I., Pavlova, T. G. - Riphean of western part of central Tien Shan. p. 5.
- Velikh, O. A. - Upper structural stage of Precambrian of Yenisey Range. p. 20.
- Sorokhin, V. A., Khramova, S. N. - New data on geology of middle Pechora Valley. p. 26.
- Ermakov, Iu. G. - Initial phase of development of Black Sea Depression. p. 29.
- Somlin, M. I., Belov, A. A. - Stratigraphic division of Dost series of Svanetia (central Caucasus). p. 40.
- Nikolov, N. I. - Latest stage in development of Fennoscandia, Kola Peninsula, and Karelia. p. 49.
- Vakpeter, A. P., Lebedev, S. A. - Plutonism surfaces in area of Mesozoic formations in northwestern U.S.S.R. p. 66.
- Kuznetsova, E. A. - Absolute age of Tagil Massif based on optical data. p. 84.
- Frolov, V. T. - Classification of volcanic sedimentary rocks. p. 102.
- Shchel'nikova, V. N. - Some Pleistocene horizons of Makhkov horizon of western part of Moscow syncline Lutomartidae, second article. p. 109.
- Permatkov, E. N. - Prognostication of main parameters of fractured reservoir rocks. p. 123.
- Messer, V. V. - Valentin Aleksandrovich Terlaev. p. 163.
- PERATATIVNYI ZHURNAL. GEOLOGIA [JOURNAL OF ABSTRACTS GEOLOGY]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967.

13. SCIENCE

a. GENERAL.

AKADEMIJA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports]. Baku, vol. 22, no. 11, 1966.

Table of contents translated:

Sultanova, Z. T. - Degeneration points in linear systems. p. 3.

Dzhalev, T. T. - Inverse problem of Dirac's equation with a singularity. p. 8.

Vatov, L. M., Ruslanov, A. G., Kerimov, I. G. - Electric properties of the antiferromagnetic semiconductor MnTe. p. 13.

Bagirov, M. A., Abasov, S. A., Guseinov, T. I. - Variation in the mechanical strength of a polystyrene film in electrical aging. p. 16.

Garneva, Sh. V., Shikhov, I. A., Askarov, G. T. - Synthesis and some transformations of branched acetylenic hydroxyethers. p. 21.

Zolnailov, B. K., Aliev, R. M. - Synthesis of esters (plasticizers) based on synthetic acids. p. 26.

Bektaev, S. A., Panakh, K. A. - Characteristics of geochemical specialization of titanium-magnetite sandstones on northeastern slope of Lesser Caucasus. p. 29.

Alakhaev, R. A. - "Dolinites" facies of producing layer of northern margin of Drzhoyran-kechmez Depression. p. 34.

Mamedov, Sh. M., Belov, I. S. - Effect of angle of incidence of pool on oil recovery in gravitation regime. p. 39.

Kuliev, A. E. - Theory of efficient profile of nozzle. p. 43.

Alibula, Kh., Aliev, O. B. - Presence of Danian and Lower Paleocene sediments in upper Terter Valley. p. 46.

Abdullayev, M. D. - Intensity of the absorption of phosphorus and calcium radioactive isotopes by osseous tissues in fractures complicated by acute radiation sickness. p. 51.

Gvozdenko, T. M. - Studying the effect of growth promoting substances of petroleum origin on the yield and quality of tomatoes in the Karabakh Lowland. p. 55.

- L. Zarev, B. G., and others - Terminal critical magnetic fields in superconductive metals. p. 1275
 Lobov, S. I., Tsuberman, V. A. - Use of radioactive sources of characteristic radiation in X-ray diffraction studies. p. 1278.
 Rozanov, N. N., Tulub, A. V. - Theory of the Zeeman effect in gas lasers. p. 1280.
 Khachatryan, A. G. - Some problems in the theory of ordering in crystals. p. 1284.
 TECHNICAL PHYSICS
 Volarovich, M. P., Levyn, A. I. - Measuring the velocity of longitudinal elastic waves in rock samples at pressures up to 40,000 kg/cm². p. 1287.
 GEOPHYSICS
 Likhonov, A. G. - Determining the concentration of cloud condensation nuclei. p. 1290.
 Shenberg, G. S. - Mechanism of the generation of volcanic tremors and the remote forecast of eruptions. p. 1294
 CRYSTALLOGRAPHY
 Rogacheva, E. D. - Distribution of the occurrence of light-handed and left-handed crystals. p. 1298.
 CHEMISTRY
 Bundel, I. U. G., and others. - Isomerization of 2,6-cyclohexyl H₂ - cation in a deamination reaction. p. 1303
 Djalilov, B. L., and others. - Addition of nitrosyl fluoride and chloride to alkylperfluorovinyl ethers. p. 1305
 Elakov, G. B., and others - Structure of carbohydrate chains of panaxosides D, E, and F. p. 1308.
 Katsen, E. G., Plamenkov, V. V., Makin, V. V. - Thionylamide of diethylphosphoric acid in diene synthesis. p. 1313.
 Lavrov, N. V., Khaustovich, G. P. - Role of thermal dissociation in the processes of interaction of carbon with carbon dioxide and oxygen. p. 1317
 Pandie, I. S. - Molecular refractions in boronifluorine compounds. p. 1320.
 Slonimskii, G. L., and others. - Difference in supermolecular structures of amorphous polyvinyls obtained by interfacial polycondensation and high-temperature polycondensation in a homogeneous medium. p. 1323.
 Takenov, T. D., Balakirev, V. F., Chufarov, G. I. - Thermodynamic properties of MnO - FeO solid solution. p. 1325.
 Fadeeva, T. A., Pashova, Z. P. - Phase composition of amorphous films obtained by vapor condensation in vacuum heating a mixture of silicon oxide and silicon. p. 1329.
 PHYSICAL CHEMISTRY
 Akimov, I. A., Terenin, A. N. - Experimental verification of the hypothesis on p - n mechanism of spectral sensitization. p. 1332.
 Bogomolova, L. D., and others. - Electron paramagnetic resonance of manganese ions in the vitreous system As - Se - Ge. p. 1336.
 Kazakova, V. M., and others. - Electron paramagnetic resonance spectra of anion radicals in some anomalous hydrocarbons. p. 1340.
 Livshits, V. S., Krylov, O. V. - Nature of the stereospecific effect of heterogeneous catalysis for propylene oxide polymerization. p. 1343.
 Stukan, R. A., Gofundskii, V. I., Makarov, E. F. - Mössbauer effect as analyzer in tracer technique. p. 1347
 Chernuk, I. N., Ditung, I. I. - Reversible photochemical oxidation of chlorophyll by nitro compounds. p. 1350.
 Chirkov, V. I., Vainshteyn, E. F. - Some results of X-ray spectral study of chemical bond in titanium oxides of variable composition (TiO₂, 85 - TiO_{1.20}). p. 1354
 CHEMICAL TECHNOLOGY
 Avgushkevich, I. V., Karayev, N. M. - Determination of acid functional groups in solid mineral fuels. p. 1358.
 Budnikov, P. P., Azetitskaya, R. D., Prokhodetsenko, N. A. - Rheological properties of lime suspensions as influenced by the addition of small amounts of electrolytes. p. 1362.
 GEOLOGY
 Brodskaya, N. G., Kholodov, V. N. - Possibility of reef origin of dolomites of phosphorite-bearing formation of Lesser Karatau. p. 1365.
 Golev, B. T., Sovchik, I. A. V. - First find of Oligocene species Nummulites intermedius D-Archaeon on southern slope of Ukrainian Carpathians. p. 1369.
 Kleytsova, A. A. - Correlation of cross sections of Upper Cambrian sediments of Russian Platform and Ural. p. 1371.
 Konstantinov, M. M. - Dependence of composition of lead-zinc deposits in North Ossetia on depth of their formation. p. 1375
 Provodnikov, L. I. A. - Relief of the basement of Siberian Platform. p. 1379.
 Semikhalov, M. A., Komar, V. I. A. - Usableness of formal species of columnar stromatolites for interregional correlation of Riphean sediments. p. 1383.
 Solov'ev, V. O. - Deep faults in southwestern part of Maritime Territory. p. 1387.
 Timashov, I. E. - New data on Lower Quaternary sediments in the western margin of Yana-Indigirka Lowland. p. 1391.
 PETROLOGY
 Evzikova, N. Z., H'chenko, L. N. - New indications of primary-sedimentary origin of carbonatites of Gulluk intrusion. p. 1395
 Krikov, V. B. - Characteristic of combined distribution of concentrations of petrogenic elements in rocks of andesite-dacite formation (northern Sayan tectonic zone). p. 1398.
 GEOCHEMISTRY
 Korolev, D. F., Kozachenko, S. V. - Experimental study of conditions governing formation of iron sulfides from solutions. p. 1403.
 Cherdynov, V. V., Kolesnikov, P. M. - Aspects of ancient atmosphere in minerals of metallurgical rocks. p. 1405.
 CYTOLOGY
 Meerson, P. Z., and others. - Effect of nucleic acid synthesis inhibitor and stimulation on the development of compensatory hypotrophy and the function of the unique kidney. p. 1409.
 MICROBIOLOGY
 Galanina, L. A., Agatov, P. A. - Effect of antibiotics containing guanidine or urea groups on the mechanism of formation by Actinomyces actinomycetoides strain IS-1. p. 1413.
 BIOPHYSICS
 Pailchok, V. P., Genter, F. I. - Role of oxygen transport in quantitative study of oxygen effect. p. 1418.
 Putaelko, F. K. - Spectral investigation of photochemical effect in films of tetraphenylporphyrine on polyethylene electrodes. p. 1419.
 BIOCHEMISTRY
 Bolchenko, F. A., Zaitsev, V. I. - Iron combination with coenzyme A in plants. p. 1424.
 Glebov, R. N., and others. - Some data on "translocation" of tyrosine tRNA in relation to code translation. p. 1427.
 Gumelevskaya, N. A., and others. - Study of mitochondria and ribosomes of silk-excreting glands in Bombyx mori L. p. 1431.
 Lavstigneev, V. B., Glavilova, V. A. - Electrocatalytic primary oxidation form of chlorophyll. p. 1434.
 Zykova, V. P., Pankina, T. S. - Discovery of a fibrinogen in γ₂-globulin fraction of blood serum protein in rabbits. p. 1439.
 PLANT PHYSIOLOGY
 Chalkashkin, M. Kh., Sakhlov, M. M. - Dynamics of natural gibberellins in seed and seedling plants varieties in relation to gibberellic acid effect. p. 1443.
 Sukol'nik, M. I. A., Bozhenko, V. P., Monast, T. B. - Increase in heat resistance of wheat sprouts after seed treatment with aluminum and cobalt salts. p. 1447.
 PHYSIOLOGY
 Burmistrov, I. M., Shun'anova, Zh. P. - Study of synaptic mechanism of photostimulation of motor fibers. p. 1450.
 Vol. 172, no. 6, Feb. 1967.
 Table of contents translated
 MATHEMATICS
 Azharov, T. A., Mannurov, Kh. - One parameter system for the approximation of functions. p. 1247.
 Davlin, I. I. - General integral representation of holomorphic functions. p. 1251.
 Efremovich, V. A., Morokhov, A. G., and others. - V. I. U. - Correct spaces. p. 1254.
 Zhitomirskii, I. A. I. - Uniqueness character of solutions to the Cauchy problem. p. 1258.
 Ivasishin, S. D., Eldor'man, S. I. - Estimates of Green's matrix of a homogeneous parabolic boundary value problem. p. 1262.
 Lozinskii, S. M. - Estimates of the difference between two matrix functions. p. 1266.
 Petrosian, L. A., Murzov, N. V. - A dynamic matrix follow-up problem. p. 1270.
 Sokolovskii, A. V. - Distance between "neighboring" prime ideals. p. 1273.
 Soldatova, V. V. - A class of finitary defined groups. p. 1276.
 Fateeva, G. M. - Cauchy problem and a boundary value problem for linear and quasi-linear degenerate hyperbolic equations of the second order. p. 1278.
 Feller, M. N. - On the equation $U(x(t)) + P(x(t))U(x(t)) = 0$ in function space. p. 1282.
 Freidlin, M. I. - Elliptic equations in infinite domains. p. 1288.
 Chumkhin, S. A. - Separable group order divisors. p. 1290.
 CYBERNETICS AND REGULATION THEORY
 Solodovnikov, V. V., Lenskii, V. I. - Regularization of problems in the statistical dynamics of automatic control systems. p. 1293.
 THEORY OF ELASTICITY
 Anisov, L. I. A. - Variational principles of dynamics in the theory of shells. p. 1298.
 PHYSICS
 Andreev, N. S., Ershova, T. I. - Interparticle interference in light scattering by submicro-inhomogeneous glasses. p. 1299.
 Volod'ko, L. V., Sovchenko, A. N., Umrelko, D. S. - Systematics of the electronic states of uranyl compounds. p. 1303.
 Kovrov, P. E., and others. - Magnetic field distribution in a coaxial plasma injector. p. 1305.

- Ryzhov, I.U.A., Strizhenov, D.S. - Energy exchange in the interaction between atoms and the surface of an ideal crystal. p.1309.
- TECHNICAL PHYSICS**
Derjagin, B.V., and others. - Applying a coating onto a moving glass rod. p.1312.
- GEOPHYSICS**
Bogdanov, K.T., Magarik, V.A. - Numerical solution of the problem of the propagation of semidiurnal tidal waves (M_2 and S_2) in the world ocean. p.1315.
- CRYSTALLOGRAPHY**
Beilskit, I.A., Gabuda, S.P., Lundin, A.G. - Proton magnetic resonance and the arrangement of hydrogen atoms in natural edingtonite. p.1318.
Khadzhi, I.P., Khadzhi, V.E. - Electron microscopic study of synthetic quartz with a nonstructural admixture. p.1321.
- CHEMISTRY**
Arbuzov, B.A., Butenko, G.G., Vereshchagin, A.N. - Synthesis and study of the steric structure of some 4-piperidones and 4-piperidinols. p.1323.
Luknitski, F.L., Vovsi, B.A. - Formation of β -trichloromethyl- β -ethanesulfone through sulfene in situ. p.1327.
Nesmelanov, A.N., Borisov, A.E., Novikova, N.V. - Dimetallic derivatives of ethylene. p.1329.
Nikolaev, A.V., Sorokina, A.A., Tsubanov, V.G. - Solubility and solid phases in the system CeCl_3 - LaCl_3 - H_2O and CeCl_3 - YCl_3 - H_2O at 25°. p.1333.
Ravvaev, G.A., and others. - Phenyl derivatives of vanadium. p.1337.
Rush, L.U., Shilov, A.E. - Reaction of fluorine with chloromethanes. p.1340.
Sanko, V.I., Bralov, V.A. - Nature of carbon bond in bare nucleus. p.1343.
Teleshov, E.N., Pravednikov, A.N. - Synthesis and properties of polybenzimidazopyrrolone. p.1347.
Cherkasova, E.M., Borisova, E.I.A. - Synthesis of new aliphatic-aromatic aminoamides. p.1350.
Shvachko, V.I., Fogel', I.A.M., Kolot, V.I.A. - Synthesis of ammonia on iron as studied by the method of secondary ion-ion emission. p.1353.
- PHYSICAL CHEMISTRY**
Belous, V.M., Mel'nik, L.P., Chibrikov, K.V. - Luminescence study of bimolecular silver emulsion sensitized by gold. p.1357.
Erofeev, B.V., Dmitrieva, L.P., Potapovich, A.K. - Paramagnetic centers of deficiency in the (1-x) BaSO_4 - $x\text{KMnO}_4$ solid solutions. p.1361.
Korostovshevskii, I.Z., Gol'denfeld, I.V. - Mass spectrometric isotope analysis of organic substances when ionized by a strong electric field. p.1364.
Litvinenko, L.M., Dadali, V.A., Lagulskaya, L.I. - Electronic conductance in the series of substituted phenylhydrazines. p.1366.
Lubetskii, S.G., Erusalimskii, B.L., Gol'denberg, A.L. - Role of anomalous addition reactions in copolymerization processes. p.1372.
Markina, Z.N., Tsiurkha, M.N., Rebinde, P.A. - Hydrophobic binding (solubilization) of hydrocarbons of different nature in aqueous solutions of sodium cholate, a biologically active semicollod. p.1376.
Musaeva, I.A., Kovba, L.M., Spiteyn, V.I. - Reaction of oxides of heavy rare earth elements with sodium oxide. p.1380.
Prokoshkin, D.A., Zakharova, M.I. - Phase equilibria in the system molybdenum - titanium - zirconium. p.1382.
- CHEMICAL TECHNOLOGY**
Sh'vestrovich, S.I., Kazakov, V.D., Savatov, A.I. - Mechanism underlying the two-stage strengthening of glass. p.1385.
- GEOLOGY**
Bol'shakov, A.P. - Zonal distribution of hydrothermal mineralization in Donets Basin. p.1389.
Guseva, E.A. - Paleontological characteristics of Salkamak horizon of Ural Mountain region. p.1392.
Dubelkovskii, S.G. - Age of ore formation of Vynatka-Kama Depression. p.1394.
Zhylovskaya, A.I., Popov, G.I. - Akchagly' of western Uzbekistan. p.1397.
Lazarenko, A.A., Semenov, E.V. - Mechanism of orientation formation of pebbles in alluvium. p.1401.
Lebedinskii, V.I., Shalimov, A.I. - Fossil lahar at Karadag and some characteristics of the structure of Kok-Rya Massif (eastern Crimea). p.1405.
Shurubov, I.U.V. - History of the formation of relief of interfluvies in Polludov Range. p.1400.
- HYDROGEOLOGY**
Lipatskova, E.N. - Thermal waters in Volga-Don region. p.1412.
- MINERALOGY**
Nesterenko, I.P. - Mixed-layered minerals in the weathering surfaces of rocks of basic composition in northern part of middle Dnieper Valley. p.1416.
- GEOCHEMISTRY**
Dvornikov, A.G. - Some data on distribution of mercury in iron-disulfides from coal seams of central Donets Basin. p.1419.
- OCEANOGRAPHY**
Karklin, V.P., Sarukhanian, E.I. - Advancing nature of rotational waves in the ocean. p.1423.
- ECOLOGY**
Shul'man, G.E., Kokoz, L.M. - Food supply for Azov and Black Sea races of *Engraulis encrasicolus* (L.). p.1427.
- HYDROBIOLOGY**
Khmeleva, N.N. - Role of Radiolaria in estimating primary production in Red Sea and Gulf of Aden. p.1430.
- MICROBIOLOGY**
Azova, L.G. - Utilization of glycetin by some butyric acid bacterium cultures. p.1434.
- BIOCHEMISTRY**
Avaeva, S.M., and others. - Enzymatic hydrolysis of pyrophosphate bonds in serylpyrophosphates. p.1436.
Poglavov, B.F., Mieslanzhinov, V.V. - Crystallization of protein of bacteriophage T-2 head in vitro. p.1440.
Shul'mina, A.I., Afanas'ev, N.V. - Kinetics and plastin formation products in enzymatic protein hydrolysis. p.1443.
- PLANT MORPHOLOGY**
Gorodkova-Selivanova, E.A. - Shoot formation on isolated roots of *Podophyllum peltatum* L. p.1445.
- PHYTOPATHOLOGY**
Mazin, V.V. - Role of mustard oils in elaboration of crucifer. p.1440.
- PHYSIOLOGY**
Gambarian, L.S., Garibian, A.A., Ganadian, V.O. - Pathways of conduction of proprioceptive signalization in brain stem. p.1451.
Dokusova, O.K., Klimov, A.N. - Prevention of experimental atherosclerosis development by biotin. p.1454.
Matienko, N.A., Matynova, R.P., Salganik, R.I. - Effect of deoxyribonuclease on the course of spontaneous lymphatic leukemia in mice highly susceptible to leukemia AKR line. p.1457.
- EMBRYOLOGY**
Kondratenko, V.G., Neustroev, G.V. - DNA synthesis in *Megascopus fossilis* (L.) in early embryogenesis. p.1460.

Vol. 173, no. 2, Mar. 1967.

Table of contents translated:

MATHEMATICS:

- Aleksandrov, A.D. - The principle of the maximum. p.247.
Beriland, O.S., Nazarov, I.M., Swidskii, P.M. - Some integral inequalities. p.251.
Borevich, Z.I. - Groups of principal units of p -extensions of a local field. p.253.
Brotskii, V.M. - Multiplicative representation of the characteristic functions of contraction operators. p.258.
Dzhuravov, A. - Index and normal solubility of the general linear boundary value problem for a system of mixed type equations. p.260.
Perri, V. - Generatrices for perfect partitions. p.264.
Savin, A.P. - Structure of a set of points in one-to-one arrangement in continuous mappings of manifolds. p.267.
Sykhin, G.I. - Criterion of the truth of the translation theorem in the theory of normal algorithms. p.270.
Tsimman, L.L. - The total induction axiom. p.273.
Cheresh, V.M. - Near periodicity of bounded solutions to nonlinear systems. p.275.
Chernikov, S.N. - Polyhedrally closed systems of linear inequalities over an arbitrarily ordered field. p.278.

Chorok, V.D. - Unattainable subgroups and the normal structure of finite groups. p.282.

CYBERNETICS AND REGULATION THEORY:

- Krasovskii, N.N., Tretyakov, V.E. - Problem of the encounter of motions. p.285.
Gromov, V.G. - A method of describing the viscoelastic behavior of polymeric bodies. p.288.

ASTRONOMY:

- Korchak, A.A. - Possible polarization of the Roentgen bremsstrahlung from solar flares. p.291.

MATHEMATICAL PHYSICS:

- Petrina, D.A. - Completion of amplitudes in the theory of perturbations in amplitude space. p.295.

PHYSICS:

- Adirovich, L.I., Shakhov, N. - Relaxation of anomalously high photovoltages in cadmium telluride films. p.299.
Alov, M.R., Aleksanian, V.T. - Choice of an S-function in the method of contact transformations. p.302.

- Bellaev, I.U.N., Leonas, V.D. - Interaction potentials of H and He atoms and H_2 molecules. p.306.
Gaikin, A.A., and others. - Isotopic hyperfine structure of electron paramagnetic resonance spectra of Cu^{2+} in ZnWO_4 . p.309.

- Gorshun, A.S., Timan, B.L. - Regularities of an unsteady current in the system metal - dielectric - metal. p.310.
Lomsadze, I.U.M., Krivskii, I.I.U. - Possible formulations of the microcausality principle and some of its corollaries. p.312.

- Smirnov, B.M. - A laser operating on negative ions. p.316.
Epehiev, E.M. - Theory of electroacoustic effects in solids. p.320.

TECHNICAL PHYSICS:

- Geguzin, I.A.E., Boiko, I.U.I., Paritskaya, L.N. - Experimental separation of Frenkel's and Kirkendall's effects. p.323.

- Eganian, I.L., Sellskii, I.A.P. - Effects of atomic ordering in ternary solid solutions based on Ni_3Fe and doped with the elements of Group VI Cr, Mo, and W. p.325.

- Pines, B.A., Kuznetsova, R.I. - Durability of thin electrolytic copper films under longitudinal and transverse loads applied in succession. p.329.

CHEMISTRY:

- Andrianov, K.A., and others. - Conformation analysis of cyclic organosilicon compounds by means of proton magnetic resonance. p.331.

- Arbuzov, B.A., and others. - Reaction of addition of trialkyl phosphites to acrolein. p.335.

- Datallova, N.G., and others. - Synthetic silicate $\text{Y}_2\text{Si}_2\text{O}_7$. p.339.

- Volodina, M.A., Khushkina, G.V., Tolent'ov, A.P. - Stereodirected synthesis of 2-polyhydroxyindanes. p.342.

- Golubskaya, R.B. - Selective isolation and study of intermetallic and carbide phases from Ni-Cr-Al-C alloys. p.346.

- Dmitriev, D.A., and others. - Synthesis of higher 3,4-dihydro-3,4-dideoxy-2-ketoaldonic acids. p.350.

- Zel'man, I.U.V., Krumkants, I.L. - β -Amino- β , β -bis-(trifluoromethyl)- β -propiolactam. p.354.

- Lippman, E.T., and others. - Study of cyclic olefins under stress by means of carbon magnetic resonance. p.358.

- Lukin, A.M., and others. - Phenylazo III. p.361.
Matveeva, N.G., Pankova, E.S., Sel'skaya, O.G. - Reticulate crystalline polymers. p.364.

- Mirzajanova, M.N., Davydova, L.P., Samokhvalov, G.I. - Synthesis of 3-deoxy-D-arabinohexoseonic acid, biological precursor of aromatic amino acids. p.367.

- Sidorov, I.N., and others. - Mass spectrometric study of the composition and vapor pressure of the system $\text{NaF} - \text{AlF}_3$. p.370.

- Turova, N.I.A., Turevskaya, E.P., Novoselova, A.V. - Reaction of magnesium chloride and magnesium alcohols in alcohol solutions. Magnesian cements based on alcohols. p.374.

- Shvekgel'mer, G.A., Shul'man, M.L. - Effect of electron-acceptor substituents on the stability of iminoether halo hydrate. p.378.

PHYSICAL CHEMISTRY:

- Bitukov, I.P., and others. - Nuclear quadrupole resonance of C_{13} in organochloroamines. p.381.

- Vorob'ov, A.I., Dindor, A.F., Skuratov, S.M. - Enthalpy of iodine ion formation in aqueous solution. p.385.

- Spitsyn, V.I., and others. - Radiation effect on the selectivity of yttrium oxide in the decomposition of isopropyl alcohol. p.388.

- Shapoval, G.S., Skobets, E.M., Markova, N.P. - Possibility of preparing stereoregular polymers by electrochemical means. p.392.

CHEMICAL TECHNOLOGY:

- Leon'ova, I.A., and others. - Allowance for the temperature dependence of the energy parameter in calculating the thermodynamic functions of a mixture of solid solutions $\text{Mg}^{2+} \text{Mg}^{1-c} \text{O}$. p.395.

GEOLOGY:

- Bukatchuk, P.D., Ivanovskaya, G.A. - Stratigraphic position of Mesozoic variegated sediments in southern part of Moldavian S.S.R. p.397.

- Kalnin, A.S., Gladkov, V.G., Temnikov, I.U.I. - Relation of formation of tectonic

Sonova, V.F., Kal
of Zelenetskaya as
processes

MICROBIOLOGY

- Kalafutskii, L. V., Kulmova, T. F. - Effect of phage on *Actinomyces streptomycini* B-6 conidia. p. 443.
 Karasevich, I. U. N. - D-arabinose and D-lyxose metabolism in *Torulopsis candida* yeast. p. 445.
 Makarova, G. A., Zharikova, G. G. - Flagella of dissociated forms of *Bacillus brevis* var. G-B. p. 447.

IMMUNOLOGY

- Morilevskii, M. Sh. - Autoantigenic testicular hyaluronidase. p. 449.

BIOPHYSICS

- Litvin, F. F., Krasnovskii, A. A., Jr. - Photochemiluminescence of chlorophyll and its analogs in solutions. p. 451.
 Putselko, E. K. - Sensitization of internal photoeffect of ribonucleic acid by chlorophyll-type pigments. p. 455.

BIOCHEMISTRY

- Vonkster, T. V., and others - Primary structure of valine transport RNA of baker's yeast, nucleotide composition and oligonucleotides of ribonuclease hydrolysates. p. 459.
 Talasikala, R. I., Kol'tsov, V. D., Koreniako, A. I. - Phosphodiesterases of *Actinomyces* No. 5 of cool-color type. p. 463.

PLANT ECOLOGY

- Lobzhanidze, E. D. - Humidity of wood and nucleus formation in some Caucasian representatives of the genus *Quercus* as related to growth conditions. p. 466.

PLANT PHYSIOLOGY

- Stolotov, V. N., and others - Geographical variability of nucleic acid content in embryos of "Bezostala" wheat variety. p. 469.
 Sysoev, A. F., Krasnala, T. S. - Variation in the activity of some oxidative enzymes in wheat shoots hardened to low temperatures. p. 472.

PHYSIOLOGY

- Iezutova, N. N., and others - Distribution of some enzymes (amylase, invertase, dipeptidase, lipase, and monoglyceride lipase) between content and mucous membrane of the small intestine in dogs and rats during digestion. p. 475.
 IAnushko, T., Kallishvskaya, T. M. - Role of kidneys in the humoral function of the physiological antioagulative system. p. 479.

Vol. 173, no. 3, Mar. 1987.

Table of contents translated.

MATHEMATICS

- Aleksandrov, A. D. - Estimates for the derivative of the solution to the Dirichlet problem at the boundary. p. 487.
 Vlasov, L. P. - Chebyshev sets. p. 491.
 Volkov, I. I. - Linear transformations of unbounded complex sequences. p. 495.
 Gludkin, S. G. - Extension of parabolic differential operators to the case of multidimensional time. p. 499.

- Golovin, V. D. - Continuous linear forms on inductive limits of derivative stratifolds. p. 503.

- Dol'berg, M. D., IAsinskaya, N. N. - Lower bound of frequencies of vibrations of elastic systems. p. 507.

- Kantor, I. L., Sirola, A. I., Solodovnikov, A. S. - A class of symmetric spaces with an extendable group of motions, and a generalization of Poincaré's model. p. 511.

- Kachurovskii, R. I. - Nonlinear equations with monotone among other operators. p. 515.

- Molchanov, A. M. - Uniform asymptotic behavior of linear systems. p. 519.

- Nedev, S. I. - Symmetrizable spaces and ξ -mappings. p. 523.

- Serdukova, S. I. - Necessary and sufficient condition of stability in the uniform metric of systems of difference equations. p. 526.

- Turkina, G. N. - A type of contractible curves. p. 529.

- Adel'son-Vol'skii, G. M., Kunin, P. E., Leman, A. A. - A class of learning algorithms of recognition. p. 532.

- Krasovskii, N. N. - Problem of the game-type rendezvous of motions. p. 535.

PHYSICS

- Basov, N. G., and others - Formation of a long spark in the air induced by slightly focused laser radiation. p. 538.

- Voronko, O. N., and others - Possibility of increasing the Q-factor of the resonator in a neodymium laser. p. 542.

- Gernet, G. E. - Variation in the angular and energy distribution in a flux of charged particles crossing a magnetic field. p. 544.

- Moskalenko, V. A. - Electrodynamics of two-zone superconductors. The region near the upper critical field. p. 546.

- Shelest, A. V. - Irreversible evolution of a dynamic system interacting with a statistical ensemble. p. 550.

TECHNICAL PHYSICS

- Alekseevskii, N. E. - Superconductivity in the system $\text{Nb}_3\text{Al} - \text{Mo}_3\text{Al}$. p. 553.

- Kafengauz, N. L. - Characteristics of the heat transfer to a turbulent liquid flow at transcritical pressure. p. 557.

- Nosova, G. N., Travina, N. T. - Temperature dependence of critical shearing stresses in copper-nickel-cobalt alloys. p. 560.

- Filippov, E. S., Givogovich, V. K., Samarin, A. M. - Structural transitions in iron-carbon melts. p. 564.

GEOPHYSICS

- Gastukov, P. S., Smirnov, N. P. - Pressure field variations over the northern hemisphere within the eleven-year solar cycle. p. 567.

CRYSTALLOGRAPHY

- Asatov, I. U. G. - Growth of a hexagonal selenium crystal from a single monoclinic selenium crystal in polymorphic transformation. p. 570.

- Vaislavskii, A. V., Shul'plakov, I. U. F. - Oriented crystallization of α -SiC on diamond. p. 573.

CHEMISTRY

- Babchinskii, T. M., Mozgova, K. K., Korshak, V. V. - Determination of chain transfer constants in the polymerization of styrene in a medium of fluorine-containing solvents. p. 575.

- Litvinova, O. V., Baukov, I. U. I., Lutsenko, I. F. - Rearrangement of trialkylacetylacetonates into trialkylisopropenyloxysilanes. p. 578.

- Minacheva, M. Kh., Bialina, E. M., Treidlina, R. Kh. - Cyclopentadienyl compounds of hafnium. p. 581.

- Netmyshcheva, A. A., and others - Some regularities in the nuclear quadrupole resonance frequency variations of C135 and reactivity in the series of alkyl halides and acid chlorides. p. 585.

- Nesmetanov, A. M., and others - Photolysis of trialkylisocyanammonium cations and other derivatives of isocyanate. Ammonium cyclopentadienylides. p. 589.

- Shostakovskii, M. F., and others - Complex formation of N-vinylindole with molecules of halogens and hydrogen halides. p. 593.

PHYSICAL CHEMISTRY

- Ablov, A. V., and others - Mossbauer spectra of diethoxyanalogues of pyridine. p. 595.

- Volkova, L. M., Chumakovskii, N. A. - Magnitude of SCSL angle in carbocyclohexanes. p. 598.

- Erofeev, B. V., Maizorova, M. V., Mostova, L. A. - New relationship between the kinetic characteristics of the mutual decomposition and electric conductance of cobalt and nickel ion males. p. 602.

- Parbuzina, I. L., and others - Ketonization of carboxylic acids on samarium oxide under steady and unsteady conditions. p. 606.

- Perel'man, V. F., and others - Chemical effects during the preparation of neptunium 239 by means of neutron irradiation of uranyl salts. p. 609.

- Thiasevich, I. U. I., Radul, N. M., Ovcharenko, F. D. - Study of the adsorption of dimethylcarbinol on montmorillonite by means of infrared spectroscopy. p. 615.

- Shapiro, B. I., and others - Electron paramagnetic resonance spectra of ion radicals formed in the electrochemical reduction of some gem-dinitroalkanes and their salts. p. 618.

- IAserson, V. I., Lefei, L. I., Rubinshtein, A. M. - Possible nature of some absorption bands in the infrared spectrum of catalysis and adsorbed molecules. p. 622.

- Iakovenko, E. I., Seigeev, G. B., Kalina, G. P. - Inter molecular reactions in bromine and hydrogen bromide at 80°K. p. 626.

CHEMICAL TECHNOLOGY

- Budnikov, P. P., Krutshuk, L. A., Vinogradov, B. N. - Particular features of crystallization of calcium hydroxide in the presence of gypsum and aluminum oxide. p. 630.

- Platenko, I. U. A. - Crystal chemical interpretation of some intermediate phases in the systems $\text{CaO} - \text{HfO}_2(\text{ZrO}_2)$ and $\text{TiO}_2 - \text{TiO}_2(\text{ZrO}_2)$. p. 634.

- Sanzharovskii, A. T., and others - Breaking elongations as dependent on stress in the study of the long time strength of polymers. p. 638.

GEOLOGY

- Bobrov, V. A., Loginov, I. U. M. - Permian granitoids of central Mongolia. p. 641.

- Volotovskaya, N. A. - New data on characteristics of distribution of Hercynian alkali rocks in eastern part of Baltic Shield. p. 645.

- Rozinov, M. I., Sholpo, L. E. - Natural remanent magnetization of hematite as age criterion of epithermal deposits of Central Asia. p. 648.

- Tolstol, M. P. - Azonal phenomena in hydrogeology and their place among zonal phenomena and importance for mineral prospecting. p. 651.

MINERALOGY

- Belitskii, I. A., Pavluchenko, V. S. - New synthetic barium aluminosilicate-BaAlSi₂O₆ (Cl, OH). p. 654.

- Gorzhavskaya, S. A., Grekulova, L. A., Sidorenko, G. A. - Synthetic columbite and tantalite of binary composition. p. 658.

- Grigor'ev, D. P., IAsinskaya, A. A. - Indications for melting minerals in some meteorites. p. 662.

- Kurepin, V. A. - Paragenetic analysis of a part of the system $\text{NaAlSi}_3\text{O}_8 - \text{KAlSi}_3\text{O}_8 - \text{SiO}_2 - \text{H}_2\text{O}$. p. 665.

PETROGRAPHY

- Molisenko, U. I., Solov'eva, Z. A., Kutolin, V. A. - Thermoelectricality of eclogite and dolerite rocks at high temperature. p. 669.

- Shecheglov, A. D. - Tungsten deposits of Pacific ore belt. p. 672.

GEOCHEMISTRY

- Adyshev, M. M., Kalmurzaev, K. E., Shabalin, V. Y. - Distribution of phosphorus in Cambrian-Ordovician sediments in Sary-Dzhaz basin (central Tien Shan). p. 676.

- Belevtsev, I. A. N., Lugovaya, I. P., Mel'nik, I. U. I. - Possibility of utilizing differences of isotopic composition of oxygen for ascertainment of genesis of high-grade iron ores of Kivoy Rog Basin. p. 678.

PALEONTOLOGY

- Dorofeev, P. I. - Some Tertiary representatives of genus *Betula* L. p. 681.

CYTOLOGY

- Borovlagin, V. L. - Globular structure of cell membranes. p. 685.

HISTOLOGY

- Akmaev, I. G., Hamoy, I. - Ultrastructure of endolites of the nematophysis. p. 689.

- Dezrukov, M. I. - Follicular changes in sheep ovaries in the course of maturation. p. 692.

- Leites, F. L., Lempert, D. L. - Distribution of lipoprotein lipase in the myocardium of reptile and hungry animals. p. 694.

IMMUNOLOGY

- Luk'yanenko, V. I., Sedov, S. I. - Immunohistochemical analysis of interspecific differentiation of human proteins as exemplified by *Aspergillus*. p. 696.

- Pletskii, D. F., Bobova, Z. M. - Immunological changes in experimentaltherosclerosis. p. 699.

BIOPHYSICS

- Zvalinskii, V. I., Litvin, F. F. - Photoconductivity effect of N-nitrosopropylurea on the disturbance of life cycle of leukemic cells. p. 718.

EVOLUTIONARY MORPHOLOGY

- Iakovlev, V. N. - Swimming accommodation in aculeate ostracod shells of the subclass Heterostrophia. p. 722.

PHYSIOLOGY

- Pinos, I. U. L. - Afferent impulsation of kidney nerves in experimental kidney ischemia. p. 725.

- of chloroplast and chromatophore films in bacteria. Their temperature dependence and action spectra. p. 703.

BIOCHEMISTRY

- Goiachenkova, E. V., Zamaraev, K. I., Sheremetov, L. I. - Study of diamine oxidase in swine kidneys by electron paramagnetic resonance method. p. 707.

PLANT PHYSIOLOGY

- Khavkin, E. E., Tokareva, E. V., Varakina, N. N. - Dynamics of nitrogen-containing substances in growing and aging corn coleoptiles. p. 711.

ZOOLOGY

- Shulov, V. A. - Bream with two-row pharyngeal teeth in Solger Lake basin. p. 715.

EXPERIMENTAL MORPHOLOGY

- Goncharova, S. A., Lipchina, L. P., Frankfur, O. S.

Vol. 173, no. 4, Apr. 1987.

Table of contents translated.

MATHEMATICS

- Averbukh, V. I., Smolianov, O. G. - Differentiability in linear topological spaces. p. 735.

- Bellaev, I. U. K. - Limit theorem for the number of high-level intersections by a stationary Gaussian process. p. 739.

- Geisberg, S. I. - Completeness of function shifts in some spaces. p. 741.

- Golodets, V. I. A. - Factor representations of type Π_1 for Clifford's algebra. p. 745.

- Eremkin, I. I. - The "method of penalties" in convex programming. p. 748.

- Ivanov, A. V. - Harnack's inequality for generalized solutions to quasi-linear parabolic equations of the second order. p. 752.

- Izmailov, V. D. - Invariant equipment of a surface of a space affine connectivity. p. 755.

- Iokhvidov, I. S. - Unitary extensions of isometric operators in Pontryagin's Π_2 space and continuations in the Π_1 class of finite sequences of the class \mathcal{B}_1 . p. 758.

- Kaz'min, I. U. A. - A class of interpolation problems. p. 762.

- Romanov, V. G. - Restoration of a function through integrals over rotational ellipsoids having one stationary place. p. 768.

- Sprindzhuk, V. G. - Asymptotic behavior of the number of solutions to certain Diophantine inequalities. p. 770.

- Siarostin, A. I. - Finite groups close to decomposable groups. p. 773.

- Timan, A. F., Trofimov, V. N. - Difference inequalities for functions harmonic in a circle. p. 777.

- Shekennikov, B. A. - Aggregation method for solving a system of linear equations. p. 781.

HYDROMECHANICS

- Shetter, G. M. - Equations for short waves in a viscous heat-conducting gas. p. 785.

MATHEMATICAL PHYSICS

- Khodzhaev, L. Sh. - Characteristics of the decomposition in bundles of a causal S-matrix. p. 789.
- Schwartz, A. S. - A new formulation of quantum theory p. 793.

PHYSICS

- Viglin, A., Kashin, V. - Electromagnetic potentials and their calibration in an anisotropic dispersive moving medium p. 797.
- Vuka, M. F. - The orienting field and dipole polarization p. 801.
- Kivits, V. M., Parilis, E. F., Turaev, N. I. - Simulation of ion reflection from a single crystal. p. 805.
- Tikhonov, A. N., and others. - Nonlinear effect of the formation of a self-sustained high-temperature electrically conducting gas layer in nonsteady-state processes of magnetohydrodynamics. p. 808.
- Shvidkovskii, E. G., Zakharov, V. M. - Thermal conductivity of sodium chloride at helium temperatures p. 812.
- Iudin, D. M., Tsurikova, G. A., Petrovskii, G. T. - Paramagnetic resonance in fluoboroborate glasses containing cobalt and nickel p. 815.

TECHNICAL PHYSICS

- Vakhilov, N. G. - Electromagnetic vibrations in a dielectric cylinder placed between reflecting planes. p. 818.

CHEMISTRY

- Areshidze, Kh. I., Chivakoz, G. O. - Catalyst for dehydrogenation of alkylaromatic hydrocarbons. p. 821.
- Balandin, A. A., and others. - Hydrogenation products of hexahydrodicyclopentadiene-2,3,4,5-tetraylene and other bis-bicyclic dienes p. 825.
- Barshkov, A. N., Krasnovskaya, K. S. - Oxidation of dimethyl- and trimethyl-substituted paraffinic hydrocarbons in the liquid phase in the presence of boric acid. p. 829.
- Karavaev, N. M., and others. - Ortho-effect in the reactions of phenol alkylation. p. 832.
- Krugala, O. A., and others. - Synthesis and properties of bis-(trihydroxyethyl)allanilum p. 834.
- Am, V. I., Krasnovskaya, L. S., Kozlov, A. I. - Active dyes in asymmetric analysis. p. 837.
- Fridlina, R. Kh., Kopylova, B. V. - S-acylation of thionurea by aryl diazonium borofluorides. p. 839.
- Shostakovskii, M. F., Komarov, N. V., Mikhlin, V. K. - Vinylacetylene and its organosilicon and organotin derivatives in dimer synthesis. p. 843.
- Shechenov, G. A., Ustvaluk, I. U. A. - Structure of α -cyclopentadienylmetal compounds p. 847.

PHYSICAL CHEMISTRY

- Apekhar', I. L., Penlatovskii, E. G. - Contribution to the theory of the isomorph phase transformation and critical transition of cerium. p. 851.
- Orlov, A. E., and others. - Vibrational spectra of organometallic compounds with group VB elements. p. 855.
- Zaitov, G. E., Matzuev, Z. K., Emanuel', N. M. - Effect of hydrogen bonds on the reactivity of radicals. p. 859.
- Moisov, I. I., and others. - Mechanism of ethylene oxidation by palladium salts in acetic acid. p. 863.
- Obyedkovskaya, I. E., Cherkasov, A. S. - Mixed esters of dimethyl-substituted anthracene with acetic acid. p. 867.
- Iampolskaya, T. A., Polishchuk, I. U. N., Pollakov, M. V. - Formation of specific silica gels in monomer vapors. p. 870.

CHEMICAL TECHNOLOGY

- Babkin, A. G., Goryshchenko, I. A. G. - Mechanism of niobium and tantalum extraction from sulfate-fluoride solutions. p. 873.
- Kulov, N. N., Malkusov, V. A. - Mass transfer in a pipe with wetted wall during gas phase mixing. p. 876.
- Lavrov, N. V., Bratchikov, S. G. - Some features of combustion and heat exchange in the course of agglomeration by suction of air-water emulsion. p. 880.
- Melik-Galkazian, V. I., Plaksin, I. N., Voronchikhina, V. V. - Mechanism underlying the action of upshot collectors and some surface active substances in foam flotation. p. 883.

GEOLOGY

- Narozhnykh, L. I. - Oncolites and cataglyphs of Yudoma series of Uchur-Maya region. p. 887.

MINERALOGY

- Kalinin, D. V. - Chemical conditions of hedenbergite replacement by andradite, experimental data. p. 891.
- Malinovskii, I. I. U. - Hydrothermal synthesis of iron cordierite in experiments on synthesis of ferrohastingsite. p. 893.
- Morozov, S. A. - Pressure accompanying formation of rock crystal in Pamirs. p. 895.
- Morozova, L. I. - Sources of ilmenite in titanium-zirconium sands of Ukraine. p. 898.
- Poltanov, I. U. A. - Diamonds of cubic habitus from Tertiary placers of Dnieper Valley. p. 901.

PETROGRAPHY

- Karakova, E. N., and others. - Alkali rocks of Islands of Lesser Kurile Range. p. 903.
- Mlagkov, V. F. - Importance of study of curves of distribution of contents for knowledge of processes of ore formation. p. 906.

LITHOLOGY

- Beiger, M. G. - Clay minerals from Lower and Middle Miocene sediments of southeastern part of Dnieper-Donets Lowland p. 910.

GEOCHEMISTRY

- Badalova, R. P., Badalov, S. T. - Assay of gold from endogenous deposits and ore manifestations in Uzbekistan. p. 914.
- Zakharukin, V. V., Gligorenko, M. V. - Titanium and alkalies in amphiboles in metamorphism. p. 917.
- Karasik, M. A., Gerastimova, I. I. - Conditions governing formation of mercury vapors over cinabar. p. 919.
- Potap'ev, V. V., and others. - Geochemical indications of tantalum mineralization in granitoids p. 923.
- Razenkova, N. I. - Mechanism of formation of ilmenites containing germanium p. 926.
- Khetelidze, L. N., Smirnova, S. A., Antkin, I. N. - Transposition of lead in vapors of silicate melt. p. 929.

PALAEONTOLOGY

- Gramm, M. N. - Rudimentary muscle spots in Triassic Cytherelloidea (Ostracoda). p. 931.

HISTORY

- Sukhinin, V. P. - Morphological changes in lacrimal gland of white rats as affected by niacin. p. 935.

GENETICS

- Geodakian, V. A., Kozubskii, V. I. - Control of sex relationships by feedback mechanism. p. 938.
- Stuzumova, L. M. - Use of transplacental reaction in studying intra- and inter-population variation in mammals. p. 942.

MICROBIOLOGY

- Kharua, Y., Afrikan, I. K. - Acylase activity in sporogenous bacteria. p. 945.

BIOPHYSICS

- Volkov, N. G., Llapdevskii, V. K. - Mechanism of night vision in a two-receptor model p. 948.
- Samosudova, N. V., El'phor, I. E. - Characteristics of conductive function of sarcomeres obtained from isolated myofibrils irradiated with ultraviolet waves. p. 952.

BIOCHEMISTRY

- Buzun, G. A., Dzhenukhulze, K. M., Mikhshko, L. F. - Study of localizing polyphenoloxidase in tea leaves. p. 954.
- Pel'ce, I. A. V., and others. - Comparative study of homologies from root nodules of sorbean, broad bean and lupine by disc electrophoresis in polyacrylamide gel. p. 956.
- Filipova, V. N., Soldatenskaya, L. I., Seita, I. F. - Enzymatic activity of acellular portion of rabbit marrow. p. 960.

PLANT PHYSIOLOGY

- Moshkov, B. S., Pumplanskaya, S. L., Tukshanskii, I. A. - Construction of a model of photoperiodic reaction in plants. p. 963.

EXPERIMENTAL MORPHOLOGY

- Neamelnova, T. N., Vorob'eva, A. D. - Response of neuroglia and the regeneration of resected central conductors. p. 967.

PHYSIOLOGY

- Daisinskii, I. U. A., Didenko, A. V. - Change in RNA of motoneurons and biopotentials of ventral radicles following prolonged stimulation of dorsal radicles of the spinal cord in narcotized frogs. p. 971.
- Kritsman, M. G., and others. - Utilization of parenterally introduced C^{14} insulin by organs and tissues. p. 974.
- Teste, D. S. - Comparative study of antigenic composition of denervated and normal liver. p. 978.
- Belkova, N. P., Somov, G. P. - Ability of ticks *Haemaphysalis japonica douglasi* Mull. of Warb. and H. neumanni D. to act as carriers of Rickettsia mukai experimental conditions. p. 981.

Vol. 173, no. 5, Apr 1967

Table of contents translated:

MATHEMATICS

- Delone, B. N., Ryshkov, S. S. - Theory of the extrema of a multidimensional ζ -function. p. 991.
- Got'shteyn, E. G. - Problems of best approximation by elements of convex sets, and some properties of supporting functionals. p. 995.
- Gromov, V. P. - Series of Dirichlet's polynomials of several complex variables. p. 999.
- Iokhvidov, I. S. - Spectral trajectories generated by unitary extensions of isometric operators of shear in finite-dimensional H_2 space. p. 1002.
- Kisilevskii, G. E. - Cyclic subspaces of dissipative operators. p. 1005.
- Persits, D. B. - Geometry over degenerated octaves. p. 1010.
- Sogomonova, G. A. - Some properties of the extremal sequence of regular monic polynomials. p. 1014.

MECHANICS

- Artobolevskii, I. I., Zinov'ev, V. A., Umnov, N. V. - Equations of motion for a mechanism with a vibrator. p. 1017.

HYDROMECHANICS

- Baranisev, R. G., Lulset, M. O. - Boundary conditions for Navier-Stokes equations in a rarefied gas. p. 1021.

THEORY OF ELASTICITY

- Vaisman, A. M., Kunin, I. A. - Boundary value problems in the continuity theory of dislocations. p. 1024.
- Kochanov, F. P. - Solving I. A. Shneiman's generalized problem p. 1028.

PHYSICS

- Adirovich, E. I., Dubrovskii, L. A. - Schottky emission and currents in dielectrics. p. 1032.
- Basov, N. G., Popov, I. U. M., Uspenski, A. V. - Modulation of the radiation from a semiconductor laser by heating the current carriers. p. 1038.
- Davydov, A. S., Masnikov, E. N. - Calculating the energy of molecular excitons. p. 1040.
- Zarinov, M. M., and others. - Effect on paramagnetic resonance of vanadium and chromium in CaF_2 . p. 1043.
- Kolonitskaya, E. V., Telegina, I. V. - Structural changes in quartz in $\alpha \rightarrow \beta$ transitions. p. 1045.
- Kontukhov, V. K., Kulevskii, L. A., Prokhorov, A. M. - Spectrum of two-photon absorption in CdS near the edge of fundamental absorption. p. 1048.

- Slonimova, I. G., Anasikin, I. F. - Effect of the incoherent component of electron scattering on the visibility of an interference pattern. p. 1052.

TECHNICAL PHYSICS

- Georgiev, I. A., and others. - Kinetics of the martensite transformation of hot-deformed austenite. p. 1055.

- Konai, A. P., Stabnikov, M. V., Tarukhano, B. G. - Holography with a direct reference beam. p. 1059.

GEOPHYSICS

- Tikhonov, A. N., and others. - Use of electromagnetic sounding in studying the internal structure of the crystalline basement. p. 1062.
- Shapiro, V. A., Ivanov, N. A. - Dynamic remnant magnetization and the effect of stresses on the remnant magnetization of highly magnetic rocks. p. 1065.

CRYSTALLOGRAPHY

- Kuz'min, E. A., Ushakov, V. V., Belov, N. V. - Crystalline structure of potassium dichromate $\text{K}_2\text{Cr}_2\text{O}_7$ (lopecite) p. 1068.

CHEMISTRY

- Antsyshkina, A. S., and others. - Synthesis and some properties of scandium formate. p. 1073.
- Bogdanov, G. M., Petrov, A. A. - Tetraalkylphosphines and tetraalkylphosphine sulfides from elemental phosphorus. p. 1076.
- Dzizenko, A. K., and others. - Mass spectrometric study of tetracyclic triterpenes isolated from ginseng. p. 1080.
- Dubovinskii, R. U., and others. - Phase relations in the reduction of $\text{NiCl}_2 \cdot 2\text{O}_2$ - NiFe_2O_4 solid solutions. p. 1083.
- Dolgoplosk, B. A., Molisev, I. I., Tikhonova, I. I. - Mechanism of stereospecific polymerization of dienes under the effect of transition metal compounds. p. 1087.
- Zakharukin, L. I., Kalinin, V. N. - Photochemical chlorination of barone (carbanil). p. 1091.
- Krasnina, Zh. A., Iurik, S. S., Kucherov, V. I. - Synthesis of teran compounds on the basis of alkyl- β -ketol esters of the acetylenic series. p. 1095.
- Levitskii, I. I., and others. - Effect of hydrogen pressure on the course of hydrogenolysis of methylcyclopentane over aluminum-chromia catalyst. p. 1099.
- Sokolov, V. I., Ustylnik, I. U. A., Runtov, O. A. - Direct observation of mercurinium ion. p. 1103.
- Solovnikov, V. M., Denisov, E. T. - Acid catalysis of the chain reaction of oxidation of isopropyl alcohol. p. 1106.
- Tolstikov, G. A., Gorinev, M. I., Tolstikova, L. F. - Stereochemistry of the acetylene synthesis of 3-ketotetraenes. p. 1110.
- Kharitonov, I. U. A., Dymina, I. K., Leonova, T. N. - Infrared absorption spectra of geometric isomers $[\text{Pt}(\text{CH}_3\text{NH}_2)_2\text{Cl}_2]$. p. 1113.

- Cheburkov, I. U. A., Platashkin, A. M., Kuznetsov, I. I. - Fluoroketenes. p. 1117.

PHYSICAL CHEMISTRY

- Dudina, L. A., Irzhak, V. I., Entkolopan, N. S. - Thermodynamics of polymerization processes. p. 1121.
- Klabunovskii, E. I., Petrov, I. U. I. - Mechanism of asymmetrical hydroxylation. p. 1125.
- Kuz'min, M. G., Mikhov, I. U. A., Guseva, L. N. - Electrophilicity (Lewis acidity) of excited electronic states of aromatic hydrocarbons. p. 1129.
- Markina, Z. N., and others. - Surface activity of sodium cholate, a biologically active semicrystalline. p. 1132.

- Iablokov, I. U. V., and others. - Electron paramagnetic resonance and magnetic susceptibility of Cu(II) compounds with dicarboxylic acids. p. 1136.

CHEMICAL TECHNOLOGY

- Lavrov, N. V., Evlanov, S. F. - Heterogeneity of the thermal decomposition of methane. p. 1139.

GEOLOGY

- Golovanov, N. P., Raaben, M. E. - Analogues of Upper Riphean on Spitzbergen Archipelago. p. 1141.
- Karetni, I. U. S. - New scheme of development of Silurian volcanism in northern part of Central Urals. p. 1145.

- Huz', O. M. - General solutions to three-dimensional linearized equations in elastic stability theory. p. 56.
- Kutenko, V. D. - Dynamic concentration of stresses near an elliptic hole. p. 60.
- Kushnchenko, A. N. - Convergence of approximations for an S-matrix of scattering in the method of moments. p. 65.
- Repukhov, V. M., Popovych, I. G. - Effect of injection coefficient on efficiency of air film cooling of a plane surface in a turbulent flow. p. 69.
- Grechyni, I. A., and others. - Kinetics of decomposition of austenite in cast graphitized steel at temperatures below 600°. p. 72.
- Pogitshyn, E. N., Zhuk, K. M. - Deformations occurring during the interaction of intersecting slip bands. p. 76.
- Taran, I. U. N., Pyrogova, E. K., Galushko, I. M. - Eutectic crystallization of Al-Cu alloys. p. 79.
- Determining the quality of the transient process of a frequency pulse transmitter in a mine telemeasuring system. p. 85.
- Tarasevych, V. M. - Efficiency of coal mining machines with control and regulation of their feed by the gas generation factor. p. 88.
- Efficiency of the use of electronic computers by establishments of the Academy of Sciences of the Ukrainian S.S.R. p. 94.
- Performance of Republican enterprises operating on a new system of planning and economic stimulation and preparatory work for the extension of this system to other enterprises. p. 95.
- Vol. 20, no. 4, Apr. 1967.
- Table of contents translated.
- Burlachenko, V. P. - Nonabsolute convergence of some types of double series. p. 289.
- Van-An, Ezhov, I. I. - A generalization of homogeneous processes with independent increments. p. 291.
- Malanov, B. O. - Solution of equations with the aid of Lapunov's second method. p. 294.
- Dorohavtseva, V. S. - Existence of eigenvalues of a boundary value problem for a weakly nonlinear differential equation of the second order. p. 297.
- Ivashchenko, S. D., Lavonchuk, V. P. - Solvability of the Cauchy problem and some boundary value problems for general parabolic systems in a class of increasing functions. p. 299.
- Kaspiys'ka, M. T. - Use of the collocation method in solving loaded integral equations. p. 303.
- Lashchenko, M. I. A. - Numerical solution of the Cauchy problem for a class of nonlinear integro-differential equations. p. 307.
- Maikeva'kyi, A. I. - On a certain property of singular minimal operators. p. 311.
- Potolzhil, I. M. - Formulae of division of the fundamental integral representation of χ -analytic functions of the variable $z = x + iy$ when k is equal to an odd integer. p. 316.
- Prytula, I. A. II. - Absolute convergence of Fourier series of almost periodic Bohr's functions. p. 319.
- Potomkin, L. V. - Semigroup rings of finite commutative semigroups. p. 322.
- Soleznova, F. II. - Mixed problem for some equations, correct in Petrovskii's sense, with two independent variables. p. 326.
- Filchakova, V. P. - Matrices of an iterative process of conformal mappings. p. 330.
- Pukhov, H. I. G., Lapa, V. O. - Dynamic analog of the transportation problem. p. 334.
- Kur'menko, V. O. - Law governing the deformation of solids evolved from statistical representations of microstress distribution. p. 336.
- Slimakov, I. U. I. - Friction in anisotropic liquid flow. p. 340.
- Huz', O. M. - Dynamic axisymmetric problem in the theory of elasticity for multiply connected regions. p. 343.
- Kamins'kyi, A. O. - Brittle fracture near holes in compressed bodies. p. 346.
- Mykhalov, V. V. - Transcritical deformation of a short cylindrical shell and a square panel in axial compression. p. 350.
- Prymak, A. V. - Analysis of secondary frequency transformation of telemetric transducer information on heat control of mine atmosphere. p. 354.
- Dunin, K. P., Ievslukov, M. F., Prytonianova, M. I. - Austenite stability in white cast iron. p. 359.
- Zaluts'ki, I. I., Kryp'lyakovich, P. I. - Crystal structure of $LaAl_3$, $CoAl_3$, $PrAl_3$ and $NdAl_3$ compounds. p. 362.
- Kostornov, A. G., Donysonko, I. E. T. - Characteristics of pressing and sintering ceramic metal threads. p. 366.
- Podcherniakov, I. A., Samsenov, G. V., Pomenko, V. S. - Antimission materials for the suppression of network emission in electric vacuum equipment. p. 369.
- Moiselev, I. U. V., Zatulova'kyi, S. S., Chornovol, A. V. - Studying the morphology of nodular graphite in cast iron modified by yttrium. p. 373.
- Now of the Academy of Sciences of the Ukrainian S.S.R. p. 379.
- AKADEMIA NAUK URSR, Kiev, Dopovid. Seriya B: Geologiya, geofizyka, khimiya i biologiya [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports. Series B: Geology, Geophysics, Chemistry, and Biology]. Kiev, vol. 20, no. 1, Jan. 1967.
- Table of contents translated.
- Bilivskiy, H. O. - Characteristics of chemism and regime of underground flow in zone of intensive water interchange in boundaries of western Polissya of Ukrainian S.S.R. p. 3.
- Ishor'iev, O. V. - Occurrence of Mindel-Riss Terrace in northern part of region of Sea of Azov. p. 6.
- IE'romenko, H. K., and others. - Preliminary information on presence of diamonds in recent sediments of northern coast of Sea of Azov. p. 9.
- Ivanikov, O. V. - Giant anionite from southern margins of Donets Basin. p. 13.
- Kushlov, S. S., Smirnov, S. IE. - History of development of Danian - Paleocene cliff belt. p. 17.
- Lalys, I. K. - Molassanite from igneous rocks of Pokrovo-Kiryevo structure (eastern part of the region of Sea of Azov). p. 21.
- Mashiy, V. M., Skarzhyn'skyi, V. I. - Composition and structure of crystalline rocks of southern slope of Volynzh anticline. p. 24.
- Plavshudin, V. H., Gusev, V. V., Shvets', V. V. - Manganoapatite from Mikopoli manganese ore deposit. p. 27.
- Sydorov, V. M. - Hypsometric level of granite formation process. p. 30.
- Bilisei-Poyeta', I. U. I., Haidon-Lianov'skyi, F. A. - Relation between the physical properties of the coals in the western Donets Basin and the geological factors. p. 34.
- Hofshelm, I. D. - Relation between the thickness of the earth's crust under the Carpathian Arch and the migration of tectonic processes. p. 37.
- Indutiy, V. F., Plotnikova, O. F., Chakovsky, N. I. - Dependence of the relative amplitude of damped longitudinal elastic waves on the porosity parameter of nearly stratiform rocks. p. 41.
- Korob'ska, H. U., Tlapkin, K. F., Kharytonov, V. D. - Determining the direction and angles of dip of deep interblock fractures in the Ukrainian Crystalline Shield. p. 44.
- Naukoshnikov, V. B. - Determining the figure of the earth from anomalies of the vertical gravity gradient. p. 52.
- Makar, O. S. - New ways of application of the general fundamental theory of indirect range-finding methods in parallax polygonometry. p. 56.
- Italych, P. M., and others. - Condensation of toluene and methanol on synthetic zeolites with ion-exchange cations of alkaline earth metals. p. 61.
- Nalanson, M. E., Chirnyi, V. H., Balub'ska, N. L. - Isolation of intermetallic compound Ni_3Nb from heterogeneous nickel alloys by the anodic dissolution method. p. 65.
- Ishen'y'kyi, B. II., Dol'berh, O. D., Kovachenko, H. I. - Mechanism of the photochemical oxidizing decomposition of di- and trichloroacetyl chlorides. p. 67.
- Kozina'kyi, M. F. - New principle of sintering refractories. p. 72.
- Zherel'sova, E. M., Kok, T. D. - Biological activity of RNA preparations, isolated from larvae of bee moth, infected with nucleopolyhedrovirus. p. 75.
- Antypchuk, I. U. P. - Comparative morphology of the aortic arch in reptiles. p. 79.
- Puchkova, L. V. - Auxiliary region of the wings in Hydracarina (Hemiptera-Heteroptera). p. 81.
- Lazarenko, A. S., Vysots'ka, O. I., Leonak, I. E. M. - Chromosome numbers in leafy mosses of the Black Sea coast of Caucasus. p. 85.
- Kordum, I. E. L. - Materials on chromosome numbers in *Umbelliferae*. p. 89.
- Pribov state and future development of research in the field of technical microbiology in the Academy of Sciences of the Ukrainian S.S.R. p. 94.
- Summing up work of the institutions of the Academy of Sciences of the Ukrainian S.S.R. on control measures against water "flowering" in reservoirs of Dnieper cascades. p. 95.
- Ukrainian enterprises, working on a new planning and economic incentive system, and other enterprises ready to switch to this system. p. 95.
- Miscellaneous information. p. 96.
- Vol. 20, no. 3, Mar. 1967.
- Table of contents translated.
- Asakova, T. V., Plotnikova, L. F. - New data on Lower Barrenian sediments of western Crimea (Al'ma basin). p. 191.
- Balakov, V. V. - Chromium-bearing muscovite from xenolith of biotite gneiss. p. 193.
- Dovhan', R. M. - Block structure of conjugated zone of Azov Sea area massif with Black Sea Depression. p. 195.
- El'ianov, M. D., Vesolov, A. O. - Age of "speckled clay" horizon in middle Dnieper Valley. p. 200.
- Kropachova, S. K. - Genesis of sedimentary pyrites. p. 203.
- Lilul'eva, S. A. - First find of *Nannococcus* in Turoonian sediments of Dnieper-Donets Lowland. p. 208.
- Naumenko, V. V., Honcharuk, A. F. - Genesis of mercury mineralization in Miocene sandstones of Transcarpathia. p. 211.
- Nedballo, P. P., Solov'skyi, T. M. - Hydrogeological closure of subsurface and prospects for finding oil and gas in Lvov Paleozoic Depression based on hydrochemical data. p. 214.
- Perlovskiy, M. H. - Prospects for finding commercial accumulation of native sulfur in Paleozoic salt formations of Dnieper-Donets Lowland. p. 218.
- Sokolov'skyi, K. I. - Method of analytical continuation of a two-dimensional field. p. 221.
- Ostrov'skyi, A. L. - Geodetic method for determining corrections to refraction in azimuth at Laplace points. p. 226.
- Bahnel's, A. II., Volshtein, V. IU., Davydov, L. A. - Some results of study of O^{18} isotope content in waters of the tropical Atlantic. p. 230.
- Troshkina, O. H. - Dependence of sensitivity of spectral determination of microquantities of fluorine on temperature of arc and composition of plasma. p. 232.
- Berezinskiy, A. S., Krasnaya, N. M. - Determination of elementary hypothetical reactions in the subsolidus structures of multicomponent systems and the solution of some other problems by means of electronic computer. p. 237.
- Zhuravskiy, E. A. - X-ray spectral examination of some compounds of iron with light elements. p. 240.
- Ivanchev, S. S., Trigova, S. G. - Some di-tert-butyl esters of dibasic aliphatic peroxides as initiating agents of radical polymerization. p. 243.
- Kruglitskiy, N. N. - Complete rheological curves of aqueous dispersions of argillaceous minerals. p. 247.
- Samodurov, S. A., Malkovskiy, K. I., Dolgatiev, A. A. - Nature of the third maximum of liquid phase oxidation of mesitylene initiated by cobalt bromide. p. 251.
- Kozinskii, N. F., Ivanov, I. U. K. - Smearing of refractores. p. 254.
- Alaigov, H. B., Khramenko, B. H. - Innervation of human hypophysis under pathological conditions. p. 259.
- Nekutenko, H. P. - Guide for determining genus *Gasterosiphon* Leach (1815) (Lepidoptera, Plutidae) species by using hidden wing pattern. p. 263.
- Kutik, H. I. - Interactive capacity of sulfinyl groups of transplanted tumors with different sensitivity as to alkylating antitumor compounds. p. 266.
- Altamurov, B. - New species of *Myxosporidia* from fishes of Uzbekistan. p. 270.
- Monchenko, V. I. - Copiped crustaceans (Crustacea, Copepoda) in the Pripyet River and its tributaries. p. 273.
- Planning scientific research work in the institutions of the Chemical Technology and Biology Departments of the Academy of Sciences of the Ukrainian S.S.R. for 1967. p. 278.
- Planning scientific research work in the institutions of the Social Science Department of the Academy of Sciences of the Ukrainian S.S.R. for 1967. p. 279.
- Intensification of scientific research work in genetics in the institutions of the Academy of Sciences. p. 280.
- Present state and future development of scientific research work on biological control methods against pests and plant and animal diseases. p. 280.
- Miscellaneous information. p. 281.
- Pohrebnyak, L. P. - Fifth Ukrainian Conference of Parasitologists. p. 282.
- Vol. 20, no. 4, Apr. 1967.
- Table of contents translated.
- Baranova, M. M., Hevork'ian, V. Kh. - New type of phosphatization in Paleogene in southern part of Ukraine. p. 287.
- Bukatchuk, P. D., Burdenko, B. V., Ivanov'ska, H. O. - Stratigraphy of Paleogene sediments in Moldavian S.S.R. p. 289.
- Dvornikov, O. H. - Distribution of mercury in anhydrites of Dokovo-Khrustal'noye Trough (Donets Basin). p. 293.
- IE's'kov, B. II. - Determining characteristics of strength of tonicity of alluvial soils based on peculiarities of their composition and physical properties. p. 298.
- Zornals'kyi, B. F., Solin, I. U. I. - Significance of find of *Nannulites florialis* Zorn in Bolytsika Depression for stratigraphy of shallow Paleogene sediments. p. 302.
- Ignatchenko, M. O. - Solubility as a probable factor of coal metamorphism and lithification of sedimentary rocks. p. 305.
- Kutazov, H. I., Kudella, V. K. - Semiconductive properties of hypogene and sedimentary-diagenetic galenites. p. 309.
- Kraushkin, V. O., Kazakov, S. D. - Trace elements in crude oils from Prutuk oil field. p. 311.

1786

- Bronnikova, N. M., and others. - Accurate photographic positions of minor planets observed at Pulkovo, p. 620.
- Kiseleva, T. P., Koroleva, L. S., Sholov, V. A. - Accurate photographic positions of minor planets observed at the Cape Observatory, p. 637.
- Kochina, N. G., Chernykh, I. S., Sholov, V. A. - Observations of minor planets made at the Crimean Astrophysical Observatory. Report No. 2, p. 645.
- Chernykh, N. S. - Observations of the comets Seki-Teiya (1965f) and Alcock (1965 h) at the Crimean Astrophysical Observatory, p. 617.
- AKADEMIYA NAUK SSSR. Institut teoreticheskoi astronomii. Rezultaty nabludeniĭ sovetskikh issledovatel'skikh spetsial'nykh Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, nos. 73-75, 1964, nos. 76-78, 1965, nos. 77-82, 1966.
- Table of contents translated
- Kazimich-Polonskaya, E. I. - Some current problems in comet astronomy viewed from the positions of modern celestial mechanics, p. 3
- Kazimich-Polonskaya, E. I. - Improving the theory of the movement of the comet Wolf 1 during the period 1918-25 and its close approach to Jupiter in 1922, p. 24.
- Kazimich-Polonskaya, E. I. - Evolution of the orbit of the comet Wolf 1 during the 400 years from 1600 to 2000. Preliminary investigation, p. 63.
- Kazimich-Polonskaya, E. I. - Possible common origin of the comets Wolf 1 (1884 III) and Barnard (1892 V). Preliminary investigation, p. 86.
- AKADEMIYA NAUK TADZHIKSKOI SSR, Dushanbe. Institut astrofiziki. Bulletin [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Astrophysical Institute. Bulletin]. Dushanbe, no. 41/42, 1966.
- Table of contents translated.
- Isaev, P. B., Sukova, N. N., Krasnolukov, S. A. - Photographic observations of the orbital elements of meteors in Dushanbe during 1960-1963, p. 3.
- Bakharev, A. M., Shodiev, U. - Photographic observations of a meteor train, p. 13.
- Sharsov, I. Sh. - Method of determining the initial radius of overdense meteor trains, p. 20.
- Ivanov, V. I. - Distribution of energy in a spectrum and the color index of one meteor, p. 26.
- Shodiev, U. - Meteor trail of the Orionid shower, p. 31.
- Dobovolskiĭ, O. V. - Halo formation in the head of the comet Isonda 1955 V, p. 37.
- Egibekov, P. - Distribution of the density of gas molecules in the head of the comet, p. 39.
- Dobovolskiĭ, O. V. - Problem of photolization of cometary atmospheres, p. 41.
- Ibadov, Kh. Kh. - Outbursts of the comet Arend-Roland 1957 III and the solar activity, p. 41.
- Dobovolskiĭ, O. V. - Theory of optically dense cometary atmospheres, p. 47.
- Karimova, N. N. - Theory of shock waves in comets, p. 51.
- Bozdzyko, V. I. - Two long-period cepheids, p. 55.
- Ereksova, G. E. - Verifying the elements of changes in the brightness of eight little-known variable stars, p. 59.
- Mammadov, O. - Photometry of the galaxy NGC 3992, p. 65.
- Shakhovskoi, N. M. - Polarimetric observations of the eclipsing systems RY and RZ Scuti and estimations of the mass of their gaseous shells, p. 69.
- No. 47, 1966.
- Table of contents translated:
- Chebolarev, R. P. - Single-value measurements of meteor distances, p. 3.
- Platov, G. S. - Orbital elements of V 399 Cyg, p. 7.
- Platov, G. S. - On the long-period cepheids AP Sgr and RY Sco, p. 10.
- Salyvaldiev, V. - Seventeen little-known variable stars, p. 17.
- Ereksova, G. E. - Maximum moments of Mira stars, p. 35.
- No 48, 1966.
- Table of contents translated:
- Marochuk, L. S. - Mechanism underlying the relaxation of stellar systems without the individual encounters of stars, p. 3.
- Vasil'yanovskaya, O. P., Ereksova, G. E., Shakhovskaya, N. I. - Investigation of long-period cepheids belonging to the spherical component of the Galaxy. Report No. 1. Normal light and color curves, p. 9.
- Mammadov, O. - Photometry of the galaxy NGC 5033, p. 22.
- Egibekov, P. - Model of the nucleus of a comet, p. 25.
- Egibekov, P. - Upper limit of molecular hydrogen content in comet atmospheres, p. 32.
- Krylov, A. G. - Study of the KIM-3 coordinate measuring machine, p. 35.
- *ASTROFIZIKA [ASTROPHYSICS]. Issued by Akademiya nauk Armianskoi SSR [Academy of Sciences of the Armenian S.S.R.]. Erevan, vol. 3, no. 1, Feb. 1967.
- Table of contents translated
- Sobolev, V. V. - Number of scatterings in photon diffusion. Part 3, p. 5.
- Kostik, R. I. - Matrix equations describing the diffusion of radiation. Part 2, p. 17.
- Papayan, V. V., Sedukhin, D. M., Chubarian, E. V. - Nonrelativistic theory of rotating configurations, p. 41.
- Marikarian, B. E. - Galaxies with an ultraviolet continuum, p. 55.
- Pustyl'nik, I. B. - Monochromatic reflection effect in close binary stars, p. 69.
- Karachentsev, I. D. - Comment on hydrogen density in galactic clusters, p. 89.
- Makarenko, E. N. - Position of the gas-dust layer in galaxy M 31, p. 93.
- Egensen, A. M. - Phase density of white dwarfs on the color - luminosity diagram, p. 103.
- Fesenko, B. I. - Observational selection and statistics of the visual double systems. Part 2, Statistics, p. 111.
- Gershberg, R. E. - Photometric and colorimetric characteristics of eruptive stars, p. 127.
- Iskudrian, S. G., Shakhbuzian, R. K. - Supernova in NGC 2276, p. 133.
- BYURAKAN. OBSERVATORIIA. Soobshcheniia [OBSERVATORY Reports]. Erevan, no. 37, 1966.
- Table of contents translated:
- Ivanova, N. L., Kazarian, M. A., Oganesian, R. Kh. - Spectrophotometric investigation of Nova Herculis 1963, p. 3.
- Grigor'ian, K. A. - Polarimetric observations of μ Cep, p. 16.
- Vandanian, R. A. - Polarization of the light of cold supergiant stars, p. 23.
- Khachikyan, E. E., Epremian, R. A. - Observations of Everhart's comet (1964 h) in Byurakan, p. 48.
- Martirosian, M. A. - Application of the principle of digital transformation to the measurement of brightness distribution, p. 59.
- *KOSMICHESKIE ISSLEDOVANIYA [SPACE RESEARCH] Issued by Akademiya nauk SSSR [ACADEMY OF SCIENCES OF THE U.S.S.R.]. Moscow, vol. 5, no. 2, Mar.-Apr. 1967.
- Table of contents translated
- Rumyantsev, V. V. - Stability of the stationary movements of satellites with a rotor and a cavity containing liquid, p. 103.
- Platonov, A. K. - Optimum properties of correcting maneuvers when using an engine with limited thrust, p. 170.
- Troshchik, V. A. - Optimum conditions for the motion of multistage rockets, p. 176.
- Ustinov, B. A. - Movement of satellites along orbits with small eccentricity in the noncentral gravitational field of the earth, p. 184.
- Lavitsk, V. N. - One method for determining the oscillating flight orbit of an artificial earth satellite, p. 194.
- Vlasov, I. S. - Nomogram for determining the lifetime of an artificial earth satellite, p. 200.
- Nelmand, V. L., Snigirev, I. U. - Thermal conditions of a space vehicle at the reentry speed near 15 km/sec, p. 205.
- Konlev, V. G. - Optimum utilization of aerodynamic forces for the maneuvering of an aircraft, p. 212.
- Kokarin, I. U. L., and others - Possibility of a more precise definition of some astronomical parameters of the system earth - moon by the use of the optical location method, p. 219.
- Kozlov, S. I. - Recording possibility of the "gamma-glow" effect of the high-altitude thermonuclear explosion of July 9, 1962, by retrometric stations in Alaska and Western Sumatra, p. 225.
- Danilin, V. A. - Ionospheric wave guide channels for long-distance radio communication below the maximum of the F2 layer, p. 231.
- Tulinov, V. F. - Role of corpuscular radiation in formation of the lower ionosphere, p. 240.
- Gringauz, K. I., Bozrukikh, V. V., Breus, T. K. - Method for determining the ion temperature by the changes of the current of an ion trap caused by the spin of a satellite, and evaluation of the upper boundary of ion temperature at altitudes $\leq 10,000$ km from the data aboard "Elektron-2", p. 245.
- Gringauz, K. I., Bozrukikh, V. V., Musatov, L. S. - Observations of the solar wind by means of interplanetary station "Venera-3", p. 251.
- Kurnosova, L. V., and others - Effect of the decrease of intensity of the nuclear component of cosmic rays during magnetic storms with sudden onset, p. 259.
- Pavel'ov, A. G., Strelov, G. M. - Distribution of radioluminescence temperature over the Venus disc, p. 265.
- Zlitenik, I. A., and others - Image and spectrum of the sun in the $9.5 \times 200 \text{ \AA}$ region, p. 276.
- Tilt, V. M., Kurt, V. G., Katushina, V. V. - Studying the receivers intended for measuring ultraviolet radiation in the upper atmosphere of the earth and in outer space, p. 280.
- Vaulina, E. N., Anikeeva, I. D., Parfenov, G. P. - Chlorophyll on board "Kosmos-110", p. 285.
- Glembolskiĭ, I. A. L., and others - Reciprocal lethality in X chromosome of Drosophila and the genetic safeguard during the space flight aboard the spaceship "Voshkod", p. 293.
- Karymov, A. A. - Determining the illumination time of an artificial earth satellites by the sun, p. 293.
- Zhuilin, B. L. - Maximum eclipse time of earth satellites, p. 301.
- Smokhin, M. V. - Origin of solar wind, p. 305.
- Kuzhevskii, B. M., and others - Preferential acceleration of heavy nuclei on the sun, p. 306.
- Krasovskii, V. I. - Geometric calculation model of solar heat flows reflected from the planet, p. 308.
- Gringauz, K. I., and others - Comparison of some results in simultaneous measuring of solar wind characteristics made on board cosmic vehicles "Venera-3" and "Pioneer-6", p. 310.
- Dejone, N. L., Antipov, V. V. - Further study of the effect of space flight conditions on the chromosomes of the primary roots of embryos in the seeds of some higher plants, p. 312.
- Zhulin, I. A., Skutidin, G. A. - All-Union Symposium on Physics of the Sun and the Earth, p. 318.
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Astrofizikas laboratorija. Raksti. Tudy Astrofiziskaj Laboratorij [Academy of Sciences of the Latvian S.S.R. Astrophysical Laboratory. Transactions]. Riga, vol. 10, 1966.
- PULKOVO. GI AVNAIA ASTRONOMICHIKSKAJA OBSERVATORIIA. Izvestiia [MAIN ASTRONOMICAL OBSERVATORY. Bulletin]. Leningrad, vol. 24, no. 3 (170), 1966.
- Table of contents translated
- Pliginskii, A. I. - System of light ascensions of the equatorial stars of the new Pulkovo absolute catalog, p. 3.
- Kosin, G. S. - Comparison of catalogs of declinations of Pu_{50}° and Pu_{60}° with the fundamental systems, p. 13.
- Kosin, G. S. - Observations of the sun and planets with the vertical circle at the Pulkovo Observatory, p. 16.
- Medvedeva, L. I. - Study of the divisions of the Eitel vertical circle of the Pulkovo Observatory used during the observations of Polaris (polaris) BD 89° 3', p. 22.
- Gadysov, N. P. - Program for observations made with a prismatic astrolabe, p. 31.
- Redin, V. S. - Determination of the aberration constant from latitudinal variations at the Pulkovo Observatory during 1920-1928, p. 35.
- Ivakin, V. M., and others - Electronic device for the measurement of photographs of a limb, p. 40.
- Sheptunov, G. S., Sheptunova, A. N. - Determination of the value of a revolution of the ZT-180 micrometer screw at Blagoveshchensk, p. 46.
- Baranovskii, D., and others - Results of the investigation of the Zeiss zenith telescope at the Uranium Observatory, p. 52.
- Lavdovskii, V. V. - Investigation of four open star clusters on the basis of recent photometric data, p. 60.
- Deleĭ, A. N. - Galactic nuclei, p. 95.
- Koroleva, L. S. - Determination of the photographic magnitude of stars and galaxies in the selected areas of the sky of the Pulkovo plan of KSZ, p. 110.
- Orlova (Chudovicheva), O. N. - Investigation of the expansion of the Crab nebula and the proper motions of the surrounding stars, p. 115.
- Sokolova, V. A. - Determination of the proper motion of NLG 1010 and the surrounding stars, p. 133.
- Kislev, A. A., Kiseleva, T. P. - Estimation of the refraction in photographic astrometry, p. 153.
- Kinaev, I. I. - Automatic plate holder for the 20-inch refractor of the Main Astronomical Observatory of the Academy of Sciences of the U.S.S.R., p. 160.
- Deleĭ, A. N. - Results of the observations of minor planets at the Pulkovo Observatory, p. 162.
- Tsvastherina, K. N. - International scientific connections of the Pulkovo Observatory during 1964-1965, p. 167.
- Vol. 24, no. 4 (160), 1966.
- Table of contents translated:
- Baranova, L. N., Kral, V. A. - Function of a source of proper emission for dispersing mediums, p. 3.
- Rubushov, B. M. - Determining the distribution of angular velocity of solar rotation in subphotospheric layers, p. 11.
- Vilinskii, I. I., Ikhsanov, R. N. - Some characteristics of the development of sunspot groups, p. 20.
- Ikhsanov, R. N. - Connections between the intensity of the magnetic field and sunspot areas, p. 41.
- Ikhsanov, V. N. - Solar radio emissions during 1950-1963 in the centimeter wave range obtained from observations using the large Pulkovo radiotelescope. Report No. 1, p. 61.
- Kozvrev, N. A. - Spectral study of volcanic phenomena in Kamchatka, p. 76.
- Chistakov, I. U. N. - About the nature of lunar surface emission, p. 83.

- Petrova, N.N. - Possible interpretations of some variable bands of the luminous emission p. 91.
- Kokhan, E.K. - The AFM-6 device and experimental observations with it. p. 96.
- Kuznetsova, T.N. - Spectrophotometry of the hydrogen and continuous spectrum of the star β Cen. p. 102.
- Popov, V.S. - Spectrophotometry of the linear spectrum of some stars of the β Cen type. p. 115.
- Bystraya, N.V., Egorova, T.M., Ryzhkov, N.F. - Interstellar hydrogen in the region of the galactic center. p. 125.
- Bystraya, N.V., Gushchinskii, I.V., Ryzhkov, N.F. - Radio observations of neutral hydrogen in the direction of the association Monoceros II. p. 130.
- Kuprevich, N.F., Kurmaeva, A.Kh. - Possibility of statistical determination of the nonuniformity of televised images of stars. p. 136.
- Morozova, E.V. - Influence of stellar scintillation on the line profiles in the sunspot spectrograph. p. 143.
- Pliginskii, G.A., Frolov, V.N. - Astrophysical expedition in the region of the Issyk-Kul high-mountain lake. p. 147.
- Breido, I.L. - Spectral sensitivity and resolving power of infrared films. p. 154.
- Breido, I.L., Chebotareva, T.P. - Equidensitometric method based on the Sabatier photographic effect and its application to the photometry of nebulae and comets. p. 159.
- Bromikova, N.M. - Photometry of the Seki-Lines Comet (1962c) by the equidensity method. p. 174.
- Grossval'd, E.G., Tavastshina, K.S. - Investigation of models of the hyperbolic nature of a large telescope by experimental methods. p. 184.
- El'mov, A.A. - Special theory of relativity and the law of conservation of momentum. p. 189.
- TARTU, ASTRONOMIA OBSERVATOORIUM, Publikatsioonid, Publikatsii Tartusko astronomilise observatooriumi [ASTRONOMICAL OBSERVATORY, Publications].** Vol. 34, 1964
- ZEMLIA I VSELENNAYA [EARTH AND THE UNIVERSE].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 3, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Kamanin, N.P. - First orbiting spaceflight in the world. p. 2.
- Aleksandrov, L.A. - Meteorological experiment of the "Cosmos-122" satellite. p. 10.
- Gushchinskii, N.P. - Geophysical study of the Antarctic. p. 13.
- Quarin, A.L. - Origin of life on earth. p. 27.
- Martynov, D.I.A. - Discovery of the tenth satellite of Saturn. p. 32.
- Kozlovskii, P.G. - From the history of Soviet astronomy (1921-1930), documentary photographs, brief news. p. 33.
- Mikhator, A.A. - Astronomical length unit. p. 39.
- Plakhotnik, A.F. - Stop radioactive contamination of the world ocean. p. 44.
- Sablin, K.D., Galkin, O.P. - Internal waves and their manifestation on the surface of the sea. p. 48.
- Stizhevskii, L.N. - Hurricane Joz. p. 61.
- Ehremov, I.U. - Unusual variable stars. p. 63.
- Khachikyan, E.E. - Astrophysical observatory in Byurakan. p. 69.
- Radetskiy, V.V., Demidovich, I.G. - Satellite watchers in the German Democratic Republic. p. 68.
- Mikhailov, A.A. - F.A. Venig Meinesz. p. 72.
- Zigel', F.I.U. - Camille Flammarion; on the 125th anniversary of his birth. p. 74.
- Mil'khuker, M.A. - Simple device for the photometry of the moon's light. p. 79.
- Marienski, A.D., Zabolotny, V.F. - Astronomical observations from May through June, 1967. p. 83.
- Kopelskiy, M., Letfus, V. - Public observations of Czechoslovakia. p. 87.
- Vorob'ev, G.G., Shkrov, G. - Czechoslovak amateur astronomers. p. 92.
- Lavrov, L.I., Vsevolodov, B.P. - Pathomorphology of onitobithiaziasis of cattle. p. 156.
- Karamendin, O.S. - Morphology and taxonomy of some Trichostomylidae. p. 169.
- Ostapov, P.P. - Nematodirus infestation of sheep in western Kazakhstan. p. 182.
- AKADEMIA NAUK SSSR, Izvestia, Seriya biologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Biological Series].** Moscow, no. 3, May-June 1967
- Table of contents translated:
- Kozda, V.A., Iakushevskaya, I.V. - Evaluation of earth biomass. p. 331.
- Ierusalimskii, M.D. - Biochemical principles of growth rate regulation in micro-organisms. p. 339.
- Shaposhnikov, V.N., and others - Accumulation of organic acids in the development of some mycobacteria on N-paraffin containing media. p. 351.
- Blinov, N.O., and others - Classification of antibiotic quinones of the actinomycete origin. p. 357.
- Vorob'ev, M.L., Ruban, E.L., Suvorov, N.N. - L-tryptophan biosynthesis from indole and its derivatives in yeast and Escherichia coli. p. 374.
- Karavanko, G.I., Golomzhik, A.I., Filpenko, V.S. - Microbiological oxidation processes in Degtyarsk copper-pyrite deposit. p. 386.
- Moskalenko, I.U., and others - Dynamics of pulse waves of the thiacetantal pressure during transverse accelerations (up to 40 g) p. 396.
- Emanov, N.M., and others - Kinetics of the survival of patients with cancer of the distal part of intestines. p. 404.
- Lovkova, M.I.A. - Nicotine biosynthesis. p. 413.
- Ovcharov, K.K. - Present and future studies of seed physiology. p. 422.
- Lut'manenko, V.I. - Mechanisms and evolution of amphyblastis. p. 428.
- Zhdanov, N.N., Plankov, G.N. - Effect of dose rate of ^{60}Co gamma rays on the survival of some Drosophila species. p. 438.
- Koshchenko, K.A., Skortshin, G.K. - Deacetylation of coribone acetate by Actinonucor corymbosus 259 and Mycobacterium, album 726 p. 443.
- Thuecher, K.S., Chlova, L.V. - Change in cell membrane of the enucleated erythrocyte in ontogeny. p. 448.
- Gromova, E.A., Vekshina, N.L. - Serotonin structures of the hypothalamus. p. 453.
- Kerzhakovskii, V.G. - Annual meeting of the Department of Biochemistry, Biophysics and Chemistry of Physiologically Active Compounds of the Academy of Sciences of the U.S.S.R. p. 456.
- Mel'mustin, E.M. - Symposium on oncology in Rostock, German Democratic Republic. p. 461.
- Ilin, G.S. - A congress in Athens. p. 469.
- AKADEMIA NAUK SSSR, Botanicheskii institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Botanical Institute. Transactions].** Ser. 5, 1966, Raspl'mnoe syro [Plant Resources]. Moscow, no. 12, Terpenoids
- Table of contents translated:
- Kuznetsova, G.A. - Coumarins and furocoumarins in plants. p. 3.
- Saizysperova, I.F. - Present and future studies of plants containing furocoumarins. p. 13.
- Kludzhai, I.A.I. - Biological properties and pharmacological effect of coumarins and furocoumarins. p. 25.
- Vul'tson, N.S., Chetverikova, L.S. - Biogenesis of natural oxygen containing heterocyclic compounds. p. 31.
- Dianitskaya, I.U.A., Donkova, G.A. - Accumulation dynamics of coumarin compounds and essential oils in Archangelica decurrens Ledeb. fruits at different stages of their development. p. 44.
- Kuznetsova, G.A. - Coumarins and furocoumarins in Prangos pambularia Lindl. roots, stalks and leaves. p. 49.
- Nikonov, G.K., Veremet, R.K., Kuvaev, V.B. - Chemical study of Archangelica ischimganica (Korov.) Schischk. fruits. p. 54.
- Komissarenko, N.F., Chernobai, V.T., Kolesnikov, D.G. - Coumarins in roots of Heracleum mantegazzianum S. et L. and Heracleum dissectum Ledeb. p. 58.
- Kreier, V.G., Sokotov, V.S. - Study of furocoumarins in Heracleum sosnowskyi Mand. p. 61.
- Prokopenko, A.P., Kolesnikov, D.G. - Study of coumarins in some plants of fam. Umbelliferae. p. 66.
- Pimenov, M.G. - Coumarin content in Far Eastern species of order Umbelliflorae. p. 71.
- Maksimova, N.P., Kolesnikov, D.G. - Comparative characteristics of furocoumarin composition of different partnership varieties and "berokan" production. p. 76.
- Nikonov, G.K., Veremet, R.K., Shroter, A.I. - Lactones from Phellodendron sachalinense bark. p. 79.
- Kir'atov, N.P. - Coumarins from Ferula L. plants. p. 82.
- Kuznetsova, G.A. - Properties of prangenin (imperatorin oxide). p. 82.
- Pigulevskii, G.V. - Optic activity of terpenes in relation to certain taxonomic groups of plants containing them. p. 95.
- Mescherluk, G.I. - Essential oil content of wild carrot in Moldavia. p. 110.
- Kozhin, S.A., Sveidlova, O.V. - Infrared spectra of monoterpene oxides and corresponding hydrocarbons. p. 116.
- Pigulevskii, G.V., Ryskal'chuk, A.T. - New works in the field of sesquiterpene chemistry. p. 123.
- AKADEMIA NAUK SSSR, Institut biologii vnutrennogo vod. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Biology of Inland Waters. Transactions].** Moscow, no. 12(18), 1966, Plancton and benthos in inland waters.
- Table of contents translated:
- Kuzin, B.S. - Some immediate problems of hydrobiology. p. 3.
- Mitropolskii, V.I., Lufarov, V.P. - Benthos distribution in the Volga reaches of Rybinsk Reservoir. p. 10.
- Lufarov, V.P. - Brief comparative characteristics of epifauna in submerged forests of Volga reservoirs. p. 16.
- Podubnaia, T.L. - Bottom fauna of Chirapovets Pervot during first two years of its existence. p. 21.
- Monakov, A.V. - Zooplankton of the White Nile and its floodplain waters within Sudan. p. 34.
- Lufarov, L.A., Monakov, A.V. - Zooplankton of Rybinsk Reservoir in 1956-1963. p. 40.
- Monakov, A.V., Semanova, L.M. - Horizontal distribution of zooplankton in Rybinsk Reservoir based on synchronous surveys. p. 56.
- Lufarov, L.A. - Zooplankton formation in Chirapovets Reservoir. p. 68.
- Sorokin, I.U.I. - Use of radioactive carbon in study of feeding habits and food relationships of aquatic animals. p. 75.
- Podubnaia, T.L. - Taxonomy of Chaetogaster (Chaetogaster) (Chaetogaster, Naididae). p. 120.
- Mitropolskii, V.I. - Observations on life cycle of Sphaerium cornutum L. (Mollusca, Lamellibranchia). p. 125.
- Mitropolskii, V.I. - Filtration mechanism and feeding habits of Sphaeridae (Mollusca, Lamellibranchia). p. 129.
- Mikheev, V.P. - Water filtration rate in Dreissena polymorpha Pallas. p. 134.
- TSikhon-Lukantseva, E.A., Sorokin, I.U.I. - Metabolic intensity in freshwater gastropods. p. 130.
- Smirnov, N.N. - Shore water fleas of Cherepovets Reservoir. p. 145.
- Riv'er, I.K. - Taxonomy of Evadne anonyx Streb. p. 151.
- Riv'er, I.K., Mordukhal-Boltovskoi, F.D. - Materials on biology of Caspian Polyphemidae. p. 159.
- Butina, L.G., Sorokin, I.U.I. - Feeding habits of Polyphemus pediculus (L.). p. 170.
- Makr'shin, A.V. - Observations on oogenesis of benthic Cladocera. p. 175.
- Valushteyn, B.A. - New species of water mites (Hydrachnellae) from the genus Hydrachna Muls., its taxonomic position and biology. p. 183.
- Vainshteyn, B.A. - Materials on biology and taxonomy of water mites (Hydrachnellae). Report No. 6: Larvae of Limnesia and Hydrovotia. p. 192.
- Rodova, R.A. - Development of Cretocopus silvestris (Diptera, Chironomidae). p. 199.
- Shilova, A.I. - Taxonomy of Cryptochironomus ex gr. deficiens Kieff. (Diptera, Chironomidae). p. 214.
- Shilova, A.I. - Larva of Odontomesa fulva Kieff. (Diptera, Chironomidae-Orbiolidae). p. 239.
- Lufarov, V.P. - Migration of Chironomidae larvae to the surface of water in relation to illumination. p. 251.
- Lufarov, V.P. - Role of light in distribution of Chironomidae larvae in lakes of Karelia. p. 255.
- Lufarov, V.P. - Effect of illumination and temperature on photoreaction of the larvae of Cretocopus ex gr. silvestris, corynorhynchus sp. and Endochironomus albipennis. p. 273.
- Kurazhkovskaya, T.N. - Intestine and salivary gland structures in larvae of Chironomidae (Diptera). p. 286.
- Zarechnaya, S.N. - Glands of caddis fly larvae. Report No. 1: Silk glands. p. 297.
- Eshova, M.G., Edel'shteyn, K.K. - Methodology of measuring electric conductivity of waters in Volga reservoirs. p. 304.
- Butorin, N.V. - Seasonal changes in water characteristics and distribution in Rybinsk Reservoir. p. 311.
- Butorin, N.V. - Vertical heterogeneity of water in Rybinsk Reservoir. p. 320.
- Sorokin, I.U.I. - Relationship of microbiological processes in sulfur and carbon circulation in meromictic Lake Belovod'. p. 332.
- AKADEMIA NAUK SSSR, Zoologicheskii institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Zoological Institute. Transactions].** Moscow, vol. 44, 1967, Morphology of invertebrates.
- Table of contents translated:
- Ivanova-Kazas, O.M., Ivanov, A.V. - Origin of Metazoa and their ontogeny; a critical evaluation of A.A. Zakhvatkin's synzoospore hypothesis. p. 5.

- Mamkayev, I.U., V. - Essays on morphology of acetomate Turbellaria. p. 26.
- Minichev, I.U., S. - Morphological study of lower Ophiobryanchia, evolutionary significance of detorsion process, p. 109.
- ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII [ARCHIVES OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY].** Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 52, no. 4, Apr. 1967.
- Table of contents translated
- Tkacheva, G.A. - Histology of the adrenal cortex in radiation lesion of the body p. 3
- Trumpold, A. - Reparative regeneration of the cortical substance of the adrenal gland in acute radiation sickness. p. 9
- Vorob'ev, E.I. - State of the myocardium in rabbits following chronic gamma irradiation. p. 19
- Dmit'eva, C.V. - Development of granulation tissue following total and local X-ray irradiation. p. 25
- Semenova-Tian-Shanskaya, A.G. - Effect of X rays on restorative processes in Planaria. p. 34
- Nikiforova, C.N. - Reparative regeneration of the mammary gland following local X-ray irradiation. p. 38
- Vamoyevskii, I.A., M., Lev, I.D., Ryndin, V.A. - Pathways of the outflow of venous blood from the superficial veins in the region of the breast in women, infrared ray study. p. 45
- Gordeeva, L.I., Bilanishvili, G.V. - Pathways of the outflow of lymph from the breast in women. p. 52
- Revskaia, I.U., K. - Anatomy of the nasal canals. p. 60
- Kulova, N.V., Dmit'eva, N.P. - Morphological and electron microscopical characteristics of blood vessels of the thyroid gland under normal conditions and in tumor degeneration in rats. p. 64
- Gatsalov, M.D. - Intraorganic lymphatic bed of the periosteum of bones of the upper extremity. p. 70
- Amosov, M.G. - Lymphatic bed of the heart in rabbits under normal conditions and in experimental pathology. p. 77
- Doygiallo, N.D., Bugaeva, L.S. - Arterial anastomoses of the ileocecal angle and terminal section of the ileum in man. p. 86
- Kotelnikova, C.G. - Function of the muscle in physical exercises. p. 91
- Gerlov, L.S., Rokhlin, G.D. - Review of the work of the 7th All-Union Congress of Anatomists, Histologists, and Embryologists, Tbilisi, June 6-13, 1966 (conclusion). p. 105
- Pavel Alekseevich Glagolev, on his 70th birthday and 45th anniversary of scientific, pedagogical, and civic activities. p. 120
- In memory of Pavel Grigor'evich Il'ichev. p. 123
- In memory of Nikolai Dmitrievich Doygiallo. p. 125
- ASTRAKHANSKII ZAPOVEDNIK. Trudy [ASTRAKHAN PRESERVE. Transactions].** No. 10, 1965, Volga outflow and its significance for fisheries.
- Table of contents translated
- Moskalenko, A.V. - Water stage regime in bodies of water in the lower reaches of the Volga Delta. p. 6
- Moskalenko, A.V. - Hydrological characteristics of the bodies of water in Volga Delta. p. 37
- Belevich, E.F. - Geomorphological characteristics of the outer Volga Delta. p. 81
- Rylov, V.S., Mukhaevskaya, M.I. - Hydrochemical characteristics and plankton distribution of the outer Volga Delta. p. 105
- Chervyakova, G.F. - Vegetation of the outer Volga Delta. p. 157
- Kosova, A.A. - Feeding habits of young fishes in the cultivated zone and outer Volga Delta. p. 177
- Palusova, A.N. - Some methodological problems of the observation on basic young fish populations. p. 285
- Trupitsyna, L.N. - Characteristics of distribution and biology of fishes in the outer Volga Delta. p. 315
- Belova, Z.V. - Food supply for tadpoles of Rana ridibunda Pall. in the Volga Delta. p. 359
- Gorbunov, K.V., Kobitskaya, A.F., Kosova, A.A. - Significance of the outer Volga Delta for the reproduction of semimigratory fishes. p. 375
- BAKU. AZERBAIDZHANSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski. Seriya biologicheskikh nauk [AZERBAIJAN STATE UNIVERSITY. Studies. Series in the Biological Sciences].** No. 4, 1961.
- Table of contents translated
- Tagir-zade, A.Kh., Gasanov, A.S. - Effect of growth promoting substance of petroleum origin on some physiological and biochemical processes and yield of cotton. p. 3
- Alekperov, A.M. - Ecology and distribution of Vipera berus (Linnaeus, 1758) in Azerbaijan. p. 13
- Aliev, R.K., and others. - Gakhkh mineral wells and the effect of their waters and dry salts on mollusks of the intestines. p. 19
- Kurbanaliev, D.S. - Dynamics of changes in areolar tissue following endocrine insufficiency. p. 27
- Akhundova-Tuayeva, L.M., Belbutov, R.A., Sidorovskaya, E.P. - Chemical control of codling moth and leaf roller in No. 12 State Farm of Kuba District p. 35
- Aliev, D.A. - Characeae in waters of Talysh and Apsheron Peninsula. p. 45
- Guseinov, G.A., Magarramov, Sh.A. - Effect of physiologically active substances of petroleum origin on receptor sensitivity changes in frog skin. p. 47
- Gadzhiev, G.A. - Changes in forearm skin nerves p. 55
- Malsuradze, N.L. - Oak gall wasps in the Kuba-Khachmaz zone of Azerbaijan. p. 61
- Mamedkhanly, A.K. - Thrips, injurious to vegetables, in Kulkashen and Vartashen Districts. p. 69
- Akhundova-Tuayeva, L.M. - Study of pests of fruit, park and forest plants in Azerbaijan. p. 71
- Dzhafarov, S.R. - Effect of mineral organic compounds, applied together with seeds and separately, on cotton and alfalfa yield. p. 79
- *BIOKIMIYA [BIOCHEMISTRY].** Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 32, no. 2, Mar.-Apr. 1967.
- Table of contents translated
- Vachag Leonovich Kiselevich, on his 60th birthday. p. 203
- Avayeva, S.M., Kara-Muzza, S.N., Botvink, M.M. - Hydrolysis of acetyl pyrophosphates by inorganic pyrophosphatase of yeast. p. 205
- Alimova, E.K., Bolikova, E.A. - Fatty acid composition of lipids in plaque microbes. p. 210
- Lutsenko, N.G., Gnedman, L.M., Orekhovich, V.N. - Determining the ionization constants of functional groups of active peptidase center. p. 223
- Klimov, A.N., Litvinova, V.N. - Mechanism of the action of antifungal polyene antibiotics on alcohol fermentation in yeast. p. 228
- Isaev, A.A., and others - Participation of acetyl phosphate in photophosphorylation in pea chloroplast. p. 234
- Abisatova-Amet'lanichik, N.M., Aksel'rod, V.D., Tatarskaya, R.I. - Isolation of phosphomonoesterase preparations used in studying nucleic acid structure. p. 240
- Flippovich, I.U.B., Krumova, S.M. - Free amino acids on the fibroin and sericin part of the silk gland in a silkworm. p. 246
- Kulaev, I.S., Vagabov, V.M. - Effect of cultivation conditions on the metabolism of inorganic polyphosphates and some other phosphorus compounds in *Scenedesmus obliquus*. p. 253
- Beetkin, A.P., Nikol'skaya, E.B., Karpenko, N.B. - Effect of alkaline phosphatase on hydrolysis kinetics in p-sodium nitr phenyl phosphate. p. 261
- Burnasheva, S.A., Karnusheva, T.P. - Participation of adenosine triphosphate in the motor function of *Tetrahymena pyriformis*. p. 270
- Vanin, A.T. - Electron paramagnetic resonance method for identifying divalent iron complexes with cysteine in biological systems. p. 277
- Todorov, I.N., and others - Synthesis of adrenocorticotrophic substance in *Escherichia coli* cell-free system induced by informational RNA from bovine adrenocortical cells. p. 283
- Iakovlev, V.A., Agabekian, R.S. - Causes of pH effect on cholinesterase activity. p. 293
- Gur'ich, A.E., Gorodetskii, S.I., Sklarova, E.V. - Relationship between nucleic acids, histones and other proteins in agarose. p. 302
- Viver, V.A., and others - Further study of diets isolated from lipids in the genus *Lipomyces* yeast p. 310
- Gorn, L.E. - Effect of erythrocyte age on location of hemoglobin Soret band and on methemoglobin formation process. p. 318
- Blinov, M.N. - Nucleotide composition of RNA of human leucocytes. p. 323
- Malorova, I.P., Blagoveschenskii, V.A. - Study of acid-soluble compounds from *Clostridium perfringens*. p. 329
- Elinov, N.P., Vitovskaya, G.A. - Glucosylactans from *Sporobolomyces roseus*. p. 337
- Fruentova, T.A. - Effect of salts on serum cholinesterase activity. p. 341
- Uspenskaya, V.D., Pleskova, M.V., Nedel'eva, M.I. - Cleavage of dog haemoglobin molecule into polypeptide chains. p. 347
- Egorova, T.P., Paskhina, T.S. - Purification of kininogen (bradykininogen) from rabbit blood plasma and the study of its properties. p. 354
- Abdumalikov, A.Kh., Eremin, V.V. - Glutaminase and isoglutaminase from *Saccharomyces cerevisiae* Meyen KMY 361. p. 363
- Kaznel'sov, A.A., Stepanenko, B.N. - Study of glucosylactans by enzyme preparation from *Aspergillus oryzae*. p. 368
- Nazim, A.L., Vanlushin, B.F. - Separation of pyrimidine deoxynucleosides by DEAE-Sephadex chromatography. p. 377
- Rafikman, L.M., Blumensfeld, L.A. - Mechanism of ubiquinol functioning in mitochondria. p. 388
- Gorichenkova, E.V., Shcherbakov, L.I., Voronina, E.A. - Production of highly purified diamine oxidase preparations from swine kidneys. p. 398
- Makshinov, V.I., Osipov, V.I., Kavciznaya, E.D. - Study of gamma irradiated ribonuclease by gel filtration method. p. 193
- Losev, A.P., Gurlovich, G.P. - Nature of reduced chlorophyll forms. p. 409
- Mil'man, L.S., Il'inskiy, I.U., G. - Phosphotransferase activity and Pasteur effect regulation in early embryogenesis. p. 416
- BIOLOGIIA OPLODOTVORENIYA I GETEROZIS KUL'TURNYKH RASTENII [BIOLOGY OF THE FERTILIZATION AND HETEROSIS OF CULTIVATED PLANTS].** Issued by Otdel genetiki rastenii Akademii nauk Moldavskoi SSR [Department of the Genetics of Plants of the Academy of Sciences of the Moldavian S.S.R.]. Kishinev, no. 1, 1962.
- Contents [Role of incomplete decomposition of the living cell for developmental biology, sexuality and embryogenesis in plants] O rol' protsessov nepolnogo raspada zhivogo dlia biologii razvitiia, polovosti i embriogeneza rastenii. p. 167
- *ENTOMOLOGICHESKOE OBOZRENIIE [ENTOMOLOGICAL REVIEW].** Issued by Vsesoyuznoe entomologicheskoe obshchestvo [All-Union Entomological Society]. Leningrad, vol. 46, no. 1, 1967.
- Table of contents translated
- Stekolnikov, A.A. - Phylogenetic relationships within Rhopalocera based on functional morphology of the genital apparatus. p. 3
- Kaufman, Z.S. - Phylogenetic relationships between Chiroptera and other groups of Atelecerata. p. 25
- Pantukhov, G.A. - Effect of feeding habits on physiological state of *Luproctis chrysorrhoea* L. (Lepidoptera, Liparidae). p. 40
- Vozolova, N.V. - Effect of the amount of consumed blood and additional carbohydrates on oogenesis process in female blood-sucking mosquitoes of the genus *Aedes* (Diptera, Culicidae) of different weight and age. p. 49
- Chereminkov, A.V. - Photoperiodism in *Apis mellifera* L. (Hymenoptera, Apidae). p. 60
- Gelsova, A.B., Volkova, G.A. - New data on S^{35} and R^{106} accumulation by diatom (Odonata) larvae. p. 68
- Gapi Indashvili, N.K., Novitskaya, T.N. - Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the influence of chemical treatment on their beneficial activity. p. 70
- Lipa, E.I.U., Sem'anova, V.P. - Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. p. 75
- Majkovskii, P.I. - Biology of Formica sanguinea Latr. (Hymenoptera, Formicidae) in Tien Shan. p. 91
- Menshutkina, T.V. - New data on biology of caddisflies (Trichoptera, Trichoptera, Apatanidae) of the Balkal Lake region. Report No. 1. The life span and mass flight of imagoes. p. 92
- Mesheva, A.M. - Behavior of mass species of caddisflies (Trichoptera) of Severn Lake tributaries area in adult age. p. 105
- Esipenko, P.A. - Biology of *Eubonia subarctica* Mg. (Diptera, Anthidae) in Khabarovsk Territory. p. 109
- Kudachina, M.N., Kovalev, O.V., Rikhter, V.A. - Parasitism of *Amelita* (Diptera, Tephritidae) forming galls on cereals in Maritime Territory. p. 113
- Mat'chenkova, N.L. - Mite of the genus *Tydeus* (Acari, Tydeidae), a parasite of Moldavia. p. 117
- Ploshkova, S.I. - Intestine innervation in *Locusta migratoria* L. (Orthoptera, Acrididae). p. 122
- Ivanova, I.V. - Characteristics of *Gnathoplia* in southern Krasnodarsk Territory. p. 127
- Andrianova, M.S. - Larvae of injurious beetles (Coleoptera) in soils of Archinskaya Forestry District of Volgograd Province. p. 139
- Rybalov, A.P. - Distribution of *Buchidius* (Coleoptera) in the forest steppe zone of the left-bank Ukraine. p. 150
- Shevchenko, A.K. - Biting midges of the genus *Culicoides* Mg. (Diptera, Ceratopogonidae) in the central Dnieper Valley. p. 163
- Adrianov, S.I. - Black flies (Diptera, Simuliidae) of Volgograd Province and their control. p. 180
- Lisster, I.U.A. - Insect fauna in the burrows of endemic Caucasian *Proctosiphon schaposchnikovi* Sal. p. 185
- Skopin, N.G. - Darkling beetles of the genus *Melanostethus* Lac. (Coleoptera, Tenebrionidae) in central Kazakhstan. p. 205
- Lopatin, I.K. - Material on the taxonomy of leaf beetles of the subfamily *Cypselophaninae* (Coleoptera, Chrysomelidae) in Central Asia and Kazakhstan. p. 212
- Karelova, G.F. - Larvae of leaf beetles of the subfamily *Eumolpinae* and *Syneta* beetles F. p. 222
- Zaslavskii, V.A. - New species of the genus *Hypera* Germ. (Coleoptera, Curculionidae) from Crimean mountains. p. 234
- Kolomoita, N.G. - Review of parasitic tachinid flies of the genus *Eristalis* Mg. (Diptera, Tachinidae) in the U.S.S.R. p. 241
- Zhil'tsova, L.A. - In memory of Sofia Grigor'evna Lepneva. p. 250

1. ... (PHYSIOLOGY) ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...
 11. ...
 12. ...
 13. ...
 14. ...
 15. ...
 16. ...
 17. ...
 18. ...
 19. ...
 20. ...
 21. ...
 22. ...
 23. ...
 24. ...
 25. ...
 26. ...
 27. ...
 28. ...
 29. ...
 30. ...
 31. ...
 32. ...
 33. ...
 34. ...
 35. ...
 36. ...
 37. ...
 38. ...
 39. ...
 40. ...
 41. ...
 42. ...
 43. ...
 44. ...
 45. ...
 46. ...
 47. ...
 48. ...
 49. ...
 50. ...
 51. ...
 52. ...
 53. ...
 54. ...
 55. ...
 56. ...
 57. ...
 58. ...
 59. ...
 60. ...
 61. ...
 62. ...
 63. ...
 64. ...
 65. ...
 66. ...
 67. ...
 68. ...
 69. ...
 70. ...
 71. ...
 72. ...
 73. ...
 74. ...
 75. ...
 76. ...
 77. ...
 78. ...
 79. ...
 80. ...
 81. ...
 82. ...
 83. ...
 84. ...
 85. ...
 86. ...
 87. ...
 88. ...
 89. ...
 90. ...
 91. ...
 92. ...
 93. ...
 94. ...
 95. ...
 96. ...
 97. ...
 98. ...
 99. ...
 100. ...

1. ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...
 11. ...
 12. ...
 13. ...
 14. ...
 15. ...
 16. ...
 17. ...
 18. ...
 19. ...
 20. ...
 21. ...
 22. ...
 23. ...
 24. ...
 25. ...
 26. ...
 27. ...
 28. ...
 29. ...
 30. ...
 31. ...
 32. ...
 33. ...
 34. ...
 35. ...
 36. ...
 37. ...
 38. ...
 39. ...
 40. ...
 41. ...
 42. ...
 43. ...
 44. ...
 45. ...
 46. ...
 47. ...
 48. ...
 49. ...
 50. ...
 51. ...
 52. ...
 53. ...
 54. ...
 55. ...
 56. ...
 57. ...
 58. ...
 59. ...
 60. ...
 61. ...
 62. ...
 63. ...
 64. ...
 65. ...
 66. ...
 67. ...
 68. ...
 69. ...
 70. ...
 71. ...
 72. ...
 73. ...
 74. ...
 75. ...
 76. ...
 77. ...
 78. ...
 79. ...
 80. ...
 81. ...
 82. ...
 83. ...
 84. ...
 85. ...
 86. ...
 87. ...
 88. ...
 89. ...
 90. ...
 91. ...
 92. ...
 93. ...
 94. ...
 95. ...
 96. ...
 97. ...
 98. ...
 99. ...
 100. ...

1. ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...
 11. ...
 12. ...
 13. ...
 14. ...
 15. ...
 16. ...
 17. ...
 18. ...
 19. ...
 20. ...
 21. ...
 22. ...
 23. ...
 24. ...
 25. ...
 26. ...
 27. ...
 28. ...
 29. ...
 30. ...
 31. ...
 32. ...
 33. ...
 34. ...
 35. ...
 36. ...
 37. ...
 38. ...
 39. ...
 40. ...
 41. ...
 42. ...
 43. ...
 44. ...
 45. ...
 46. ...
 47. ...
 48. ...
 49. ...
 50. ...
 51. ...
 52. ...
 53. ...
 54. ...
 55. ...
 56. ...
 57. ...
 58. ...
 59. ...
 60. ...
 61. ...
 62. ...
 63. ...
 64. ...
 65. ...
 66. ...
 67. ...
 68. ...
 69. ...
 70. ...
 71. ...
 72. ...
 73. ...
 74. ...
 75. ...
 76. ...
 77. ...
 78. ...
 79. ...
 80. ...
 81. ...
 82. ...
 83. ...
 84. ...
 85. ...
 86. ...
 87. ...
 88. ...
 89. ...
 90. ...
 91. ...
 92. ...
 93. ...
 94. ...
 95. ...
 96. ...
 97. ...
 98. ...
 99. ...
 100. ...

- Bulenko, R.G., Shamshina, Z.B., Frolova, L.V. - Induced organogenesis and characteristics of plants produced in the tissue culture of tobacco p.29
- Pulik, M.I. - Interspecific hybridization of peas, p.10.
- Pradencu, A., Grunvald, Cl. - Useful barley mutants obtained by bombarding seeds with thermal neutrons p.49.
- Murkarian, D.S. - Effect of dieldrin on mitosis in roots of *Crepis capillaris* sprouts, p.55.
- Malashenko, A.M., Fgorov, I.K. - Effect of ethylenimine on dominant lethals in inbred mice, p.59.
- Glembotskii, I.A., and others. - Study of the cause of mosaicism of inherited recessive sex-linked lethal mutations in *Drosophila melanogaster*, p.68.
- Khrustoblova, N.B., Austender, I.E. - Characteristics of the inheritance of functional changes of salivary gland chromosomes in *Drosophila*, p.76.
- Zaveritchev, B.P. - Variability and heritability of productivity indices following different genotypic evaluation of animals, p.80.
- Egorov, I.U. - Effect of helium mutation on craniofacial characters of *Meiella vison* Brisson, p.85.
- Zakharov, A.P., Egozina, N.A. - Karyotype shifts in mixed cultures of aneuploid cells in Chinese hamsters, p.92.
- Tugarinov, V.V. - Streptomycin-induced pigment mutants of *Chlorella vulgaris*, p.101.
- Makshova, R.A., Rapoport, I.A. - Mutagenic effect of nitrosomethylurea on *Trichothecium roseum* Link., producer of the antibiotic trichothecin, p.107.
- Sigmer, E.R., Rybichin, V.N. - Recombinations between prophages of *Escherichia coli*, p.114.
- Zhdanova, N.I., Baillskala, R.M., Alkhanian, S.I. - Selection of *Micrococcus glutinosus*, producer of glutamic acid, and physiological properties of its mutants, p.122.
- Gell-Dat, S.I.U., Makarevich, V.G., Laznikova, T.M. - Effect of various mutagenic factors on rate of actinomycetes and eubacteria mutants, synthesizing tetracycline molecule derivatives, p.130.
- Sazonova, N.S., Domanskaya, L.I.U. - Testicular dysgenesis (Turner's syndrome in the male), p.136.
- Plalkin, E.K., Jungulis, R.P. - Cytogenetic study of chronic myeloid leukemia, p.144.
- Lovina, L.I.A., Shapiro, I.M. - Autoradiographic study of nuclear protein synthesis, Report No.2. Evidence of nuclear protein synthesis presence at various stages of mitotic cycle in human blood lymphocyte culture, p.154.
- Gubentsev, M.A., Kolobov, A.V., Rybakov, N.I. - Effect of various mutagens on the mechanism of induction of temperate lambda bacteriophage, p.161.
- Dachkov, N.P., Giotov, N.V. - Aneuploidy in animal and human mitosis, p.171.
- Zhebrak, E.A., Runkova, L.V. - Endogenous growth regulators extracted from dry seeds of diploid and tetraploid rye and barley, p.183.
- Zakharov, I.A. - Cytology and genetics at the Symposium on yeast held in Bratislava (Czechoslovakia) in July of 1966, p.187.
- Tyrnov, V.S. - Conference on problems of apomixis in plants, p.188.
- Tokio, D.P. - National Institute of Genetics in Japan, p.190.
- Bibliography of foreign literature on genetics (November 1966), p.196.
- Zhupanenko, R.P. - Seasonal changes in phytoplankton of Northern Donets River in the area of Pechenegi Reservoir construction, p.62.
- Danilova, L.E. - Seasonal dynamics of nanoplanktonic golden algae in Danube limans, p.66.
- Zubchenko, I.A. - Calcium assimilation by *Gammarus (R.) balcanicus* Schaf. directly from water, p.68.
- Atabina, I.P., Gavrilov, S.I. - Relationship between weight and linear measurements in the representatives of freshwater benthos p.71.
- Cherepanov, V.V. - Diurnal rhythm in feeding habits of *Eptseura balcanensis* Sars. of Lake Balkal, p.74.
- Kostylev, E.F. - Biochemical composition of hyponeurion in relation to hydrometecological conditions in northwestern part of the Black Sea, p.76.
- Losovskaya, G.V. - Unknown S.I.U. Kushakevich's work, p.80.
- Oleinik, G.N. - Methodology of quantitative determination of ammonifying bacteria in bodies of water, p.81.
- Tsyban', A.V. - Device for collecting microbiological samples in surface micrometeorology of the sea, p.84.
- Zhuravlev, P.A. - Distribution of *Dielsena bugensis* Andr. in artificial bodies of water, p.87.
- Lipetskaya, E.S. - Aleksandr Nikolaevich Lipin, an obituary, p.94.
- ISSLEDOVANIYA FAUNY MORI [EXPLORATIONS OF THE FAUNA OF THE SEAS]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Zoological Institute of the Academy of Sciences of the U.S.S.R.], Moscow, vol. 4(12), 1967. Results of biological research of the Soviet Antarctic Expedition.
- Table of contents translated.
- Petrushkevich, M.G. - Radiolaria of Spumellaria and Nassellaria orders of the Antarctic Regions p.5.
- Gusev, A.V. - Two new species of the genus *Cyrtodactylus* Nordmann (Monogeneidae) from the Antarctic shores, p.387.
- Biedskil, K.A. - Distribution and variation in the body length of Caballidae (Copepoda) species of the southern hemisphere, p.190.
- Kosakhin, O.G. - Isopoda and Tanaidacea of shelf zones of the Antarctic and Subantarctic waters, p.220.
- Birshelidze, I.A.A., Vinogradov, I.G. - Occurrence of Paratonic speleophiles Hansen (Crustacea, Decapoda, Anomura) in the Antarctic Regions, p.381.
- Andriashchev, A.P. - Review of the genus *Onchopharyx* Regan (Pisces, Haipagiforidae) with the description of five new species from eastern Antarctic Regions and southern Orkney Islands, p.389.
- IUNYI NATURALIST [YOUTH NATURALIST]. Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo komunisticheskogo soyuza molodezhi and Tsentral'nyi sovet Vsesoyuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneer]. Moscow, no.6, 1967.
- LIETUVOS TSR AUKSTUJIU MOKYKLU MOKSLO DARBAI: BIOLOGIJA. Nauchnye trudy vysshih uchelynykh zavedenii Litovskoi SSR: Biologiya [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.: BIOLOGY], Vilnius, vol.8, 1968.
- MATERIALY K POZNANIU FAUNY I FLORY SSSR. Otdel zoologicheskii [CONTRIBUTIONS TO THE KNOWLEDGE OF THE FAUNA AND FLORA OF THE U.S.S.R. Zoological Section]. Issued by Moskovskoe obshchestvo isspytatelei prirody [Moscow Naturalists' Society], Moscow, no.41(56), 1967. Materialy po gyznam [Materials on rodents], no.8.
- Table of contents translated.
- Koshkina, T.V. - Relationship among close species of lesser rodents and their population control, p.5.
- Golikova, V.L., Larina, N.I. - Geographic changes in level and dynamics of the abundance of forest mice rodents in the European part of the U.S.S.R., p.23.
- Ivanov, F.V. - Squirrel population in Ryazan Province, p.44.
- Gruzdev, V.V. - Fluctuations in gray hare population in the European part of the U.S.S.R., p.63.
- Rolshild, C.V., and others. - Mammals of northern Kyzyk Kam, p.85.
- Dubrovskii, I.U.A., and others. - Materials on burrow construction by *Rhombomys opimus* Licht. based on its complete excavation, p.175.
- Neronov, V.M., Tupikova, N.V. - Zonal fur deliveries as an index of animal populations, as exemplified by the hamster, p.188.
- Popov, V.A. - Standardization of census methods for marine rodents and lesser insectivores, p.197.
- Postnikov, G.B., Korzhinskii, A.N. - Use of airplanes in censusing geobills in northeastern Caspian Sea region, p.202.
- Shekharov, M.V., Kulik, I.L. - Index of Soviet literature on rodents and hares published in 1960 and 1961, p.209.
- MIKROBIOLOGICHESKIY ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Institut mikrobiologii Akademii nauk USSR [Institute of Microbiology of the Academy of Sciences of the U.S.S.R.], Kiev, vol.20, no.2, Mar.-Apr. 1967.
- Table of contents translated.
- Andriuk, K.I. - Nitrogen-fixing activity of soil actinomycetes and associative cultures, p.91.
- Kopileva, Z.H. - Nitrogen-fixing ability of some blue-green algae, p.95.
- Lazurkevich, Z.V., Budk, I.H., Stokanova, L.V. - Amount of bacteria and vitamin B12 content in active soil, p.100.
- Kozlov, I.O. - Quantitative composition of Mycobacteria in winter wheat rhizosphere, p.105.
- Aleksandrov, V.H., Blahod, R.H., H'rev, I.P. - Phosphoric acid isolation from bacteria by silicate bacteria, p.111.
- Korshun, V.A., Matukova, K.O., Mar'ko, V.H. - Staining *Chlorella* cells with tetrazole salts, p.114.
- Slabostep'ko, A.F., Pechorzhenskaya, N.U. - Nuclear activity of *Staphylococcus* and its relation to phagocytosis and hyaluronidase properties, p.117.
- Dukhovnik, V.D. - Morphological variability of *Leptothrix*, p.121.
- Mitskevich, A.I. - Observations on potentialization of *Clostridium perfringens* and *Clostridium histolyticum* to their combined action, p.125.
- Tselikh, A.V. - Joint effect of *Clostridium perfringens*, *Cl. oedematis* and *Cl. septicum* toxins and *Clostridium butyricum* products on hemolytic and lethal toxin properties, p.129.
- Pryluta, I.U. - Effect of pH medium and thermal treatment of *Salmonella pullorum* culture filtrates on their toxicity, p.133.
- Turchyn, J.S., Ilyin, V.M. - Physiological and cytological study of *Coccidia* virus effect on tissue culture cells, p.139.
- Kasymov, M.I., Budenko, V.I. - Antibiotic properties of *Lactobacterium brevis*, p.146.
- Rolshild, M.M., and others. - Study of Schiff bases as possible antimicrobial substances, p.150.
- Solov'yok, A.R., and others. - Effect of novobiocin and mycristin combination on interferon of wounds, p.153.
- Starichenko, A.P., Chernetskii, V.P. - Effect of 6-azauridine, 6-azacytidine and 8-azaguanine on reproduction of adenovirus type IV in tissue culture, p.157.
- Rechnenn'kiy, S.S., Synechukova, O.P. - Original design of a chamber for studying bacterial aerosols, p.161.
- Kozlov, I.O. - Susceptibility of different bupha varietals and other leguminous plants to *Phytophthora* agents, p.165.
- Zymina, O.I., Isakova, S.A., Mukhina, A.G. - Free trophic study of blood serum in passive immunity against gas gangrene, p.167.
- Klymchuk, M.D. - Comparative study of the effect of antibiotics on *Rickettsia prowazekii*, p.168.
- Kulyk, H.V., Stavenka, S.S. - Antitumor substances against dimethylhydrazine, p.171.
- Rubchinskii, I.I. - V.I. Omel'nik, a character in Soviet microbiology, on the 100th anniversary of his birth, p.180.
- OPREDELITELI PO FAUNE SSSR [GUIDE TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.], Moscow, no.89, 1965.
- Contents: [A guide to insects of the European part of the U.S.S.R. in five volumes. Vol.2, Coleoptera and Strepsiptera.] Opredelitel' nasekomykh ovoposilskoi chasti SSSR v plati tomakh. Vol.2. Zhenokrylyye i veerokrylyye. 608 p.
- No.83, 1967.
- Contents: Maslov, A.V. [Bloodsucking mosquito of the subtribe Cullsethina (Diptera, Culicidae) of the world] Krovososushenie komary podtriby Cullsethina (Diptera, Culicidae) mirovoi fauny. 181 p.
- PECHORO-ILYCHSKII GOSUDARSTVENNYI ZAPOVEDNIK. Tudy [PECHORA-ILYCH STATE PRESERVE, Translations], Syktykvan, no.18, 1964.
- *PRIKLADNAYA BIOKHIMIYA I MIKROBIOLOGIYA [APPLIED BIOCHEMISTRY AND MICROBIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.3, no.2, Mar.-Apr. 1967.
- Table of contents translated.
- Korableva, N.P., Polapova, L.M., Melnik, I.V. - Nucleotide composition of acid-soluble fraction of meristematic tissues and their role in dormancy phenomena of storage organs in plants, p.131.
- Semochkina, L.G., Sapozhnikova, E.V. - Transformation of pectins in ripening fig, p.140.
- Feldman, A.L., Kiseleva, S.M. - Biochemical characteristics of some types of vegetables for canning, p.147.

- Grinevich, A. G. - Physiological properties of lactic Streptococci following prolonged storage in lyophilized state and in culture media. p. 151.
- Ushkevich, V. V., Kozysta, G. T., Dorgacheva, M. I. - Characteristics of amylase secretion by *Aspergillus oryzae*. p. 157.
- Slavova, V. N. - Obtaining proteolytic enzymes from *Clostridium sporogenes* culture fluid. p. 162.
- Korshunov, I. S., Skulabin, G. K. - Effect of medium aeration intensity on α -hydroxybutyrate activity of *Trichomella hyalospora*. p. 168.
- Tinikova, N. V., and others - Dynamics of *Blakeslea trispora* culture development and carotene formation by it. p. 173.
- Ezhov, I. S., Novotel'nov, N. V. - Antibiotic hordecin, its properties and probable mechanism of action. p. 178.
- Golevkin, N. A., and others - Changes in free amino acid content of overcooked meat in storage. p. 184.
- Platnitskii, N. P., and others - Production of chromatographically pure pepsinogen. p. 189.
- Philippovich, I. B., Alieva, M. I. - Hemolymph proteins in different silkworm breeds. p. 192.
- Sokolova, A. E., Shkuropalova, Z. I., Egenburg, I. Z. - Current distribution of higher fatty acid esters and some products of their oxidation. p. 198.
- Lyubimov, N. B. - Use of manometric method for selecting wine yeast. p. 203.
- Shpalov, M. S., Khoral, I. D. - Automatic proportioning feeder. p. 208.
- Poklad, A. G., Estanov, I. D. - Effect of meat fermentation on its sensitivity to gastrointestinal proteases. p. 212.
- Gorali, V. M. - Effect of drying procedure on yield, viability and virulence of *Beauveria bassiana* (Bals.) Vuilleumier. p. 215.
- Nadmanovich, B. M., and others - Bacteriophage of aceto-butylic bacteria in continuous fermentation. p. 218.
- Borisenko, L. G. - Production of nutrient medium from the biomass of carbohydrate oxidizing micro-organisms. p. 221.
- Shul'anova, M. S., Korabieva, N. P. - Symposium on phenol compounds. p. 225.
- Ignat'yanov, an obituary. p. 231.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia** Nauchnye doklady vysshego i srednego obrazovaniia [Ministry of Higher and Secondary Specialized Education, (Research Papers of Higher Schools, Biological Sciences) Moscow, vol. 10, no. 3(39), 1967.
- Table of contents translated.
- Dobrovolskii, V. V. - Soil science and geochemistry of a landform. p. 7.
- Lil'vintsev, A. N. - Effect of waste water from a distillery on aquatic organisms. p. 20.
- Dabaglan, N. V., Khomenko, I. F., Popov, V. V. - Study of corn development in larvae of tailless amphibians. p. 23.
- Stepanov, L. S. - Taxonomic position of *Iliriolepis* Leach (Hirudiniidae, Aves) on Central Asia. p. 30.
- Samonina, G. E., Udel'nov, M. G. - Reflex self-regulation of the heart. Report No. 2: Efferent activity of cardiac branches of vagus nerves in cardiovascular reflexes. p. 33.
- Khramov, A. M. - Reflex changes of blood pressure following stimulation of sensitive nerves of musculus rectus abdominis. p. 37.
- Lyubchenko, O. I., Motsnyi, P. E. - Potentials of the dorsal surface of spinal cord induced by stimulation of internal organs. p. 40.
- Kutlik, B. I., Smul'govskii, V. V. - Dynamics of changes in the theta rhythm and impulse activity of hippocampus following reticular stimulation. p. 41.
- Ishkova, L. V. - Electroradiographic representation of visceral stimulation in rabbits with injured optic thalamus. p. 48.
- A. K., Telichenko, M. M. - Biologically actions produced by different organisms: study by modern methods. p. 52.
- I. T., Avakian, T. M., Adzhani, N. S. - The ionic composition of environment on potential of cells in *Vicia faba* Adams root.
- Mechanism of some primary oxidation reactions of photosynthesis. p. 60.
- Itseva, S. G. - Growing conditions of mosses in swampy spruce forest.
- Synopsis of Greater Balkan. p. 70.
- Cobalt on chlorophyll accumulation intensifies, and yield of buck-cobalt on characteristics, transpiration of potato.
- cs of catalase activity p. 88.
- sorbents on development of organisms. p. 97.
- Nikitina, Z. I., Kuznetsova, O. S., Ivanova, A. I. A. - Determination of components increasing biological activity in lowland peat by fermentation reactions. p. 111.
- Voronin, A. D. - Soil moisture potential. p. 119.
- Aderikhin, P. G., Volkova, G. S. - Phosphate absorption by soils of different moisture. p. 129.
- Surova, T. G. - Electron microscopic study of spore surface in *Pinus silvestris* L. by metal-carbon replica method. p. 132.
- Khromov, V. M. - Determination of organic matter quality in spots of a thin-layer chromatogram by wet burning method. p. 136.
- Turkova, N. S. - Some problems of developmental plant physiology. p. 139.
- Zaitseva, M. I. - First Conference on Problems of Plant Apomixis. p. 151.
- New books. p. 153.
- TSITOLOGIJA I GENETIKA [CYTOLOGY AND GENETICS]** Issued by Otdelenie obshchestvennoi biologii i Otdelenie biokhimi, biofiziki i fiziolologii Akademii nauk Ukraininskoi SSR [Department of General Biology and the Department of Biochemistry, Biophysics, and Physiology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 1, no. 2, Mar.-Apr. 1967.
- Table of contents translated.
- Negru, A. M. - Genetic principles of grape breeding. p. 5.
- Lazarenko, A. S. - Polyploidy in leafy moss evolution. p. 15.
- Shestopalov, F. L. - Polyploidy in forest trees. p. 27.
- Dzvalovskii, A. K. - Embryological study of the representatives of family Cucurbitaceae. p. 32.
- Zosimovich, V. P., Andoshchuk, A. F. - Effect of ethylenimine and N-methylacetamide on growth processes and chromosome rearrangement in barley. p. 42.
- Pelipenko, A. I. - Some characteristics of flowering of dioecious and monoecious forms of hemp hybrids and their parents. p. 47.
- Favonov, A. M., and others. - Cytogenetic study of parental forms and hybrids of potatoes under various growth conditions. p. 54.
- Malistenko, O. I. - Study of relationship between gluten content and quality and some morphological and biological properties of soft wheat hybrid population. p. 62.
- Maluk, V. I. - Mucopolysaccharides of the endothelium of arterial main vessels in rat extremities in ontogeny, a histochemical and autoradiographic study. p. 66.
- Fel's, L. S. - Comparative analysis of seasonal changes in cytological structure of the adeno-hypophysis in Peldin and wild ducks. p. 73.
- Trofimenko, A. L. - Relationships in the variability of general indices of semen and spermatogenesis in boars of large white breed. p. 78.
- Khavich, A. F., Obzorko, M. V. - Heritability of some milk productivity indices in Black and White cattle of the "Kozhanskii" Breeding Farm. p. 84.
- Gershenson, S. M., Malkin, S. S. - Effect of vitamines on the genotype of multicellular organisms; a review of literature. p. 91.
- VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]** Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 7, no. 2(43), 1967.
- Table of contents translated.
- Zharov, V. L. - System of scombroid fishes (suborder Scombroidei, order Perciformes). p. 200.
- Shapostnikov, G. Kh. - Comparative characteristics of *Stenodus leucichthys nelma* (Pallas) and *Stenodus leucichthys (Gaided)*. p. 225.
- Ojaveer, E. A. - Distribution and composition of *Clupea harengus* members L. populations in eastern part of the central Baltic Sea and in Gulf of Riga during summer season. p. 240.
- Sibirskii, G. G. - Biological principles of fisheries in the outer delta of the Volga River. p. 247.
- Zambirshchik, F. S. - Comparative study of size, weight, and growth of fishes in the lower reaches of rivers and in humans of the northwestern Black Sea. p. 258.
- Kol'gaev, A. M. - Some characteristics of the reproduction of *Oncorhynchus kela* (Walb.) inf. asp. autumn. p. 260.
- Zalumi, S. G. - Effect of river regulation on the yield of some young commercial fishes in the lower Dnieper River. p. 277.
- Kaufman, Z. S. - Morphology of early stages in postembryonic development of *Clupea harengus pallasii* nation maris-almi Berg. p. 288.
- Ryzhkov, L. P. - Establishing relationship between eggs, larvae and fry of Sevyan trout grown in groups. p. 295.
- Zamkhaev, D. F. - Compensational growth. p. 303.
- Mina, M. V., Tokareva, G. I. - Otolith structure in *Gadus morhua callarias* L. of southeastern Baltic Sea. p. 326.
- Dadikyan, M. G. - Food supply and fattening coefficient as its criterion. p. 338.
- Khorostok, P. N. - Feeding habits of young sturgeons in regulated Volga River. p. 343.
- Asaf'eva, A. V. - Food selection by *Gadus morhua* L. in vitro. p. 356.
- Veigina, I. A. - Digestive tract structure in herring various fishes of the family Clupeidae. p. 362.
- Reaction to light and light reception in *Coregonus autumnalis nigrilabris* (Georgy) and *Coregonus phorus gawlingi* (Dyb.). p. 372.
- Kashkovskii, V. V. - Seasonal changes in parasites of *Rutilus rutilus* (L.) of the Pleskii Reservoir. p. 373.
- Verigin, D. V., and others - Incorrect interpretation of theoretical conceptions of V. V. Vasnetsov and S. G. Kryzhanovskii. p. 387.
- Savvaitova, K. A., Smol'nikov, I. I. - *Salvelinus* from Lake Khanayka. p. 394.
- Gaf'itova, M. Z. - Valuable commercial fish in L. Vymno. p. 397.
- Iskovic, A. N. - Increase in fish reproduction effectiveness in reservoirs. p. 401.
- Naumov, V. M., Smirnov, A. N. - Distribution and abundance of young-of-the-year, one-year and two-year old sturgeons in Taganrog Gulf. p. 403.
- Legeza, M. I., Volnova, I. A. - Effect of river regulation on the dynamics of sturgeon run in Kura River. p. 406.
- Tanasichuk, L. N. - Possibilities for sturgeon acclimatization in Riga Gulf. p. 409.
- Ponomarev, V. P. - Reaction of *Acipenseridae* (Lepechin) to electric light. p. 413.
- Mallukina, G. A., Shchegolev, M. - Significance of chemoreception in "group effect" of crucian carp. p. 415.
- Kostin, G. F. - Application of MBS-1 microscope to the modified Monastyrskii device for back calculation of fish growth rate. p. 418.
- Smul'man, G. S. - Study of fish biochemistry in the Soviet Union. p. 425.
- VSESOIUNNOE BOTANICHESKOE OBSHCHESTVO, Sverdlovskoe otdelenie, Zapiski [ALL-UNION BOTANICAL SOCIETY, Sverdlovsk Branch, Annals]** Sverdlovsk, no. 4, 1966.
- Table of contents translated.
- Mokromosov, A. T. - Some problems of methodology in using carbon ¹⁴ isotopes for photosynthesis studies. p. 3.
- Kishin, I. K., Baeva, L. V. - Significance of auxin in correlative inhibition of shoot formation in graminaceous plants. p. 15.
- Il'yaych, Z. G. - Use of various nitrogen forms in amino acid synthesis in leaves of potatoes of different age. p. 20.
- Goi chakovskii, P. L., Romakina, N. P. - Northern range of steppe vegetation in the piedmont of Urals (within the Krasnoufimskii Steppe). p. 37.
- Makovskii, V. I. - Age of peat bogs and formation of forest vegetation in the subzone of northern taiga; the Loz'va-Polym Interfluvium. p. 53.
- Storozheva, M. M. - Situation of the northern range of northern taiga subzone on the eastern slope of Ural Range. p. 65.
- Lebedev, P. V., and others. - Morphogenesis of meadow grass shoots and the conditions of environment. p. 75.
- Vigorov, L. I. - Characteristics of form development in crossing wild and cultivated wheat. p. 87.
- Mamaev, S. A. - Distribution of Scotch pine according to sex types and the characteristics of its fruiting. p. 101.
- Shilalov, S. G. - Time of dissemination of Siberian larch seeds in northwestern part of its range and the role of this factor in forest and tundra relationship. p. 109.
- Nikolaevskii, V. S. - Anatomicomorphological structure of woody plant leaves in relation to their gas resistance. p. 115.
- Konevalov, N. A., Luganskaya, V. D. - Ecology of *Larix sukaczewii* in the southern taiga of Central Urals. p. 121.
- Sphidonova, N. S. - Ascorbic acid in plant phylogeny. p. 127.
- Dament'eva, N. N. - Effect of boron and molybdenum on pollen germination in *Cyclamen persicum* Mill. p. 129.
- Serale, G. P. - Morphogenesis of longer *Agrostis alba* shoots in relation to light intensity. p. 131.
- Il'ina, E. I. A. - Metamorphic variation of the morphological and anatomical structure of leaves in hybrid alfalfa. p. 137.
- Vakar, B. A. - A note on wheat of the genus *Hayntricum* Zhuk. and the meiosis course in it. p. 143.
- Zuova, G. V. - Comparative study of meiosis and wheat-rye amphiploids 31AD-72 and AD-129. p. 148.
- Glavatskaya, T. R. - Microsporogenesis and development of pollen grain in 56- and 42-chromosome *Triticum-Agropyron* hybrids. p. 149.
- Volkova, A. M. - Lichens in the high mountains of the Taganay Range. p. 154.
- Sirko, A. V. - Mycoflora on the peninsula of Lake Medvezhye (Kurgan Province). p. 157.
- Kazantseva, L. K. - Mycoflora of the eastern slope of polar Urals. p. 162.
- Chibrik, T. S., Babets, M. S. - Characteristics of shoot morphogenesis in *Bromus inermis* as related to soil moisture. p. 166.

- Pugach, E. A. - Methods of biometrical studies on generative organs in Larix sukaczevii. p. 172.
- Konin, G. C. - Canopy regeneration in virgin swampy pine forests and the elements of climate. p. 175.
- Kamenskii, G. G. - Characteristics of forest resources in Kama River basin. p. 178.
- Sokolova, N. M. - Transplantation of adult Pinus maaßii. p. 181.
- Taibis, G. I. - Biological characteristics of Actoplon pictus. p. 183.
- Gorchakovskii, P. L. - Tenth International Congress of Botany and Soviet botanists' visits to scientific institutions of Great Britain. p. 191.
- Gorchakovskii, P. L. - V. N. Sukachev and his botanical studies on Ural; on his 85th birthday. p. 201.
- VSESOIUZNOE FIZIOLOGICHESKOE OBSHCHESTVO IMENI P. PAVLOVA. Orenburgskoe otdelenie. Trudy [I. P. PAVLOV ALL-UNION PHYSIOLOGICAL SOCIETY, Orenburg Branch, Transactions]. Orenburg, no. 3, 1964.
- Table of contents translated.
- Alekseeva, A. N., Prikudina, S. P., Tamarov, Z. A. - Effect of the upper laryngeal nerve on respiration. p. 5.
- Askipov, O. V., and others. - Effect of microdoses of chromium, molybdenum, tungsten and manganum salts on rabbit growth and development. p. 11.
- Bokov, G. I. - Origin of tissue hemolysis. p. 17.
- Bulgakov, N. M. - Uterus motility in sheep during sex cycle and its changes as affected by some factors. p. 28.
- Bulgakov, N. M. - Effect of chloral hydrate, caffeine, carbocolline, and ephedrophysine on uterus motility in sheep. p. 30.
- Bulgakov, N. M. - Use of bloquinal in experimental sheep endometriosis. p. 44.
- Vaksheiger, G. A., Tremenko, I. F. - Effect of oxygen inhalation on reflex excitability of the respiratory center. p. 50.
- Vaksheiger, G. A., Medvedev, S. S. - Relationship between body and brain weights in dogs. p. 60.
- Grechishkin, I. I. - Oxygen tension in brain tissue following inhalation of 100 percent and 2 percent oxygen. p. 67.
- Dolgov, M. A. - Hemodynamic disorders in experimental acute intestinal obstruction. p. 74.
- Ivanov, I. S. - Bile secretion in sheep following chronic fistulization of gallbladder and duodenum. p. 78.
- Ivanov, I. S. - Effect of 6-methylthiourea on secretory activity of sheep liver. p. 83.
- Lalzan, L. K. - Quantitative oxygen content in cerebrospinal fluid. p. 88.
- Mikhailov, S. S. - Cavernous venous sinus as intracranial reflexogenic zone. p. 91.
- Noskova, A. S. - Reflex excitability of the respiratory center following exclusion of vision, hearing, and olfaction receptors in dogs. p. 107.
- Olenin, F. S. - Humly changes in body weight and some physiological indices of gelded rams investigated in the course of several days. p. 115.
- Sadikov, G. G. - Methods of recording urethane contraction in goats by fistulization. p. 125.
- Sadikov, G. G. - Contractile function of the uterus and some clinical data on sex cycle in goats. p. 133.
- Semenov, L. A. - Blood microelectrolysis method and its significance in biology. p. 142.
- Semenov, L. A. - Structural changes in erythrocytes of some ruminants following microelectrolysis of their blood. p. 149.
- Smolinov, I. M. - Effect on increased α_2 content in blood on its coagulation rate. p. 157.
- Sovetskova, I. P. - Sugar content in bile and blood of sheep in vivo and in vitro. p. 169.
- Ustinova, V. K. - Effect of recurrent laryngeal nerve on respiration. p. 171.
- Foishild, R. A. - Reflex excitability of the respiratory center in the course of defensive conditioned response. p. 180.
- Kladyski, E. T. - Formation, development, and functional activity of the stomach in ruminants in embryonic stage. p. 191.
- Kuzhman, M. I. - Effect of local anesthetics on oxidation of some tricarboxylic cycle substrates. p. 203.
- Lobanova, G. T. - Effect of sovenone on lecithin and cholesterol content in rabbit blood. p. 206.
- Lobanova, G. T. - Effect of novocaine and sovenone on the nature of experimental hypercholesterolemia. p. 214.
- Slobodkina, K. V. - Effect of diethylaminoethanol, a product of novocaine hydrolysis, on tissue respiration in various organs. p. 220.
- Shuf'ga, V. A. - Potassium and sodium in the blood of animals with tonique shock developing under various functional states of the central nervous system. p. 225.
- Shuf'ga, V. A. - Inclusion of potassium-45 into brain sections following tonique shock developing under various functional states of the central nervous system. p. 226.
- Bodlagin, E. V. - Distribution of synthomycin in the body of laboratory animals. p. 235.
- Liubushin, A. A. - Toxic effect of poisons found in grasses after their wintering under snow. p. 241.
- Maikhashev, A. M. - Some data on the effect of Paris quadrifolia on cardiovascular system. p. 245.
- Petrov, V. P. - Characteristic of absorption and excretion of sulfanilamide preparations under various functional states of the nervous system. p. 249.
- Poplavskaya, A. G. - Effect of apionphen on the secretory function of kidneys. p. 262.
- Poplavskaya, L. G. - Combined action of salsoline and hexamium on water diuresis. p. 266.
- Shesink, V. S. - Accumulation of toxin causing dielotoxic attack in organs of animal body. p. 270.
- Sovetskova, I. P. - Effect of atrovau on bile secretion in sheep. p. 274.
- Makeev, N. I. - Effect of feeding ammoniated silage on digestibility in young cattle. p. 278.
- ZOOLOGICHESKH ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 46, no. 2, Feb 1957.
- Table of contents translated.
- Pollakov, I. A. - Problems of prognosis and advances of plant pest control in the five-year plan for the development of national economy of the U.S.S.R. Report No. 2: In specific pest differentiation. p. 105.
- Chibrikova, O. I. - Testacea from some caves and karst deposits. p. 181.
- Maiinov, T. - Species of the genus Ophelia Savigny (Ophiellidae, Polychaeta) in the Black Sea. p. 187.
- Alimov, A. F. - Characteristics of life cycle and growth of the freshwater mollusk Sphaerium cornu (L.). p. 192.
- Popov, V. V. - Ixodid ticks (Ixodidae) of Tynmen' Province. p. 200.
- Petrov, V. G., Bebesheko, S. V., Kulik, I. L. - Fauna, distribution, abundance, and ecology of Ixodid ticks in Chuvash A.S.S.R. p. 208.
- Tamamkha, M. D., Teleng, N. A. - Population dynamics of European integriceps in the Ukraine and causes for its decrease. p. 213.
- Goncharenko-Popova, L. G. - Ecological principles of different population density of Tanymericus dilaticollis Gyll. in fields of crop rotation. p. 221.
- Borisoglebskaya, N. V. - Biodocking Helicidae (Diptera) of the White Sea coast. p. 229.
- Krivoshelina, N. P., Mamayev, B. M. - New data on families Hesperinidae and Pachyneuridae and their position in the order Diptera. p. 235.
- Dorofeyeva, E. A. - Chromosome complexes in Salmo ischchan Kessler as related to karyosystematics of salmonids. p. 248.
- Shaposhnikova, G. Kh. - Taxonomic position of genera Ichno Günther and Brachymystax Günther. p. 254.
- Engelis, I. U. K., Nekrasov, R. V. - Morphological characteristics of the buccal cavity of corvine birds connected with food transportation. p. 256.
- Kulik, I. L., Karaseva, E. V., Litvin, V. I. U. - New techniques in studying home ranges of small mammals. p. 264.
- Dunaeva, T. N., Dubokhotov, B. P., Silyagina, K. N. - Listeriosis cases in wild rodents of the forest tundra in the north of central Siberia. p. 272.
- Dzhalilov, U. D., Gavrilova, N. G. - Zoogeographical analysis of fish parasites in Turkestan region of the Mediterranean subzone. p. 274.
- Solov'eva, G. I. - Description of male and the additional information on the description of female Discolimus albocollis (Meisevskaya, 1951). p. 276.
- Shavrov, G. N. - New species of the genus Aphelenchus Bastian, 1865 (Nematoda, Aphelenchidae). p. 278.
- Australorhynchus tetramorphacanthus gen. et sp. n., a new species and genus of helminths from fishes of the New Zealand-Australia shelf (Acanthocephala, Rhadinorhynchidae Travassos, 1923). p. 279.
- Simonov, A. M. - Occurrence of Anodonta (Anodonta) cellensis (Schneider) in Lake Balkhash. p. 283.
- Kurennykh, E. P. - Chemical composition of some Balkash animals. p. 283.
- Smirnov, N. N. - Sensilla of trunk limbs in Cladocera. p. 286.
- Smirnov, N. N. - Fertilization in Kamchatka crabs. p. 286.
- Vasil'eva, E. V. - New species of gamasid mites of the genus Volgais from Kemerovo Province. p. 290.
- Kallagin, I. U. S. - Inter generic copulation in Ixodid ticks (Ixodidae). p. 293.
- Mkhelidze, T. S. - Case of gynandromorphism in Agelena labrinnica (C.) (Agelenidae). p. 294.
- Sobolevskaya, O. I. - Role of fatty tissue in developmental cycle of synanthropic flies. p. 296.
- Kaniskala, N. T. - Additional diagnostic characters in flies of the genus Chalcopsylla Kohn, 1903. p. 299.
- Kanep, S. V. - Characteristics of correlational structure of skull characters in common and Transcaucasian field mice (Mus musculus, Gmelin). p. 303.
- Ishmin, G. I. - Kyzy Kum ram population in Nuratau. p. 308.
- AKADEMIYA NAUK KAZAKHSTANSSKOY SSR, Alma-Ata, Izvestiya Seriya Khimicheskaya [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin (Chemical Series) Alma-Ata, vol. 17, no. 2, Mar-Apr 1967].
- Table of contents translated.
- Lebedev, K. B., Ageev, S. A. - Ion-exchange separation of benzene from alkaline solution. p. 5.
- Dement'ev, V. S. - Influence of certain factors on the adsorption of uranium by ion exchangers from natural waters and carbonate solutions. p. 12.
- Abdumov, F. V. - Feasibility diagrams of ideal binary systems with chemical interaction Part 4. p. 19.
- Nevskii, V. M., and others. - Determination of a carbonyl group by means of pyrolysis and gas chromatography. p. 27.
- Pavlova, I. M., Songina, O. A. - Study of the reaction of vanadium with thioxone (8-mercaptotrioxime) by means of amperometric titration. p. 33.
- Songina, O. A., Kemeleva, N. G. - Anodic oxidation of manganese on a platinum electrode under polarographic conditions in sulfuric acid medium. p. 38.
- Shukhova, A. I., Sokol'skii, D. V. - Hydrogenation with simultaneous transesterification of cottonseed oil on skeletal nickel catalyst. p. 43.
- Sokol'skii, D. V., and others. - Liquid-phase hydrogenation of 1-heptene on skeletal nickel-10thium catalysts. p. 49.
- Sokol'skii, D. V., Gogol', N. A. - Hydrogenation of dimethylethynylacetylene on butyl sulfato-base palladium catalysts. p. 54.
- Volkova, L. D., Sokol'skii, D. V. - Behavior of ethylene cyanohydrin in catalytic hydrogenation. p. 60.
- Pollakova, G. A., Sokol'skii, D. V. - Catalytic hydrogenation of phosphonates. p. 67.
- Toistikov, G. A., Gorlaev, M. I., Shumov, I. P. - Triethylphenols. Part 10. Triethylphenol absorption spectra of glycerolbenzic acid derivatives. p. 71.
- Azerbaev, I. N., Sarbaev, T. G., Tizhanov, K. D. - Synthesis and transformations of 1,2,5-trimethyl-4-(3-dialkylamino propyl-1-yl)-4-piperidols. p. 79.
- Azerbaev, I. N., Sarbaev, T. G., Mahamov, U. - Aryloxy acetate esters of acetylenic γ -glycols. p. 83.
- Buketkhanov, N. R., and others. - Oxidation of organic compounds. Report No. 53. Oxidative ammonolysis of 2,5-dinitro-o-p-xylene on tin vanadate. p. 86.
- Petelin, L. P., Gorlaev, M. I., Dzhandosova, K. D. - Study of chemical constituents of essential oils. Report No. 22. Catalytic isomerization of α -pinene in the presence of alkali metal. p. 93.
- AKADEMIYA NAUK KAZAKHSTANSSKOY SSR, Alma-Ata, Institut Khimicheskikh nauk. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Chemical Sciences, Transactions]. Alma-Ata, vol. 15, 1967.
- Electrodes and electrolytes. Physicochemical studies.
- Table of contents translated.
- Razina, N. F., Doldina, V. I., Kiz'lov, G. Z. - Insoluble anodes of iron oxides. p. 3.
- Bundzhev, V. G., and others. - Electrochemical behavior of molybdenum and tungsten in acid and neutral solutions. p. 15.
- Tskhe, L. A., Dunaev, I. U. D., Khiz'lov, G. Z. - Corrosion-resistant lead alloys with tin, antimony, and bismuth in anodic polarization in sulfuric acid solutions. p. 21.
- Byntsova, V. I., and others. - Corrosion resistance of variable purity lead in the anodic polarization in sulfuric acid solutions and zinc current efficiencies. p. 32.
- Brandt, A. G. - K acid sulfate at antimony. Reactions of R. S. of nickel-phosphates. p. 45.
- Zehrev, A. I. - Complex amalgams. Levitskaya, S. A. per amalgams. Lange, A. A. - Study of manga Gladyshev, V. P. behavior of gel. p. 81.
- Bukhman, S. P., the electrolyte. p. 100.
- Kozin, L. F., and others. - Reactions of $\text{In}(\text{Hg})/\text{Pb}^{2+}$. Gladyshev, V. P. Concentration of solutions. p. 12.
- Kozin, L. F., and others. - Ionization of lead on an amalgam. IAN-Sho-Shan, G. the lead - mercury. Nosok, M. F., IAN Phase diagram.

- [illegible]

- Gur'yev, M. V., Sumin, L. V., Volkov, S. A. - Mechanism of the formation of new bonds caused by electron impact with molecules. p. 40
 Evdokimov, V. F., and others. - Radiation-induced chemical synthesis of fluorovinyl derivatives of silicon. p. 46
 Gromov, V. V., Karaseva, L. G. - Nature of radiation damage in irradiated samples of potassium sulfate. p. 51
 Sukhor, F. F., and others. - Spectroscopic study of radiation processes in rubbers at low temperatures. p. 58
 Brieslav, I. U. A., Kotov, A. G., Pshchetskiy, S. I. A. - Mechanism of radiation-catalytic processes occurring on synthetic zeolites studied by the electron paramagnetic resonance method. p. 65
 Tschin, V. A., Nikol'skiy, V. G., Buben, N. I. A. - Photoluminescence of irradiated aromatic compounds at 77° K. p. 71
 Tschin, V. A., Buben, N. I. A. - Charge stabilization at low-temperature radiolysis of aromatic hydrocarbons. p. 78
 Vityl Spitsyn, Pligov, G. N. - Dehydrogenation of n-butane on neutron-irradiated oxide catalysts. p. 84
 Vol. 1, no. 2, Mar-Apr. 1987.
 Table of contents translated
 Gur'yev, M. V., Kuprianov, S. E. - Ionization and dissociation of excited molecules. p. 91
 Alopian, M. E., Loginov, I. U. V. - Mass spectrometric study of the photoionization of free α -amino acids. p. 97
 Pollakova, G. N., Fogel, I. A. M. - Distribution of intensities in the rotational and vibrational structures of the first negative system of N_2^+ bands originating in the dissociation of N_2O by ion impact. p. 103
 Dzantlov, B. G., Shvedchikov, A. P. - Photolysis of III - C_2H_4 - He mixtures. Part 2: Temperature dependence of the rate of ethane formation. p. 107
 Dzantlov, B. G., Shishkov, A. V. - Photochemical and radiation-induced chemical addition of H_2S to ethylene. p. 111
 Firsova, L. P., Do Kim Tung. - Reactions of low-energy tritium T^+ ions with solid benzene. p. 116
 Kozitskiy, A. T., Zubkov, A. V. - Effect of light on paramagnetic particles in irradiated polystyrene. p. 123
 Bagdasaryan, Kh. S., Milutinskaya, R. I., Kovalev, I. U. V. - Luminescence of organic glasses 1 - irradiated at low temperature. p. 127
 Kozlov, V. T., Tanasova, Z. N., Dogadkin, B. A. - Transformations of rubbers in the presence of sulfur in radiolysis and subsequent photolysis. p. 136
 Shubin, V. N., Kabakchi, S. A. - Mechanism of radiolysis of aqueous oxygen solutions. p. 142
 Kabakchi, S. A., Shubin, V. N., Dolin, P. I. - Effect of pH on stationary concentrations of radiolysis products of aqueous oxygen solutions. p. 148
 Fel', N. S., Dolin, P. I., Zolotarevskiy, V. I. - Pulse radiolysis of formamides. p. 154
 Khodzhaev, O. F., Elishov, B. G., Pikaev, A. K. - Electron paramagnetic resonance spectra of irradiated frozen aqueous solutions. Part 5: Aqueous solutions of formic acid. p. 161
 Bugaenko, L. T., Rikova, A. A., Chizhan Yan'an' [Chang Yen-an]. - Mechanism of dichloride ion formation in the radiolysis of frozen aqueous solutions of hydrochloric acid. p. 168
 Svelsov, V. I., Makalimov, A. I., Dobriakova, G. P. - Dissociation of nitrogen in glow discharge plasma. p. 174
 Boldyrev, V. V., Zarko, Z. E., Deribas, A. A. - Mechanism of decomposition of alkali metal bromates and nitrates under the effect of shock wave. p. 177
 *KRISTALLOGRAFIYA [CRYSTALLOGRAPHY]. Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 1, Jan.-Feb. 1961.
 Table of contents translated
 Neronova, N. N., Belov, N. V. - Unified system of crystallographic symmetry groups, classical and black-white. p. 3
 Rumanov, I. M. - Formulas of weighted projections of electron density for plane oblique-angled and rectangular black-white groups without a symmetry (asymmetry) center. p. 13
 Shafranovskiy, I. I., Plameny, V. A. - Generalized forms of twin formations. p. 31
 Troitskaya, N. V., Pinsker, Z. G. - Hexagonal molybdenum nitrides. p. 43
 Talybov, A. G. - Electron diffraction study of the structure of $SnSb_2Te_4$. p. 49
 Rumsh, M. A., Zimkina, T. M. - Interpretation of electron diffraction pictures of complex textured films. p. 56
 Tomil'chik, L. M. - Optical properties of absorbing magnetic crystals. p. 61
 Grum-Grzhimailo, S. V., and others. - Light absorption surfaces of a blue topaz. p. 67
 Bogdanov, S. V., Val, B. M., Razbash, R. I. A. - Piezoelectric properties of polycrystalline barium titanate at high pressures. p. 72
 Sotikov, S. P., and others. - Calculation of the internal electric fields in a perovskite crystal ($CaTiO_3$). p. 78
 Kosevich, V. M., Muroz, N. G., Dashinidze, A. E. - Studying the interaction between twin dislocations and dislocations in $NaNO_3$, Sb , Bi and Fe crystals. p. 88
 Geguzin, I. A. E., Ovcharenko, N. N. - Investigation of surface phenomena in single crystals. Part 2: Mechanism and kinetics of the fluxionless defects in crystals with highly anisotropic elastic tension coefficients. p. 94
 Vinogradov, V. M., Zaitlov, M. M. - Investigation of studying certain Al containing compounds by the method of electron paramagnetic resonance. p. 104
 Poll, G. S. - Models for colored anhydrous crystals. p. 109
 Kuznetsov, A. V., Terentyanov, R. S. - Shifts of lines contingent upon the finite dimensions of monocrystals. p. 111
 Mamedov, Kh. S., Gamidov, R., Dehlov, N. A. - Crystalline structure of lopetite, $Zn_3(PO_4)_2 \cdot 4H_2O$. p. 114
 Krupnikovich, P. I., Tykhnova, M. A., Givshchik, Y. A. - Crystalline structures of hafnium boron compounds (preliminary communication). p. 116
 Krupnikovich, P. I., Gladyshevskiy, F. I. - Crystal structure of compounds in the system $Fe_2O_3 - Al_2O_3 - Y_2O_3$ and $Gd_2O_3 - Fe_2O_3$ (preliminary communication). p. 118
 Bogodolskiy, O. V., Nauchitskiy, A. I. A., Givshchik, Y. A. - X-ray diffraction study of $Fe_2O_3 - Al_2O_3$ solutions. p. 119
 Zhuravlev, N. N., Motik Adamyan, V. R. - Crystal structure of the superconducting compound $La_2BaCu_3O_{7-x}$ and $BaBiO_3$. p. 121
 Dutchak, I. A. - X-ray diffraction study of the structure of liquid aluminum. p. 124
 Lazarev, A. N. - Spectroscopic identification of SiO_2 groups in aluminates. p. 125
 Florinskaya, V. A., Pechenikina, R. S. - Application of infrared spectroscopy in the study of Fe_2O_3 and Al_2O_3 thin films. p. 127
 Bellare, L. M., Gil'vay, A. D., Ponomarev, V. P. - Ca^{2+} sequestration for a particle in a crystal. p. 133
 Gurvich, V. M., Zhetukov, I. S. - Investigation of phase transition of single crystals of LiH_2PO_4 and LiH_2PO_4 at the Curie point by the electron paramagnetic resonance method. p. 136
 Sotikov, S. P., and others. - Antiferromagnetism in $BiFeO_3$ and $BiFeO_3$ crystals. p. 137
 Rumanov, I. N., Kuznetsov, R. G. - Exchange of a ferrocene in a crystal. p. 139
 Berezikova, G. V., Ryzhkov, V. R. - Temperature dependence of the limit of kink formation of cesium iodide crystals. p. 140
 Mil'vitskiy, M. G., Turavskiy, B. M. - Methods for determining the shape of the crystallization front in silicon single crystals grown from a melt. p. 143
 Karpenko, A. G., and others. - Crystallization of growing crystals by the vaporization method. p. 146
 Dits, V. A., Kuznetsov, A. A. - Determining the parameters of elementary cells in fluorapatite. p. 148
 Ljubov, B. A., Aleksandrov, I. N. - First steps in the growth of metal crystals. p. 150
 *RADIOKIMIYA [RADIOCHEMISTRY]. Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 9, no. 2, 1987.
 Table of contents translated
 Mikhalov, V. A., Grigor'ova, E. I., Khurchevskiy, S. K. - Effect of additions of tri-n-butyl phosphite and n-octanol on the thermodynamic activity of di-n-butylphosphoric acid in benzene and toluene in relation to their antagonistic action during extraction of metals. p. 140
 Demontov, V. S. - Absorption of uranium (VI) cation exchange from natural waters and carbonate-containing solutions. p. 150
 Elosin, A. A., and others. - Complex formation of americium, curium, and promethium with trinitrophenylphosphoric acid. p. 161
 Dorlov, M. S., and others. - Complex formation of trivalent americium, curium, and promethium with methylphosphonic acid. p. 166
 Ermolov, N. P., Krot, N. N., Gol'man, A. D. - Disproportionation of plutonium (V) in oxalate solutions. p. 171
 Gilberg, A. A., Lozhkina, G. S. - New salts of uranium-oxalic acid. p. 170
 Gurvich, A. M., Suslova, N. A., Kuznetsov, V. A. - Peroxofluoride complex compounds of uranium. p. 183
 Ermakov, V. A., Stary, I. - Complex formation of Am , Cm , Cf , and Fm with lactic acid. p. 197
 Vdovenko, V. M., Dulasov, I. U. V. - Physicochemical study of some radium compounds. Part 2: X-ray diffraction study of radium nitrate. p. 201
 Akimova, T. G. - Using organic coprecipitation agents for the concentration of actinide elements. p. 204
 Kononov, E. E., Polzulaev, Sh. I., Ermolov, V. P. - Concentration of polonium in uranium by zone melting. p. 215

- Sallikuk, E. K., Nagornaya, L. L., Bezuglyi, V. D. - Polarographic study of changes taking place in polymers under the effect of irradiations. p. 221.
- Savel'ev, I. I., Eishova, Z. V., Vladimirova, M. V. - Alpha-radiolysis of aqueous solutions of nitric acid. p. 225.
- Zvata, I., and others - Continuous rapid separation of group III and IV transition elements using chlorides. p. 231.
- Sotnikov, V. S., Belanovskii, A. S. - Preparation of pure surfaces of germanium, silicon, and quartz. Part 1: Desorption of copper, silver, indium, and antimony by water and acids. p. 240.
- Sotnikov, V. S., Belanovskii, A. S. - Preparation of pure surfaces of germanium, silicon, and quartz. Part 2: Desorption of copper, silver, indium, antimony, and gold by organic reagents. p. 246.
- Syromiatnikov, N. G., Trofimova, L. A. - Co-crystallization of thorium with barium sulfate. p. 251.
- Sotnikov, V. S., Dynei, L. L., Belanovskii, A. S. - Adsorption of cobalt from its solution in NaOH on the surface of germanium, silicon, and quartz. p. 253.
- Sevastianov, A. I., Rudenko, N. P. - State of beryllium in diluted aqueous solutions studied by means of adsorption. p. 256.
- Perovskii, A. P., Sokolov, E. N. - Rapid radiometric method of determining distribution coefficients of zirconium and hafnium during extraction. p. 258.
- Salun, M. G., Timofeeva, T. G. - Amalgam method of separating europium from lanthanum, cerium, praseodymium, and neodymium. p. 261.
- Antonov, P. G., Shvov, V. P. - Study of the conditions of erbium and lutetium amalgam formation in the electrolysis of aqueous acetate-chlorate electrolytes. p. 264.
- Plekunov, L. I. - Quantitative analysis of a two-component mixture of radionuclides. p. 266.
- Onosov, A. I., Perovskii, A. P. - Determination of hafnium concentration in zirconium. Part 1. p. 269.
- Onosov, A. I., Perovskii, A. P. - Determination of hafnium concentration in zirconium. Part 2. p. 271.
- Shvedchikov, A. P. - Reactions of hot atoms of sulfur 35 in CS_2 - CCl_4 mixtures adsorbed on zeolites. p. 274.
- Dzantiev, B. G., Shvedchikov, A. P. - Reactions of hot atoms of sulfur 35 in the system CCl_4 - cyclohexane. Part 2: Formation of labeled cyclohexyl methylethan and pentamethylene sulfide. p. 276.
- Khusidman, M. B., Sharapin, B. N. - Study of irradiated boron nitride by means of electron paramagnetic resonance. p. 278.
- David Moiseevich Ziv. p. 281.
- TASUKENT. UNIVERSITET. Nauchnye trudy [UNIVERSITY. Studies]. No. 200, 1980. Khimicheskie nauki [Chemical Sciences], no. 16. Khimika iastit'nykh veshchev [Chemistry of vegetable substances], vol. 2. Table of contents translated.
- Sadykov, A. S., and others - Improved method of determining gossypol in vegetable cotton organs. p. 5.
- Manovich, E. F., Ismailov, A. I., Sadykov, A. S. - "Gossypol", a new pigment from cottonseed. p. 10.
- Emanuil, N. M., and others - Antioxidative effectiveness of gossypol and its derivatives. p. 15.
- Manovich, E. F., and others - Biochemistry of gossypol pigments. p. 20.
- Isanov, Kh. I., Ismailov, A. I., Sadykov, A. S. - Study of substances of cotton blossoms. p. 28.
- Isanov, Kh. I., Ismailov, A. I., Sadykov, A. S. - Study of fat-wax part of cotton fiber. p. 33.
- Duzitskova, E. P., and others - Study of carotenoids in cotton leaves. p. 38.
- Duzitskova, E. P., Sadykov, A. S. - Study of pectin substances in cotton. p. 42.
- Salit, N. I., Baran, N. I., Sadykov, A. S. - Study of some properties of male and citric acid esters. p. 45.
- Sadykov, A. S., and others - Study of chemical composition of tanning substances in Polygonum carthagen Grig. p. 51.
- Ismaylov, M. K., Sadykov, A. S. - Alkaloids in meadow saffron of Uzbekistan. p. 56.
- Aslanov, Kh. A., and others - Study of alkaloids in *Sophora pachycarpa* C. A. M. seeds. p. 63.
- Aslanov, Kh. A., and others - New method of isolating pachycarpine from wastes of the anabasin industry. p. 67.
- Aslanov, Kh. A., Mubamedzhanov, S. Z., Sadykov, A. S. - Chemical study of Anabasis aphylla L. seeds. p. 71.
- Abdusalimov, B., Sadykov, A. S. - Some tetrahydro-herman derivatives. p. 76.
- Sokolov, S. D. - Pharmacological properties of calligon alkaloid. p. 80.
- Otroshchenko, O. S., Zil'va, A. A., Sadykov, A. S. - Sulfuration of 3,4'-dipyridyl by sulfuric acid. p. 85.
- Otroshchenko, O. S., Kurbatov, I. V., Sadykov, A. S. - Study of chemical transformations of 3,3'-dipyridyl-5-sulfonic acid. p. 88.
- Kurbatov, I. V., and others - Bromination of 2,2'- and 3,3'-dipyridyls. p. 92.
- Makhsunov, M. N., Zil'va, A. A., Otroshchenko, O. S. - Preliminary data from the pharmacological studies of some 4,4'-dipyridyl derivatives. p. 95.
- Amirkhanova, T. B., Podgornova, V. S., Shcherova, I. P. - Extraction-photometric determination of palladium with the help of N-methylanabasine- α' -azo- α -naphthol. p. 98.
- *TEORETICHESKAIA I EKSPERIMENTAL'NAIA KHIMIYA [THEORETICAL AND EXPERIMENTAL CHEMISTRY]. Organ of Otdelenie khimii i khimicheskoi tekhnologii Akademii nauk USSR [Department of Chemistry and Chemical Technology of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 3, no. 1, Jan - Feb. 1987.
- Table of contents translated.
- TSvetkov, E. N., Bocharov, D. A., Kabachnik, M. I. - p- π -Conjugation and character of hybridization of the atomic orbital of an unshared pair of electrons. p. 3.
- Iatsimtskii, K. B., Voichenskova, I. I. - Effective charges of metal atoms in complex ions of elements of the first transition period. p. 9.
- Iatsimtskii, K. B., Voichenskova, I. I. - Characteristics of chemical bond in aquoammine complexes of nickel (II) based on their absorption spectra. p. 17.
- Vanagov, V. - Method of calculating multicoordinated integrals. p. 24.
- Kitaigorodskii, A. I., Dashovskii, V. G. - Conformation analysis of aromatic molecules. p. 35.
- Dashovskii, V. G., Kitaigorodskii, A. I. - Calculation of conformations of overloaded aromatic molecules. p. 43.
- Krasulin, I. U. - Dislocations as active centers in topochemical reactions. p. 58.
- Kupilevich, V. A. - Study by the method of self-consistent field in semiempirical approximation of states with open shells of nucleic acid bases. p. 66.
- Stupochenko, E. V., Osipov, A. I. - Distribution of Maxwellian distribution in chemical reactions. p. 76.
- Vilvilskii, A. I. - Calculation of the heats of formation of carbocyclic compounds. p. 82.
- Smirnov, B. R., and others - Mechanism of diffusion-controlled stage of bimolecular chemical reactions in crystalline and vitreous polymers. p. 88.
- Berlin, A. I., Smirnov, B. R. - Kinetics of polymerization processes in condensed phase and the structure of medium. p. 93.
- Brodskii, A. I., Goldenko, L. L., Kukskii, I. U. A. - Electron paramagnetic resonance spectra of anion radicals of phenazine and its derivatives. p. 98.
- Pon'kovskii, V. V. - Paramagnetic properties of molecular complexes of polyphenylacetylene. p. 106.
- Bobrovskii, A. P., Khotmogorov, V. E. - Electron paramagnetic resonance method of studying the photochemical decomposition of methyl alcohol adsorbed on silica gel. p. 112.
- Borenfeld, V. M., Krugauz, V. A. - Possibility of electron transitions in excited molecules of benzene and its derivatives. p. 117.
- Ioffe, B. V., Steudova, O. V., Korzhukova, L. M. - Manifestation of p- π conjugation in electronic spectra of mono- and dialkyl hydrazones. p. 119.
- Iukhovskii, I. N. - Effect of certain features of conjugation on the characteristics frequencies of (C=O)- and (C=N)- groups in the infrared spectra of molecules. p. 123.
- Slavetskaya, G. P., Ryskin, I. A. I., Mitropolskii, N. A. - Hydrogen bonding in acid potassium molasulfate. p. 125.
- Krestov, G. A., Egorova, I. V. - Thermochemical study of the nitrates of alkaline, alkaline earth elements, and lanthanum in mixed aqueous-glycol solutions. p. 128.
- Melsia, E. G., Egorov, E. P. - Using "electron probe" method for determining the density of polymers. p. 131.
- Fedotov, V. D., Ionkin, V. S. - Effect of proton transition on nuclear relaxation in polymer melts. p. 134.
- Vol. 3, no. 2, Mar.-Apr. 1987.
- Table of contents translated:
- Vechinkin, S. I., Krutchenko, S. V. - Role of electronic correlation in superfine interaction. p. 143.
- Kaplan, I. G. - Calculation of molecular systems by the method of coordinated wave functions. Part 4: Configuration with arbitrary orbital filling. p. 150.
- Lutskii, A. E., and others - Interaction of functional groups through π -electron systems. Part 8: α,β -Difluorovinylene group as a conductor of conjugation effect. p. 160.
- Popov, E. M., Iakovlev, I. P., Kogan, G. A. - Distribution of charges in acrylonitrile molecule and intensity of infrared absorption bands. p. 165.
- Ivanov, G. K., Salasov, I. U. S. - Theory of direct atomic-molecular reactions. Part 1. p. 172.
- Nikitin, E. E. - Effect of rotation on the vibrational relaxation of diatomic molecules. p. 185.
- Bykhovskii, V. K. - Calculation of the rates of atomic reactions at low energies. p. 191.
- Shameko, N. I., Strel'tsov, O. A. - Effect of concentrations of reacting substances on the degree of internal diffusion inhibition of irreversible heterogeneous catalytic reactions. p. 196.
- Kubarev, S. I., Mikhailov, I. D. - Calculation of electronic structure and transfer phenomena in disordered organic systems. p. 204.
- Liaschenko, L. V., Gorkhovskii, I. A. B. - Effect of light on the electronic and catalytic properties of zinc oxide. p. 218.
- Emel'yanov, A. M., and others - Study of cesium oxide and hydroxide by the electron impact method. p. 226.
- Semin, G. K., and others - Nuclear magnetic resonance of F^{19} and the comparison of regularities in variations of chemical shifts of nuclear magnetic resonance of F^{19} and nuclear quadrupole resonance of Cl^{35} and Br^{79} in halonitroalkanes. p. 233.
- Zhidkov, O. P., and others - Saturation of nonuniform broadening electron paramagnetic lines and its application for determining relaxation characteristics. p. 240.
- Avdeev, V. I., Zakharov, I. I. - Calculation of the electronic spectra of Schiff base complexes with Ni (II). p. 250.
- Vasserman, A. M., Buchachenko, A. L., Nelman, M. B. - Influence of steric effects on the distribution of spin density in nitroxide radicals. p. 253.
- Lilich, L. S., Khil'm, M. K., Chizhik, V. I. - Nuclear magnetic relaxation in aqueous solutions 2 - 1 electrolytes. p. 255.
- Burylev, B. P. - Shape of solubility curve in binary nonelectrolyte solutions with different particle sizes. p. 259.
- Stelko, V. V., Mitluk, B. M., Vysotskii, Z. Z. - Study of the state of liquids in gels of polyallic acid by means of nuclear magnetic resonance. p. 263.
- Piskunov, A. K., and others - Electron paramagnetic resonance of radicals formed in the photoexcitation of frozen ethanol solutions of triphenylamine. p. 266.
- Khusidman, M. B., Neshpor, V. S. - Study of hexagonal boron nitride by means of electron paramagnetic resonance. p. 270.
- Papulov, I. U. G. - Calculation of energy differences of rotational isomers of substituted ethane with allowance for differences between azimuthal angles of internal rotation. p. 273.
- Veselov, M. G. - Remarks on L. S. Malants' article "On the theory of intramolecular rearrangements." p. 279.
- Resolution of the Fourth All-Union Conference on Quantum Chemistry. p. 282.
- *UKRAINSKII KHIMICHESKII ZHURNAL [UKRAINIAN CHEMICAL JOURNAL]. Issued by Akademiia nauk USSR [Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 33, no. 2, 1987.
- Table of contents translated.
- Iatsimtskii, V. K., Tovbin, M. V. - Accumulation of energy by catalyst in the ammonia synthesis. p. 110.
- Udovenko, V. V., Sherstoboev, M. A. - Reaction of copper chloride with triethanolamine. p. 124.
- Dolimarshii, I. U. K., Puvienko, N. A. - Polarography of some oxides with NaF - Na₂AlF₆ fused electrolyte as the support. p. 130.
- Kudin, O. K., Leontovich, E. V., Prikhodchenko, V. G. - Deposition of indium on a mercury cathode in the presence of surface active substances. p. 138.
- Aleshkevich, S. A., Sogoin, L. N. - Working of oxyhydroxide-nickel electrode. p. 143.
- Gitsan, D. N., Sepukhova, L. N., Kravina, N. G. - Formation of nickel hydroxide and oxyhydroxide during electrolysis. p. 148.
- Dzuev, A. D., Bozgan, A. G. - Solubility polytherm of the system disubstituted potassium phosphate - water. p. 151.
- Dutchnik, I. A. I. - Nature of atom distribution in liquid alloys of the indium - bismuth system. p. 154.
- Silinskaya, I. B., Budkevich, G. B. - Adsorption of fatty acids from aqueous solutions on hydrophobic hydride- and methylpolysiloxanes. p. 157.
- Kuglitskii, N. N., Orlovchenko, V. I. - Structuration in aqueous dispersions of monocation forms of monothiol. p. 161.
- Tarashevich, I. U. I., Ovcharenko, F. D. - Nature of interaction of water with montmorillonite surface. Report No. 2: Heat and entropy of adsorption of water vapors on cation-substituted montmorillonite. p. 165.
- Sorguchev, I. U. A., Shilov, E. A. - Kinetics and mechanism of heterolytic addition of chlorine to unsaturated compounds. Part 3: Chlorination in proton solvents. p. 173.
- Zemlinskii, N. I., Chernata, N. M. - Isomeric esters of selenodithiophosphoric acid. p. 182.
- Burmistrov, S. I., and others - Arylamides and N-acetylarylamides of p-chlorobenzenesulfonic acid. p. 183.
- Mysyk, D. D., Burmistrov, S. I. - Chloromethylation of 4-arenesulfonfyl-N-methylamidoanisoles. p. 185.
- Kriuchkova, V. E., Zavgornii, S. V. - 2-sec-alkyl-4-bromoisobutyls and some of their transformations. p. 189.
- Gailbel, V. I., and others - Effect of the structure of acyl peroxides on the formation of radicals and the kinetics of polymerization initiated by them. p. 191.

- Luzin, V. I., Kornev, K. A. - Synthesis of p-nitrophenyl-chloromethylcarbinol derivatives. p. 196
- Zosimovich, D. P., Kirova, N. D. - Composition of the electrolytic deposit of "fast chrome black". p. 200
- Zukht, A. I., Pihankevich, A. N., Kabanovskaya, A. I. - Effect of preliminary surface treatment on nickel platings obtained by electrolysis deposition on non-metal. p. 201
- Rashkevich, I. I., Dal', V. I. - Decontamination of waste waters of coke chemical plants by means of sulfonation. p. 205
- Shevchenko, M. A., Krutichuk, E. M., Baranovskaya, A. N. - Removal of phenols from drinking water by activated carbon. p. 208
- Olesov, I. U. G., and others. - Grinding of cathode and anode materials in electrolytic refining of titanium alloys. p. 211
- Afanas'ev, A. S., Khvedchenko, G. M. - Interrelation between the potential of scale-covered steel and weight decrease of sample in sulfuric acid etching. Part 4. Secondary surface phenomena. p. 215
- Mel'ov, B. F., Volkov, S. V., Lazarenko, R. A. - Topographic determination of heats of mixing of fused salts. p. 221
- Maikoz, D. G., Kuziak, E. D. - Electromotive forces of thermogalvanic cells with fused lead chloride. p. 222
- Kruchuk, B. V., Bushin, V. V. - Structure of polymeric films formed from tetramethylmethoxyamine under the effect of glow discharge. p. 224
- Seventh Republic Conference on Physical Chemistry. p. 225
- Scientific and Technical Conference on the Chemistry of Polyurethanes. p. 229
- Vol. 33, no. 3, 1967.
- Table of contents translated
- Savenko, N. F., Sheka, I. A. - Reaction of zirconium and hafnium sulfates with potassium ferrioxalate in aqueous solutions. p. 235
- Shevchenko, I. D. - Study of diethyl ester of phenylsulfonamidothiophosphoric acid as an extraction agent. p. 240
- Shilina, G. V., Delimarskii, I. U. K. - Polarographic study of rare earth elements with molten nitrate as the support and with the use of a rotating disc electrode. p. 245
- Chernobayev, I. P., Loshkarov, M. A. - Elimination of the inhibition of electrode reaction by means of intermediate reagent. p. 253
- Baruchuk, V. T., Shelko, I. N. - Polarographic study of chloride melts containing zirconium dichloride. p. 257
- Razumovskaya, O. N., Protchenko, P. I. - Polarograms of fused alkali metal nitrates. p. 261
- Glimmer, E. A., Tsareva, A. I., Dolyshev, V. G. - Refractometric study of some oxidation-reduction reactions in solutions. p. 264
- Goncharenko, I. A. G., Sikorskaya, E. K. - Solubility isotherm in the system $Fe_2O_3 - SO_3 - H_2O$ at 150°. p. 268
- Volkovich, B. A., Barabanova, A. S., Novitskaya, G. N. - X-ray diffraction study of the products of crystallization in the systems $POCl_3 - NbCl_5$, $(TaCl_5, SbCl_5)$ and $TiCl_4 - POCl_3 - NbCl_5$ ($TaCl_5, SbCl_5$). p. 271
- Novostiomyi, S. V., Deliborodova, E. A., Batalin, G. I. - Density of alloys in binary metal systems Sn - Pb, Sn - Zn, Sn - Bi. p. 277
- Ocheretnyi, V. A., Bergman, A. G. - Application of salt-antagonist principles to the laying out of diagrams of composition of quaternary reciprocal systems. p. 279
- Bergman, A. G., Oprodelenkova, L. V., Druzev, A. D. - Solubility polytherm of the ternary system water - potassium nitrate - monoammonium phosphate. p. 285
- Titov, E. V., and others. - Ionization constants of the series of aromatic amines. p. 287
- Malinovskii, M. S., Khmel', M. P. - Unsaturated α -oxides of 1,2-epoxy-5-cyclopentenyl-4-pentene, 1,2-epoxy-5-cyclohexenyl-4-pentene. p. 291
- Krasovskii, B. M., Smellakova, V. B., Vinetskaya, I. U. M. - Study in the series of azomethine bases. Part 7. Azomethines from 3,3'-disubstituted benzidine. p. 295
- Markov, V. I., Kae'lan, O. D. - Synthesis of N-arene (allano)sulfonylbenzalamines. p. 299
- Tret'jakova, G. S., Kapran, N. A., Chekasov, V. M. - Syntheses in the series of chloroanthracene-carboxylic acids. p. 301
- Kazanina, L. G., Burnistrov, S. I. - 1-Arenesulfonyl-2-haloalkylethyleneimides. Report No. 4. p. 303
- Bezgodova, Zh. I., Stepanova, O. S. - Condensation products of alkyl- and aryl- α -methoxypropylmalonic esters with urea. p. 306
- Stepanenko, L. V., and others. - Polyamides with 5-triazine rings in the chain. Part I: Polyamides based on 1-alkyl-3,5-bis-(2-carboxyethyl) isocyanurates and some aliphatic diamines. p. 308
- Saizhevskaya, V. P., Kornev, K. A., Smirnova-Zamkova, S. E. - Polyamides with aromatic and heterocyclic links in the chain. Part 13: Polyamides on the basis of 2,5-thiophenedicarboxylic acid. p. 311
- Balko, A. K., Vasilevskaya, A. E. - Luminescent determination of boron by means of rhodamine 6G. p. 314
- Shukalo, M. I. - Reaction of titanium with 4-(2-pyridyl-azo)-resorcinol. p. 319
- Tseilin, A. N., Lende, I. U. V. - Adsorption of nitrogen oxides on the steel plate. p. 324
- Kalluzhina, P. F., Pimenova, K. N., Gavrilova, Z. P. - Conditions for electrodeposition and physicochemical properties of Ni-Nb alloy coatings. p. 327
- Balko, A. K., Nabivneta, B. I., Lukachina, V. V. - Use of saturated solutions of hydroxides of high-valence elements as a standard state in studying complex-forming processes. p. 331
- Agabekiants, E. G., Ocharenko, F. D. - Stabilization of weighted petroleum-emulsion polyoxysilicate suspensions by hypon under conditions of salt corrosion and high temperatures. p. 336
- Lovchenko, E. S., Maikovsky, L. N., Kirsanov, A. V. - Derivatives of arene-N-alkylthioammonium acids. p. 337
- Ninth Ukrainian Republic Conference on Organic Chemistry. p. 339
- Vol. 33, no. 4, 1967.
- Table of contents translated
- Flakov, I. U. I. A., Platogorskaya, N. I. - Diagram of effective index - composition for binary liquid systems. p. 347
- Delimarskii, I. U. K., Shilina, G. V. - Chronopotentiometric study of some depolarizers with fused nitrates as the support. p. 352
- Goncharenko, I. A. G., Sikorskaya, E. K. - Study of the system $TiO_2 - Fe_2O_3 - SO_3 - H_2O$ by the methods of solubility and spectrophotometry. p. 361
- Volkovich, B. A., Barabanova, A. S., Novitskaya, G. N. - X-ray diffraction investigation of the products of crystallization in the systems $AlCl_3 - POCl_3$ and $AlCl_3 - Nb(Ta)Cl_5 - POCl_3$. p. 367
- Samchenko, Z. A. - Structural changes in polypelargonamide studied by measurements of water vapor sorption. p. 370
- Smilakova, I. B., Korol', A. N. - Study of the adsorption properties of ethyl-, phenyl-, and polysiloxane hydrides by means of gas chromatography. p. 373
- Ocharenko, F. D., Agabekiants, E. G., Rjabchenko, V. I. - Effect of calcium hydroxide on structure formation of clay suspensions. p. 377
- Tsvetkov, N. S., Beletskaya, E. S. - Polymer peroxides as initiators of radical polymerization. p. 380
- Stepanova, O. S., Bezgodova, Zh. I. - Synthesis and chemical transformations of some aryl- and alkyl- α -methoxypropylmalonic esters. p. 384
- Ivancheva, E. G., Novakovsky, N. P., Panfilov, A. V. - Degradation of melamine-formaldehyde resin films. p. 387
- Stepanenko, L. V., and others. - Polyamides with 5-triazine rings in the chain. Part 2: Polyamides based on 1-alkyl-3,5-bis-(2-carboxyethyl) isocyanurates and some aliphatic-aromatic diamines. p. 389
- Rudavskii, V. P., Khasin, I. G. - Preparation of some aromatic derivatives of trichloroacetamide from hexachlorocyclopentadiene. p. 391
- Shecherbina, F. F., Fedorova, I. P. - Cyclopolymerization of N-allylacrylamide. p. 394
- Balko, A. K., Shkaravskii, I. U. F., Ivashkovich, E. M. - Photometric determination of phosphorus by diazo coupling with oxyquinolinium phosphomolybdate. p. 397
- Pilipenko, A. T., Ralushko, O. P. - Instability constants of zinc complexes with some dimercaptokanesulfonic acids. p. 403
- Platinskii, I. V., Sereda, E. S. - Studying niobium tartarate complexes by the extraction method. p. 408
- Tarkovskaya, I. A. - Sorption of ultramicroimpurities of alkaline earth metals from concentrated solution of sodium hydroxide and ammonium chloride on oxidized carbon. p. 414
- Zavgorodnaya, E. F., Rodak, I. U. P., Ignatenko, V. V. - Anodic oxidation of zinc in Na_2CO_3 solution. p. 416
- *VSESOIUZNOE KHIMICHESKOE OBSHCHESTVO IMENI D. I. MENDELEEVA. Zhurnal [D. I. MENDELEEV ALL-UNION CHEMICAL SOCIETY. Journal]. Moscow, vol. 12, no. 2, 1967. This number is devoted to the economics of the chemical industry.
- Table of contents translated
- Fedorenko, N. P. - Improving the efficiency of developing the chemical industry. p. 122
- Feldman, M. V., Borodinskii, E. I. - Planning and business accounting under the new conditions. p. 128
- Iurovskii, B. Z., Savitskii, E. S. - Problems of price determination in the chemical industry. p. 133
- Pogostin, S. Z., Lebedev, E. I. - A new system of material incentives for workers of chemical industry enterprises. p. 139
- Beliaev, V. S., Pen'kova, N. V. - Problems of the efficient use of capital investments and capital assets in the chemical industry. p. 145
- Fedorovich, M. M. - Economic problems of automating the chemical industries. p. 153
- Savitskii, E. S. - Rates of developing the chemical industries. p. 158
- Borisovich, G. F. - Improving the branch structure of the chemical industry. p. 165
- Aleshtin, A. V., and others. - Optimizing the intrabran- structure of chemical industry productions. p. 172
- Alisov, N. V. - Revealing the economic efficiency of the regional specification of production in the chemical industry. p. 180
- Sominskii, V. S. - Economics and the organization of research and experimental work in the chemical industry. p. 186
- Smirnova, E. D. - Some problems of the management and organization of production in the chemical industry of England. p. 195
- Shul'gin, N. A. - Some problems of the organization of production and labor in the chemical enterprises of the Federal Republic of Germany. p. 202
- Grubov, V. I. - Some problems of using electronic computers in the chemical industry. p. 207
- Dedov, A. G., Kornev, K. A. - Tendencies of developing the chemical industry in the principal capitalist countries. p. 210
- Valentin Alekseevich Kargin, on his 60th birthday and 45th anniversary of activity. p. 218
- News of science and technology. p. 219
- Awarding the D. I. Mendeleev Gold Medal to Academician S. I. Vol'kovich. p. 224
- Simonov, A. M., Pozhariskii, A. E. - The Second All-Union Conference on the Chemistry of Five-Membered Nitrogen Heterocycles. p. 225
- Belov, B. I. - Methodological conference on exchanging the work experience of the Section of young chemists. p. 227
- B. I. - In the local boards of the D. I. Mendeleev All-Union Chemical Society. p. 230
- Solov'eva, A. S. - Conference on the manufacture of sulphuric acid by contact process. p. 231
- Paukov, I. E., Glukhikh, L. K. - Heat capacity at low temperatures and absolute entropies of hexafluorobenzene and pentafluorobenzene. p. 236
- Plashkin, V. S., and others. - Isomerization processes in electrochemical fluorination of amines. p. 237
- Petunin, P. A., Koshin, M. E., Kozhevnikov, I. U. V. - New method of preparing 9-arylamino-1,2,3,4-tetrahydropyridines. p. 238
- Luginina, I. G. - Double salt formed on heating calcium carbonate with sodium fluoride. p. 239
- VYSOKOMOLEKULIARNYE SOEDINENIYA. Seriya B [MACROMOLECULAR COMPOUNDS. Series B]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 9, no. 1, Jan. 1967.
- Table of contents translated
- Bagdasaryan, Kh. S. - Diffusion kinetics of polymer radical recombination. p. 10
- Namokhin, N. S., Sorokin, G. V., Porchenko, V. N. - Effect of hydride silanes on ethylene polymerization. p. 14
- Asvatskii, A. A., and others. - Study of the process of hardening of unsaturated polyester based on stress relaxation at constant deformation. p. 18
- Nikitin, E. E., Fuzsenko, I. V., Lvov, V. L. - Phosphorylation of polyvinyl alcohol with trivalent phosphorus acids and their esters. p. 18
- Adiova, N. A., Koton, M. M., Ivanova, L. P. - Synthesis of aromatic polyimides on the basis of dianhydride of 3,3',4,4'-benzophenonetetracarboxylic acid. p. 22
- Tkacheuk, S. M., and others. - Structure of hardened isopropyl polymers. p. 24
- Nurmuhametov, R. N., Shigolin, D. N., Mitina, L. A. - Mechanism of inhibition of photooxidative degradation of polymers with oxybenzophenone light stabilizers. p. 26
- Vinogradova, S. V., and others. - Thermal structuration of unsaturated polyesters. p. 31
- Chuchin, A. E., Kolesnikov, G. S. - Kinetics of decomposition of polyphenylene ethyl hydroperoxide in chlorobenzene. p. 33
- Stetkina, L. S., Rogovin, Z. A. - Possibility of preparing fluorodeoxycellulose. p. 37
- Kachan, A. A., Cherniavskii, G. V., Shrubovich, V. A. - Sorption of chloroform, carbon tetrachloride, and tetrachloroethylene on polyethylene. p. 40
- Kachan, A. A., Cherniavskii, G. V., Shrubovich, V. A. - Photochemical cross-linking of polyethylene in the presence of chloroform, carbon tetrachloride, tetrachloroethylene, and benzophenone. p. 43
- Ivanov, S. S., Gavrilchenko, L. P., Koton, M. M. - Synthesis of poly- α -glycidylhydroalantines by reaction in chains of poly- α -chloroacetylhydroalantines. p. 48
- Kolesnikov, G. S., Smirnova, O. V., Samsonova, Sh. A. - Mixed polyesters of carbonic and isophthalic acids. p. 49
- Gaponenko, T. K., Laponko, V. L., Kalitina, T. M. - Vinylation of pectin. p. 53
- Malinskii, I. U. M., Guzev, V. V., Kargin, V. A. - Thermal linear expansion of oriented capron fibers. p. 55
- Sazhin, B. I. - Electric conductivity of polytrifluoroethylene. p. 58

- Beilin, A. I., Ivanov, V. V., Enikolopian, N. S. - Cyclization of polymers with chain transfer termination. p. 61.
- Korshak, V. V., Mikhailova, N. S., Bekasova, N. I. - Synthesis and some properties of coordinated polymers based on bis-[p-(2-hydroxypropenyl)-phenyl] oxide and bis-[p-(2-hydroxypropenyl)phenyl] and bivalent metals. p. 64.
- Frunze, T. M., and others. - Some mechanical properties of graft copolymers of styrene with ϵ -caprolactam. p. 67.
- Kachan, A. A., Temkin, A. I. - Occlusion of macroradicals during vapor-phase graft polymerization of acrylonitrile on capron filaments. p. 70.
- Smolenskii, A. L. - Some features of the mechanism of formation of hydrogen bonds in polymer solutions. p. 74.
- Zimin, E. V. - Heat resistance of salt vulcanizing network. p. 77.
- Bel'mil, N. M. - Remark on I. A. Kolbovskii's article "Effect of polydispersity on light scattering in polymer solutions." p. 79.
- Geczy, I. - Calculation of some physical characteristics of linear synthetic polymers. p. 81.
- Talalaevskii, M. B. - Direct titrimetric determination of nitric and sulfuric acids in aqueous solutions of their mixtures. p. 289.
- Pollanova, N. G., Filippova, Zh. A. - Spectrochemical determination of small amounts of tellurium and sulfur. p. 290.
- Klueva, N. D., and others. - Quantitative determination of some hydroperoxides by means of electron paramagnetic resonance. p. 292.
- Lapilov, A. L., and others. - Analysis of hexane-hexene fractions by the capillary chromatography. p. 295.
- Tolmacheva, N. S., Nikolenko, L. N. - Chromatographic separation of ribonucleotides in a thin layer of diethylaminoethylcellulose. p. 298.
- Tikhomirova, G. P., Belen'kaya, S. L., Madalina, N. F. - Polarographic behavior of methyl- α -bromoy-acetoxypropyl ketone and its quantitative determination. p. 301.
- Usova, E. P. - Separation of ω -aminoalkanoic acids of gas-liquid chromatography. p. 304.
- Moscow Seminar on Analytical Chemistry. p. 311.
- *ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 42, no. 4, Apr. 1967.
- Table of contents translated
- Borbova, E. N., Eremil, E. N. - Kinetics and mechanism of conversion of simplest hydrocarbons in glow discharge at low pressure. p. 757.
- Finkov, I. U. A. - Molar-additive properties in the physicochemical analysis of binary liquid systems. p. 764.
- Kuz'min, M. G., and others. - Chemistry of electron-excited states of organic compounds. p. 769.
- Lutsik, A. E., Sheremet'eva, G. I. - Inter molecular reactions involving π -electrons of furan. p. 776.
- Goltanskii, O. I. - Saturated vapor pressure as depending on boiling points. p. 781.
- Saranov, E. I., Bulatov, N. K., Mokrushin, S. G. - Kinetics of electroless deposition of thin nickel films on the glass surface from ammonia solutions. p. 786.
- Kreshkov, A. P., Drozdov, V. A., Kulazev, V. N. - Determination of ionization constants of some tri-methylacyloxyallanes in methyl alcohol medium by means of potentiometric titration. p. 790.
- Pasynskii, A. G., Tverltsov, V. N. - Effect of hydrogen-ion concentration on the activity of phosphoglucomutase. p. 793.
- Pokhleva, T. A., Eremov, I. F. - Contact interaction at the interface of concentrated electrolyte solutions. p. 800.
- Vlasov, I. U. G., Makarov, L. L. - Contribution to the theory of solid solutions of alkali halides. p. 806.
- Bazhenov, M. A., Sultisheva, Sh. Sh. - Use of differential equations of thermodynamics in diagram plotting. p. 813.
- Drozin, N. N. - Determination of the standard entropy of alkali metal halides based on their mutual oscillations. p. 819.
- Mikhailov, V. A., Kharchenko, S. K., Ponomareva, L. I. - Thermodynamic study of the binary systems water-benzene - tri-*n*-butyl phosphate and water - chloroform - tri-*n*-butyl phosphate. p. 822.
- Ivanov, A. I., and others. - Ionization constants of polynitroalkanes in alkyl and methyl alcohols. p. 830.
- Slevetskii, V. I., and others. - Ionization constants of polynitroalkanes in some aprotic dipolar solvents. p. 834.
- Vasil'ev, V. P., Lobanov, G. A. - Calorimetric determination of the heat of water ionization in the 0-70°C temperature range at different values of ionic strength. p. 836.
- Varich, N. I., Iakub, A. A. - Solubility of cadmium, manganese, antimony, and tin in lead during hardening of alloys from liquid state. p. 844.
- Isaev, N. I., Zolotareva, R. I., Ivanov, E. M. - Polarization on a rotating ion-exchanging membrane. p. 849.
- Shanrttskaya, I. P., Maleshko, V. P. - Swelling of KU-2 cation exchanger in alkali metal ion exchange for hydrogen ions. p. 853.
- Mosharov, Z. A., Kaufman, I. G., Entelis, S. G. - Thermoelectricity of epoxide reactions. p. 858.
- Petrov, S. M., Umanskii, I. U. I. - Activity coefficients of hydrogen chloride in *N,N*-dimethylformamide. p. 864.
- Kruglik, I. U. A. - Rate of solvated ions. p. 867.
- Vorovichskii, V. M. - Conditions of the formation of unlimited solid solutions in two-component metallic systems. p. 869.
- Stelko, V. V., Kanibolotskii, V. A., Vysolskii, Z. Z. - Possible role of donor-acceptor interaction in specific adsorption. p. 872.
- Tulupov, V. A. - Homogeneous catalytic hydrogenation. p. 874.
- Radechenko, M. E., Tsvetkov, V. P., Gorokhov, K. I. - Particular features of chemical bond in an ordered alloy Fe-Si. p. 877.
- Danilin, V. N., Iakubenko, S. P. - Thermodynamic properties of liquid solutions and phase diagram of the gallium-thallium system. p. 879.
- Mikhailov, A. S. - Calculation of free energies of formation and solubility products of some phosphates of the apatite group. p. 882.
- Gorbachev, S. V., Kaluzina, N. D. - Kinetics of electrochemical oxidation of quinuclidine in mixture isomers as solvents. p. 884.
- Mokushin, I. U. A., Lunina, M. A. - Stability and potential of metal organodisperse systems as dependent on the composition of the medium. p. 887.
- Kasatkin, A. P., and others. - Some features of growth and dissolution of KCl and KBr crystals in Bergmann's reagent. p. 889.
- Rabochii, A. - Equilibrium of 1- and 2-methylnaphthalenes in the system liquid - solid. p. 891.
- Vaisberg, E. S., Iakhontova, L. F., Bruns, B. P. - Kinetics of ion exchange of large organic ions on carboxylic cation exchangers. p. 892.
- Zelkin, V. I., and others. - Reactivity of nitrobenzene and its chloro derivatives. p. 895.
- Batunov, G. M., Remlova, A. A., Tevi, S. A. - Effect of the degree of polymer crystallinity on the study of thermal dilatation near the melting point. p. 899.
- Iagolovskaya, T. V., Nekrasov, L. I., Klimushina, N. P. - Calculation of normal oscillations of ozone and its infrared absorption spectrum. p. 902.
- Geotakian, K. T., Kislav, A. V., Lygin, V. I. - Study of the adsorption of acetaldehyde by aerosol, catalyzed and decatalyzed zeolites by means of infrared spectroscopy. p. 903.
- Kalova, G. D., Guretskaya, Z. L., Bundeil, A. A. - Luminescence of nonstoichiometric siliconium oxide. p. 907.
- Semenchenko, V. K. - Nearest postulate and theorem of ultimate stability states. p. 910.
- Kolesov, V. P., Maizynov, A. M., Skarlatov, S. M. - Standard enthalpy of 1,1,1-trifluoroethylene formation. p. 913.
- Panchenkov, G. M., Borisenko, N. N., Erchenkov, V. V. - Use of nuclear magnetic resonance relaxometer for studying self-diffusion in liquids. p. 916.
- Grabovskaya, Zh. E., Andreeva, L. R., Vinnik, M. I. - Activity coefficients of 2,4-dinitroaniline and 2,4,6-trinitroaniline in concentrated aqueous solutions of sulfuric acid. p. 918.
- Svetlanov, E. B., and others. - Catalytic interaction of hydrogen chloride and methanol. p. 920.
- Vorob'ev, A. P., Broder, A. F., Skarlatov, S. M. - Airtight necking calorimeter for measuring the enthalpy of reactions taking place in liquid medium. p. 922.
- Aleksandrov, G. G., Larionov, O. G., Ponomarev, A. S. - Device for studying the sorption of liquids on crystalline zeolites. p. 924.
- Berezin, G. I., Kiselev, A. V., Shitsyn, V. A. - Two calorimeter for measuring heat capacity of adsorption systems. p. 926.
- Kokotov, I. U. A. - Some particular methods of rectifying function-graphs as used in physical chemistry functions $y = c/(ax + b)$ and $y = a(1-x) + b \ln |x|$. p. 930.
- Fuknerman, A. E., Litvov, I. U. S. - Automatic unit for recording isotherms for surface pressure - area. p. 933.
- Kharovskaya, T. G., Vasil'ev, I. A. V. - Use of the MOD-54 bridge for measuring temperature by a resistance thermometer. p. 936.
- Decision of the First All-Union Symposium on the Thermodynamics of Ion Exchange. p. 942.
- Seventh Ukrainian Republic Conference on Physical Chemistry, Donetsk, 1966. p. 944.
- Works on the thermodynamics reported at the Seventh Ukrainian Republic Conference on Physical Chemistry, Donetsk, 1966. p. 946.
- Academician A. N. Terent'ev. p. 948.
- *ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 12, no. 3, Mar. 1967.
- Table of contents translated:
- Alimovskii, S. I., and others. - Rhombic β' -phases of niobium and vanadium carbides. p. 579.
- Sterladkina, Z. K., and others. - Reaction of copper chloride with sodium borohydride in water. p. 583.
- Nisels'ov, L. A., Sokolova, T. D., Pugachevich, P. P. - Orthobaric density, viscosity, and surface tension of germanium tetrachloride. p. 589.
- Ivashentsev, I. A. I., Timonova, R. I. - Chlorination of palladium and behavior of its chloride on heating. p. 592.
- Berg, L. G., Koryzhova, V. P. - Differential-Thermal Activation Method and its possibilities in the study of the thermal behavior of substances decomposing with the separation of gas phase. p. 596.
- Pilotin, G. O., Novikova, O. S. - Thermographic and thermogravimetric methods for determining the activation energy of dissociation processes. p. 602.
- Vasil'ev, V. P., Grachina, N. K. - Solubility of bismuth oxychloride in perchloric acid solutions and standard isobaric potential of Bi^{3+} ion in aqueous solution. p. 605.
- Gavrilenko, V. V., and others. - Existence of sodium hexahydroaluminate Na_6AlH_6 . p. 610.

- Fateeva, A.A., Stepin, B.D. - Solubility isotherm of the system RbCl-ICl₃-HCl-H₂O at 0°C. p.809.
- Bergman, A.G., Tashmetov, R. - Solubility polytherm of the system ammonium sulfate-ammonia-water. p.813.
- Smirnov, V.F., Gorlov, E.E. - Extraction of phosphoric acid by tri-n-octylamine solution in benzene. p.816.
- Fedorov, P.I., Khagleva, L.P. - Reaction of gallium chloride with niobium and molybdenum pentachlorides. p.818.
- Panushin, V.T., and others - Complexes of chelates of β-aminovinyl ketones with SnCl₄. p.819.
- Gavrilsh, M.L., Galimfer, I.S. - Hydrolysis of lithium and sodium silicates in aqueous solutions at 160°-340°C temperature range. p.823.
- Protsenko, V.A. - Amperometric titration of cerium (IV) sulfate. p.824.
- Savitskii, A.V., Stachilova, S.I.A., Kokoreva, I.I.U. - Dipole moments of inner-complex compounds of pentavalent vanadium. p.826.
- Droginov, G.G., Ermachkov, V.I. - Systems Li, K, Cs // Br and Li, K, Rb // Br. p.827.
- Aslanov, L.A., Novoselova, A.V. - Mixed tantalum chloroglenides. p.829.
- Kharitonov, I.U. A., Dymina, I.K., Leonova, T.N. - Frequencies of preferentially stretching vibrations of metal-ligand of platinum-methylamine complexes. p.830.
- Vol 12, no 4, Apr. 1967.
Table of contents translated
Alekandr Abramovich Grinberg, an obituary. p.835.
Grinberg, A.A. - Importance of platinum complexes for coordination chemistry. p.842.
Polichenok, O.G. - Experimental determination of the enthalpy of formation of rare earth fluorides. p.851.
Nisels' son, L.A., Titukhova, K.V. - Orthobaric densities and critical parameters of TiCl₄ and VOCl₃ and density of their mixtures. p.857.
Nisels' son, L.A., Nikolaev, R.K., Orshanskaya, Z.N. - Orthobaric densities and viscosity of liquid tungsten and rhenium oxytetrachlorides. p.860.
Kvashentsev, I.A.I., Ivanova, V.I., Ketov, A.N. - Chemical mechanism of interaction of lead oxide with some chlorinating reagents. p.864.
Proskurnikov, A.A., Kylov, E.I. - Reaction of hydrogen with chromium during electrolysis. p.867.
Komissarova, I.N., and others - Stability on monothioacetate complex of scandium. p.873.
Vasil'ev, V.P., Lobanov, G.A. - Effect of temperature and ionic strength on the thermal effect of formation of monohalide complexes of bismuth in aqueous solution. p.878.
Belles, R.G., Beoles, C.M. - Peroxomolybdic derivatives of organic bases. p.884.
Kutakoski, A.K., Levina, V.R. - Reaction of precipitation of zinc hydroxyphosphates by ammonia. p.893.
Rassonskaya, I.S., Semendileva, N.K. - Double sulfates of cesium and lithium. p.900.
Zaitseva, L.L., and others. - Physicochemical properties of double sodium sulfates of europium and terbium. p.906.
Mal'tova, T.V., Fateeva, N.A., Ialsimskii, K.B. - Spectrophotometric method of determining equilibrium constants in systems of complexes having close stability value. p.915.
Lavrova, G.V., Tsimerzaki, V.A. - Infrared absorption spectra of citrate complexes of gallium and indium. p.922.
Shmalderman, S.I.A., Klimenko, E.P. - Pyrogallol-carboxylic complex of vanadium (IV). p.927.
Efimushina, N.P., Lauer, R.S., Poluektov, N.S. - Complex compounds of rare-earth elements with sugars. p.933.
Tikhonova, L.I. - Complex formation of zirconium with some polyanionophosphate acids. p.939.
Kirin, I.S., Moskalov, P.N., Ivanikova, N.V. - Synthesis and some properties of neodymium phthalocyanine. p.944.
Moldokin, A.K., and others. - Compounds of carbamide with acids. p.947.
Palkin, V.A., Kuz'mina, N.N., Cherniacov, I.I. - Heat capacities of ammonium chloride compounds of tetravalent platinum. p.958.
Shaveleva, A.O., Bukhovets, S.V. - Platinum compounds with di-(1-hydroxycyclohexyl) acetylene and di-(1-hydroxycyclopentyl) acetylene. p.965.
Udovenko, V.V., Duchinskii, I.U.S. - Complex compounds of nickel(II) halides with monoethanolamine. p.969.
Artemenko, M.V., Silusarenko, K.F. - Use of absorption spectra for determining the composition of complex compounds of copper nitrate with 2-methylbenzimidazole. p.974.
Udovenko, V.V., Duchinskii, I.U.S. - Spectrophotometric study of nickel (II) complexes with monoethanolamine. p.981.
Palade, D.M. - Some mixed hexamides of trivalent cobalt. p.987.
Bai Fuyuskii, V.F., Radovskaya, T.L. - Spectrophotometric study of silicotitanomolybdate complex solutions. p.991.
Romanova, A.D., Faorskaya, L.V., Ponomarev, V.D. - Study of the composition and nature of bonds in complexes of scandium chloride with tributyl phosphate by means of infrared spectroscopy. p.998.
- Sultayeva, G.G., Nazarkova, V.A. - Bromide ion activity of tetravalent tellurium. p.999.
Korovin, S.S., and others - Extraction of strontium and hafnium with tributyl phosphate from solutions of nitric and perchloric acid mixtures. p.1000.
Nikolaev, A.V., Rubinshteyn, A.I., Afanas'yev, I.U.A. - System cerium (IV) nitrate - HNO₃ - H₂O - (C₂H₅O)₂PO at 25 °C. p.1019.
Bergman, A.G., Andriushchenko, I.U. - Some properties of the systems consisting of bromide of lithium, potassium, and lead. p.1025.
Pastil'niki, A.I., and others. - Some properties of HClO₄ and HBr, and solubility in the systems formed by them. p.1031.
Slukhov, B.A. - System 2Na + NaOH → Na₂O + H₂O. p.1035.
Mitkevich, I.M., Slukhov, B.A. - Study of the reaction of KOH + Na₂Zr + NaOH in the 300-500°C temperature range. p.1041.
Posypalko, V.I. - Types of oligomer states of quaternary reciprocal systems 3 // 3 formed by Li, Na, K, and Rb cations and Cl⁻, Br⁻, I⁻, NO₃⁻, SO₄²⁻ anions. p.1045.
Golub, A.M., Matinkova, P.P., Voloshina, L.S. - System Al(NO₃)₃ - (NH₄)₂CO₃ - H₂O. p.1049.
Iakimov, M.A., Mishin, V.I.A. - Heliotropic equilibria in the ternary system type monovalent metal nitrate - nitric acid - water. p.1053.
Sheveluk, V.G., Valchev, M.I. - System CaCl₂ - H₂O at 25 °C. p.1064.
Sheverov, V.G., Kotov, L.L. - System (NEt₄)₂SO₄ - ZnSO₄ - H₂O at 25 °C. p.1069.
Nabokovskaya, R.N. - Quaternary reciprocal systems consisting of fluorides, chlorides, and nitrates of sodium and potassium. p.1075.
Posypalko, V.I. - New type of amphoteric compounds in systems consisting of 16 salts. p.1080.
Nikol'skii, A.B., Semenov, G.A., Veselovskaya, L.S. - Thermal decomposition of oxonium chlorides. p.1081.
Khlin, L.S., and others. - Use of xenon difluoride in the synthesis of latent photodetectors. p.1090.
Kukushkin, I.U.N., Lipovskii, A.A., Vlasovskii, I.U.C. - Complex compounds of divalent platinum with arylhydrazide. p.1099.
Maizulis, P.V., Samokov, I.U. - Synthesis of new crystalline upper sulfur CuS. p.1092.
Lebedev, R.N., Iakimov, I.M., Milin, I.P. - Some properties of acid tin (II) ethylenediamine acetate. p.1093.
Kudashovskii, V.V., and others. Reaction of tetrafluoroethylene with phosphorus trichloride. p.1094.
Molchanova, N.V., Ozerova, G.P., Penkov, V.M. - Study of the complex formation of chromium with thienyltrifluoromethane by the distribution method. p.1096.
Volkov, A.B. - Oxidation of sodium hexamethantite by silver oxidized. p.1097.
Parbusina, L.I., Smol'tsi, L.P., Ivanova, T.N. - Precipitation and properties of ammonium acetate. p.1100.
Zakunovskii, A.I., Vlasov, G.A. - Solubility of CaSO₄·2H₂O in solutions of H₂SO₄ at 25 °C. p.1101.
Stepin, B.D., Fokeev, A.A. - System HCl - HCl₃ - H₂O at 25 °C. p.1102.
Sheveluk, V.G., Lebedevskii, B.N. - System H₂SO₄ - Al₂(SO₄)₃ - H₂O. p.1103.
Zolotov, I.U.A. - International Conference on Analytical Chemistry. p.1108.
Molodkin, A.K., Belikova, Z.V. - Proceedings of the Symposium on Coordination Chemistry. p.1108.
- *ZHURNAL ODSICHNI KHIMI [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 37, no. 3, Mar. 1967.
Table of contents translated:
Ignatov, I.U., Muratov, I.G. - Effect of various physicochemical factors on equilibrium during ion exchange in the sodium-potassium system. p.521.
Lapina, I.L., Nisels' son, L.A., Kuratova, A.A. - Liquid-vapor equilibrium in the systems formed by phosphorus trichloride and chloroxides with aromatic ethers. p.525.
Laplus, I.L., Nisels' son, L.A., Karateva, A.A. - Liquid-vapor equilibrium in the binary systems of dioxane with tri- and tetrachlorosulfone. p.531.
Leschenko, A.V., Ostrov, O.A. - Physicochemical study of the interaction of niobium chloride with organic compounds. p.534.
Anosov, V.I.A. - Relationship between solubility isotherms in ternary nonreciprocal systems at different ways of expression of concentrations. Part 4. Weight fractions (weight percents) and molar fractions (molar percents). Relation (linear) between concentrations of saturating and unsaturating component at one of the ways of expression of concentration. p.539.
Kozlov, E.I., Obolnikova, E.A., Samokhvatin, G.F. - Synthetic studies in the field of polyene compounds. Part 27. Oxidation of 6-chromenols of vitamins K₂/g and K₂/20 by atmospheric oxygen. p.541.
Lodochnikova, V.I., Panov, E.M., Kocheshkov, K.A. Interaction of Pb(OOCR)₄ and ArPh(OOCR)₃-n with organotin and organolithium compounds. p.547.

- Gavrilko, V. V., Ivanov, L. L., Zakharkin, L. I. - Some transformations of complex aluminum acetylides p. 550.
- Zakharkin, L. I., Kazantsev, A. A. - Action of C-methyl derivatives of barbitones on carboxylic acid derivatives p. 554.
- Zakharkin, L. I., Sorokina, L. P. - Reduction of carboxylic acid esters to aldehydes by diisobutylaluminum hydride and the mechanism of the Tishchenko reaction p. 561.
- Shostakovskii, M. T., and others - Reaction of some vinylacetylene and 2,4-diene organometallic compounds with hexachlorocyclopentadiene p. 567.
- Zaputnina, K. V., and others - Synthesis and infrared spectra of complexes of tin chloride with vinyl and ethyl esters of β -aminophenols p. 571.
- Tranov, B. V., Zhelnov, A. A., Cavrillia, G. F. - Complex compounds of bismuth salts with some amino derivatives of carboxylic acids p. 576.
- Shelukina, L. A., Suvorov, N. N., Neklyudov, A. D. - Amino acid and peptide derivatives of the indole series. Part 2: Synthesis and properties of 5-methoxytryptamine analogs p. 578.
- Martynov, V. T., and others - Synthesis of certain peptides relating to oxytocin with the use of α -nitrophenylsulfonyl protection p. 583.
- Mukhina, M. V., Khaletskii, A. M. - Synthesis of some steroid derivatives of saccolystine p. 587.
- Volovelskii, L. N. - Synthesis of derivatives of the androstane series. Part 13: Hydroxones of $\Delta^1,4$ -17 α -methyl-17 β -androstadien-3-one, $\Delta^1,4$ -androsta-3,17-dienedione, its 16-hydroxyvinylene and 16-methyl derivatives p. 590.
- Godina, D. A., Faerman, G. P. - Absorption spectra of aqueous solutions of iodine compounds with polyvinyl alcohol p. 597.
- Ginsburg, V. A., and others - Transfer of electrons in reactions of nitroso compounds. Part 3: Ion radical derivatives of nitroso compounds p. 601.
- Ginsburg, V. A., and others - Electron transfer in reactions of nitroso compounds. Part 4: Donor-acceptor associates of bisfluoromethanone with amines p. 611.
- Ginsburg, V. A., and others - Electron transfer in reactions of nitroso compounds. Part 5: Reactions of trifluoromethanesulfonamide with reducing agents p. 620.
- Fokin, A. V., and others - Nitration of 1,4,4,4-tetrafluorobutadiene by nitrogen dioxide p. 633.
- Makarova, A. N., Berlin, A. I. - Di(2-chloroethyl) amino-p-benzquinones and their derivatives p. 637.
- Kulnevich, A. M., and others - Hydroxamides and stable trichloroethylene complexes of 2-methyl-4-amino-5-bromomethylpyrimidine p. 642.
- Ernakova, M. I., Vorontsova, L. N., Latosh, N. I. - Synthesis of formazans with salt-forming groups. Part 8: Cyanoformazans with arseno groups p. 649.
- Shulkin, G. G., Stepanov, B. I. - Spectral examination of some substituted 2-hydroxyazobenzene and their inner-complex compounds with copper, nickel, and cobalt p. 653.
- Akhimov, V. K., and others - Structure of antipyrine compounds and some of its derivatives with metals p. 658.
- Dokumskikh, N. S., Satov, B. V., Plektsova, S. A. - Anthraquinone derivatives. Part 14: 6,7-Difluoroquinizarin and its derivatives p. 663.
- Lavchenko, N. F., Afanasyadi, L. Sh., Bezuglyi, V. D. - Effect of the nature of radicals bound to azomethine group on its polarographic activity p. 666.
- Kholodov, L. E., Iashinskii, V. G. - Mechanism of splitting of 3-arylsulfonyl imines in hydrochloric acid p. 670.
- Razuvaev, G. A., and others - Interaction of cobaltocene with iron and nickel carbonyls p. 672.
- Talimov, G. P., and others - Fluorine-containing polyhalogenated phenols p. 674.
- Konarov, V. A., and others - Reactivity of some difluoronitro group-containing alcohols p. 684.
- Kharasova, F. M., and others - Action of carbon tetrachloride and chloral on alkyl esters of di- β -chlorophenylphosphinous acid p. 687.
- Nuridinov, S. Kh., and others - Reaction of the diethylchlorophosphine with derivatives of dimethylacrylic acid and mesityl oxide p. 692.
- TSvetkov, E. N., Malovanina, R. A., Kabachnik, M. I. - Synthesis of phosphinylacetic acids p. 695.
- Pudovik, A. N., Aladzheva, I. M., Spirina, L. V. - Synthesis and thermal rearrangement of allyl esters of phosphinic acids p. 700.
- Pudovik, A. N., and others - Reaction of dialkylphosphorous and acetic acid anhydrides with mono- and dichloroacetic aldehydes p. 708.
- Khalullin, V. K., Sobchik, T. I., Pudovik, A. N. - Methylchlorophosphine reaction with acrylic acid p. 710.
- Abramov, V. S., Barabanov, V. I., Long, L. I. - Reaction of phosphinous acids with aldehydes and ketones. Part 32: Esters of α -hydroxy- α -diethoxyphosphonethylbutylphosphinous and α -hydroxy- α -alkoxyphosphonopropionic acids p. 714.
- Abramov, V. S., Druzhina, Z. S. - Rearrangement of ester anilides of phosphorous acids in reactions with carbonyl compounds. Part 8: Action of α -halocarbonyl compounds on dialkylamides of glycol phosphorous acid p. 718.
- Poropova, V. F., Saikina, M. K., Aleshov, R. Sh. - Stability of mercury complex compounds with some sulfur-containing derivatives of phosphorus p. 725.
- Nesterov, L. V., Kessel', A. I. - New method of production of alkyl trialkoxy phosphonium borofluoride and the experimental confirmation of the possibility of chain mechanism in Arbuzov's reaction p. 720.
- Sabirova, R. A., Nesterov, L. V. - Derivatives of phosphorous acid. Part 6: Mixed cyclic anilides of substituted α -carboxyphenylphosphorous acid p. 732.
- Pelevov, F. I. A., Bogatkin, R. A. - Effect of silicon atom on the cyclization capacity of organosilicon acetylenic amino alcohols p. 734.
- Sullivan, R. A., Gasanova, F. A., Sadykh-zade, S. I. - Synthesis of silicon-containing epoxyaminopropionitriles p. 739.
- *ZHURNAL ORGANICHESKOI KHIMII [JOURNAL OF ORGANIC CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 3, May 1967.
- Table of contents translated
- Shostakovskii, M. F., Atavin, A. S., Egozov, N. V. - Synthesis of acetylenic amino alcohols p. 129.
- Babalin, A. T., Chukladzhan, E. O., Rashmadzhan, K. A. - Amines and ammonium compounds. Part 47 p. 432.
- Vil'dzinskaya, A. I., Rall', K. B., Petrov, A. A. - Course of the reactions of electrophilic and nucleophilic additions to nitroalkenes and nitroalkynes p. 434.
- Kraevskii, A. A., and others - Macrocyclic compounds. Part 8: Synthesis of octadecyl (stearic) and hexadecyl (palmitic) acids p. 441.
- Kulnevich, A. M., Tishchenko, D. V. - Chlorination products of 1,1,2,3-tetrachloro-2,4-cyclohexadiene. Part 2: Chlorination of 1,1,2,3-tetrachloro-2,4-cyclohexadiene p. 444.
- Teren'ev, V. A., Markevich, V. S., Shilvel', N. E. - Spectrophotometric study of the kinetics of hydration of cinnamaldehyde and its condensation with acetone p. 452.
- Gragerov, I. P., Ponomarev, M. P. - Free radical mechanism of oxidation of hydrocarbons by chromyl chloride p. 458.
- Vononkov, M. G., Legzdyn', A. I. A. - Reaction of sulfur with organic compounds. Part II: Reaction of sulfur with aliphatic mono- and diamines in aqueous medium p. 465.
- Iasinskii, B. G., Kovalenko, G. I., Dol'berg, E. B. - Oxidation of chloroethylenes. Part 4: Regularities in the formation and isomerization of dichloroethylene oxide in the process of trichloroethylene oxidation p. 470.
- Ponomarev, T. G., Kopteva, N. I. - Asymmetrical organic α -oxides. Part 27: Alkylation of α -aceto- β -alkoxy- γ -valerolactones p. 477.
- Ivanova, Zh., and others - Derivatives of N-acylimino-carbonic acids. Part 2 p. 480.
- Mal'tsev, V. I. - Photolysis of hydrogen peroxide solution in acetone at 77°K p. 486.
- Shokhr, I. N., and others - Anions of dimethylsulfoxide compounds. Part 2: Infrared spectra of alkali salts of tri- and dimethylmethane and methyl dinitroacetate p. 488.
- Bilman, G. L., and others - Formation of fulvene in the oxidation of alkali metal cyclopentadienylides p. 495.
- Nikol'skaya, G. S., Troshchenko, A. T. - Addition of 0-diazofluorene to unsaturated compounds. Part I: Condensation of 0-diazofluorene with vinylacetylene p. 498.
- Troshchenko, A. T., Lobanova, T. P. - Oximes of 2- and 4-phenylxanthenes and their Beckmann rearrangement p. 501.
- Zhurina, F. G., Vul'son, N. S. - Reaction of biomo-cyanocetic ester with aromatic aldehydes under conditions of Reformatskii and Wittig reaction. Part 3 p. 504.
- Mushkin, I. I., Finkel'shteyn, A. I. - Transformations of cyanoguanurea in alkaline and acid solutions. 1,3-Dicarbamidoguanidine p. 507.
- Eishov, V. V., Belostotskaya, I. S., Volod'kina, V. I. - Formation of cyclohexadecanones in the intramolecular alkylation in the series of sterically hindered phenols p. 511.
- Mil'vitskaya, E. M., Plate, A. F., Tarakanova, A. V. - Addition of dichlorocarbene to 2-methylbicyclo [2,2,1]-5-heptene p. 515.
- Mazitova, F. N., and others - Chlorination of 2-nitro-4-tert-butylphenol p. 520.
- Ereshov, B. A., and others - Isomeric transformations of epoxy compounds with mobile hydrogen atoms in carbon side chain. Part II: Structure of the products of reaction of Na derivatives of acetophenone and methyl benzyl ketone with 1-bromo-3-methyl-2,3-epoxybutane p. 524.
- Stepanov, F. N., Myrskina, R. A. - Adamantane and its derivatives. Part 12: Synthesis of analogs of geraniol (nerol) and geranic acid p. 530.
- Stepanov, F. N., Danilenko, G. I. - Adamantane and its derivatives. Part 13: Acyloin condensation of ethyl ester of adamantyl-3-acetic acid p. 533.
- Ioffe, D. V. - Reducing metalation of carbonyl compounds. Part 5: Synthesis and decomposition of 1,1-diphenylethane-1,2-diol p. 535.
- Beidinskii, I. S., Mal'tseva, V. A. - Substituted hydrazides of oxycarboxylic acids. Part 36: 2,3-dimethylphenylhydrazides of diethyl- and dialkylglycolic acids p. 538.
- Gaff, S. I., and others - Some derivatives of β -hydroxyisopropionic acid p. 542.
- Gragerov, I. P., Levit, A. P. - Studying the mechanism of homolytic reactions in solution by isotopic and mass spectrometric methods. Part II: Thermal decomposition of phenylazobiphenylmethane and nitroacetanilide p. 540.
- Dzyrd, V. N., Shelchenko, V. I. - Mechanism of Smiles rearrangement of α -methylalkyl sulfones rearrangement of dimethyl sulfone p. 554.
- Matvosian, R. O., El'chinov, D. P. - Chemistry of free radicals of the hydrazine series. Part 45: Hydrazyl biradicals containing thiazole residues p. 561.
- El'chinov, D. P., Matvosian, R. O., Smirnova, V. V. - Chemistry of free radicals of the hydrazine series. Part 46: Hydrazyl heterocyclic biradicals p. 564.
- Zagorovskii, V. A., and others - Pyran, its analogs, and related compounds. Part 25: Reaction of bi-mocummarin with amines p. 568.
- Kul'vitskii, G. M., Zhos, L. S. - Heterocyclic derivatives based on substituted 1,4-naphthoquinone. Part 7: Chlorination of 1-methyl-2,3,4-trimethyl-1,4-naphthoquinone p. 575.
- Likhontov, L. N., and others - Derivatives of 7-nazindole p. 58

1. A. A. V. - Synthesis and transformation of... p. 673.
2. A. A. V. - Synthesis and transformation of... p. 681.
3. A. A. V. - Synthesis and transformation of... p. 681.
4. A. A. V. - Synthesis and transformation of... p. 681.
5. A. A. V. - Synthesis and transformation of... p. 681.
6. A. A. V. - Synthesis and transformation of... p. 681.
7. A. A. V. - Synthesis and transformation of... p. 681.
8. A. A. V. - Synthesis and transformation of... p. 681.
9. A. A. V. - Synthesis and transformation of... p. 681.
10. A. A. V. - Synthesis and transformation of... p. 681.

11. A. A. V. - Synthesis and transformation of... p. 681.
12. A. A. V. - Synthesis and transformation of... p. 681.
13. A. A. V. - Synthesis and transformation of... p. 681.
14. A. A. V. - Synthesis and transformation of... p. 681.
15. A. A. V. - Synthesis and transformation of... p. 681.
16. A. A. V. - Synthesis and transformation of... p. 681.
17. A. A. V. - Synthesis and transformation of... p. 681.
18. A. A. V. - Synthesis and transformation of... p. 681.
19. A. A. V. - Synthesis and transformation of... p. 681.
20. A. A. V. - Synthesis and transformation of... p. 681.

21. A. A. V. - Synthesis and transformation of... p. 681.
22. A. A. V. - Synthesis and transformation of... p. 681.
23. A. A. V. - Synthesis and transformation of... p. 681.
24. A. A. V. - Synthesis and transformation of... p. 681.
25. A. A. V. - Synthesis and transformation of... p. 681.
26. A. A. V. - Synthesis and transformation of... p. 681.
27. A. A. V. - Synthesis and transformation of... p. 681.
28. A. A. V. - Synthesis and transformation of... p. 681.
29. A. A. V. - Synthesis and transformation of... p. 681.
30. A. A. V. - Synthesis and transformation of... p. 681.

MATHEMATICS

AKADEMIYA NAUK SSSR Vychislitel'nyi tsentr. Nomo-
graficheskii sbornik [ACADEMY OF SCIENCES OF
THE U.S.S.R. Computation Center. Nomographic
Papers] Moscow, no. 4, 1987.

Table of contents translated
Glasov, A. A., and others - First conference on
nomography at Leningrad Public Library. p. 7.
Usarov, F. I. - Nomographic technique. p. 8.
Pudilovskii, G. N. - Nomogram for a system of two
Cauchy-type equations with a common curvilinear
scale. p. 20.
Khrislov, K. - Ruler with two slides for
solving a problem in underground explosion tech-
nique. p. 30.
Aruchip, B. D. - Three-dimensional transformation
of composite grid nomographs for equations of the
type $t_1 + t_2 + t_3 + \dots + t_n = 0$. p. 33.
Laptev, D. G. - Comparison of methods for nomog-
raphing the equation $t_1 + t_2 + t_3 + t_4 + t_5 + t_6 = 0$.
p. 51.
Chirbadzhev, D. P. - Foundations of the method of
basic nomograms. p. 65.
Chirbadzhev, D. P. - Nomographic method for deter-
mining the parameters of the formula for water flow
in rivers $Q = a(b + H)^m$. p. 76.

Glokhikh, A. I. - A class of equations of the 5th nomog-
raphic order. p. 84.
Khovanskii, G. S. - Adjustable nomograms from equi-
distant points. p. 95.
Ishl, E. - Composite nomogram with an oriented trans-
parency and from adjusted points utilizing the con-
cepts of tangency. p. 135.
Nizhniadze, S. R. - Use of nomograms of the second
genre in solving some geometrical problems. p. 147.
Narova, L. G., Khovanskii, G. S. - Construction of an
adjustable nomogram of multiplication with scales
on a circle and on a chord. p. 151.
Narova, L. G., Khovanskii, G. S. - Three-dimensional
nomogram for quadratic interpolation and its planar
interpretation. p. 159.
Kuz'min, E. N. - Equations nomographed in n-dimen-
sional space. p. 168.
Bukhalov, A. M. - Two variants of the elementary
method for two-by-two separation of variables in
equations with four variables. p. 171.
Smirnov, S. V., Potapov, M. K. - Uniform approxima-
tions and best construction of nomograph scales.
p. 179.
Smirnov, S. V., Khovanskii, G. S. - Comparison of
some methods of approximate nomographing. p. 201.
Dudakov, B. P. - Reducing equations with four variables
to some canonical forms. p. 220.

*DIFFERENTIAL'NYE URAVNENIYA (DIFFERENTIAL EQUATIONS). Minsk, vol. 3, no. 3, Mar. 1987

Table of contents translated
Nemytskii, V. V. - Topological classification of
singular points and generalized Chapman functions.
p. 359.
Barbasov, E. A., Tabueva, V. A. - A class of
motions of a pendulum in a high-resistance
medium. p. 371.
Boltinskii, V. G., Nasiridinov, G. - Synthesis of
optimal controls in nonlinear oscillatory systems
of the second order. p. 389.
Mitrosov, V. M. - Differential equations and inequalities
with discontinuous right-hand parts. p. 395.
Fredholm integral equations of the first kind. p. 410.
Lebedev, N. N. - Decomposition of an arbitrary
function into an integral over squares of Legendre's
functions with complex marks. p. 422.
Kirillova, F. M., Churakova, S. V. - Controllability
of linear systems with after-effect. p. 436.
Hong Hui Du'ng. - Theory of characteristics
vectors and its application in studying the
asymptotic behavior of solutions to differential
systems. p. 446.
Iablonskii, A. I. - Systems of differential equations
with fixed critical singular points. p. 468.
Sholokhovskii, F. A. - Controllability in Hilbert space.
p. 479.
Grudo, E. I. - A system of elliptic partial differential
equations with a singular point at the origin of the
coordinates. p. 485.
Ter-Krikorov, A. M., Tienoghi, V. A. - Long-wave
type solutions for quasi-linear elliptic equations
in the infinite band. p. 496.
Gekhtman, M. M. - Complex eigenvalues of a non-
self-adjoint operator. p. 509.
Myshkis, A. D., Reizin, L. E. - Example of a
complex point of rest. p. 514.
Lukashovich, N. A., Iablonskii, A. I. - A class of
solutions to Painlevé's sixth equation. p. 520.
Peirov, A. I. - Bounded solutions to second-order
differential equations. p. 524.

*KIBERNETIKA (CYBERNETICS). Organ of Otdeleniye matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainskoi SSR [Department of Mathematics, Mech- anics and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.] Kiev, no. 2, Mar.-Apr. 1987.

Table of contents translated:
Buslenko, N. P., Kalashnikov, V. V. - Stability of
operation of complex systems. p. 1.
Korshunov, A. D. - Asymptotic estimation of the num-
ber of finite automata. p. 12.
Polakov, E. A. - Some properties of the algebra of
general recursive functions. p. 20.
Nasibullin, Kh. Kh. - Some basis of J. Robinson's
algebra. p. 24.
Shukurlan, I. U. G. - Optimization of automata with
concluding state without cycles. p. 27.
D'achenko, V. F. - One prospect for simplifying the
matrix schemes of algorithms. p. 36.
Ryachev, V. L., Shikharov, L. I. - Some functionally
closed classes in functions of K-valued logic.
p. 42.
Gladun, V. P., Kobtsova, S. A. - Methods for per-
forming tag inversions in a random access memory.
p. 45.
Mazurov, V. D. - Construction of a finite set of vectors
of convex simultaneous inequalities. p. 56.
Smirnov, A. N. - Problem in uniform loading. p. 60.
Shkurba, V. V. - Ordering problems. p. 63.
Romanovskii, I. V. - Optimization of stationary con-
trol of a discrete deterministic process. p. 66.
Shirayev, A. N. - Two problems in sequential analysis.
p. 79.
Arkhi, V. I. - Infinite-dimension analog of problems
of nonconvex programming. p. 87.

Kirkilis, Z. A., Ilisko, A. A. - Pattern recognition in
annotated index of literature. p. 94.
Dzhordzhevich, L. - Logical synthesis of a ternary
adder. p. 102.

MATEMATIKA JA KAASAO [MATHEMATICS AND THE PRESENT]. Issued by Taitu Riiklik Ülikool [Taitu State University]. Tallinn, no. 8, 1985. [In Estonian]

*PRIKLADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdeleniye tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 2, Mar.-Apr. 1987.

Table of contents translated:
Ginsberg, G. A. - A feasible method of approach to
problems in the theory of thermal conductivity
and diffusion, wave equations, and fluid prob-
lems involving movable boundaries, as well as
certain other uses of this method. p. 183.
Halech, V. M., Kuvshinov, T. S. - Propagation of
oscillations of the type of a wave film of quantized
fields. p. 204.
Makolov, L. A. - Oscillations of a homogeneous field
in half-space under the action of a source together
with a uniformly expanding circle. p. 211.
Aleksandrov, A. G. - Rayleigh waves in an inhomogeneous
half-space of the waveguide type. p. 222.
Vorovich, I. I., Malkina, O. S. - Stressed state of a
thick shell. p. 230.
Nagaev, R. F. - Regular pulsed motions in a one-di-
mensional system. p. 242.
Pham Nguyen. - Equations describing the motions of
nonholonomic mechanical systems in Poisson's
Chetaev variables. p. 253.
Rumyantsev, V. V. - Stability of motion of nonhomo-
geneous systems. p. 260.
Udovitch, V. I. - Stability of convex motion curves.
p. 272.
Falkovich, S. V. - Propagation of a twisted liquid jet
in an infinite area flooded by the same liquid.
p. 282.
Gorodkov, V. A., Leonov, A. I. - Linear instability
of a plane-parallel Couette flow of viscous fluids.
p. 289.
Nemchinov, I. V. - Steady-state motion of the capers
of a substance heated by radiation in the case of
lateral spreading. p. 300.
Pedi, V. N., Shmolenko, I. N. - Steady-state problem
of heat conductivity in a layer with heat transfer
conditions at the boundary. p. 320.
Popov, E. B. - Dynamic coupled problem of flexural
elasticity for a half-space allowing for the finite-
ness of the heat distribution velocity. p. 328.
Kostrov, R. V., Nikulina, L. V. - Crack in a long thin
shift with an infinitely narrow plastic zone. p. 334.
Popov, G. I. A. - Insertion of a stamp into a thin layer
of a mobile media allowing for friction. p. 344.
Samko, S. G. - Reducibility of some first-order inte-
gral equations in the theory of elasticity and hydro-
dynamics to second-order equations. p. 344.
Ivlev, D. D. - The dissipative function in the theory of
hardening plastic media. p. 348.
Rudakov, R. N. - Perturbation spectrum and the stability
of convective motion between vertical plates.
p. 348.
Regier, S. A. - Magneto-hydrodynamic flow in tubes
in the case of a longitudinal electric current. p. 354.
Proskuriakov, A. P. - A class of minimum problems
with differential connections. p. 363.
Proskuriakov, A. P. - Periodic solutions to quantized
nonautonomous systems with a simple dependence
on particular cases. p. 365.
Dolovik, I. M. - Applicability of the method of an ex-
cited fields to nonlinear systems. p. 372.
Dobolavitskii, A. A. - Properties of possible trans-
formations for theorems on the interaction of the
pairs of a mechanical system. p. 379.
Vozlinskii, V. I. - Relation between the bifurcation of
equilibria of conservative systems and the stability
distribution of an equilibrium curve. p. 384.

REFERATIVNYI ZHURNAL' MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Vsesoyuznyi Institut matematicheskoi informatsii [All-Union Institute of Scientific and Technical Infor- mation] and others. Moscow, no. 5, May 1987.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Invenitsiya vsa- shikh uchebnykh zavodov i tekhnicheskoi informatsii [Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mathematics]. Moscow, no. 4(50), Apr. 1987.

Table of contents translated:
Alekseandrov, I. I. - Heilinger's abstract integral. p. 3.
Berkovich, F. D. - Qualitative study of some integral
equations on a semiaxis. p. 13.
Bredikhina, E. A. - Estimation of sequential integrals
of periodic functions. p. 19.

- Vagner, V. V. - Theory of regular binary relations between elements of partial algebras, p. 26.
- Vokhrov, V. R. - Positive and monotone solutions to Volterra integral equations, p. 40.
- Granovskii, B. L. - A problem arising in the theory of optimal planning of regression experiments, p. 47.
- Maizelov, I. U. S. - A formula of generalized resolvents of an isometric operator, p. 54.
- Marmarshtein, I. I. - Stability of solutions to systems of linear equations in partial differences, p. 60.
- Novikov, I. D. - Spectra of quadratic operators of secondary quantization, p. 61.
- Rafovshchik, L. S. - On a class of integral operators, p. 69.
- Salakhiev, G. G. - Boundary value problem for the quasi-linear equation of Lavrent'ev-Bitsadze, p. 81.
- Slonovskii, N. V. - A method of deriving inequalities and its application to Bessel's functions, p. 93.
- Sosunov, A. S. - Regularization of singular integral equations with a shift obeying a generalization of Carleman's condition, p. 103.
- Usol'tsev, L. P. - Limit theorems on the uniform distribution of some sequences, p. 112.
- Laroshchev, G. O. - Equations describing vibrations with even nonlinearities, p. 122.
- Laptev, B. - Boris Mikhailovich Gagarin, on his 70th birthday, p. 127.
- SVERDLOVSK. URAL'SKII GOSUDARSTVENNYI UNIVERSITET. Ural'skoe matematicheskoe obshchestvo. Matematicheskie zapiski [URAL STATE UNIVERSITY. Ural Mathematical Society. Mathematical Annals].** vol. 5, no. 2, 1965.
- Table of contents translated.
- Baranovskii, V. P. - Method for stabilizing a control system of the third order, p. 3.
- Vernikov, M. B. - A two-dimensional surface in four-dimensional affine-symplectic space, p. 10.
- Gur'lanova, K. N. - Method for the analytic continuation of functions of two complex variables, p. 21.
- Kazakova, L. E. - Inverse problem of the metastable potential, p. 27.
- Kazakova, L. E. - Use of analytic functions in calculating the harmonic moments of the perturbing masses, p. 35.
- Kais, I. A. - Inversion of the theorem on asymptotic stability of stochastic systems, p. 43.
- Kogan, D. A. - Some properties of convolutions of infinite matrices, p. 52.
- Kogan, D. A. - Summability of Fourier series by convolutions of infinite matrices, p. 59.
- Kozmanova, A. A., Mesits, A. V. - Set of singularities of metamorphic functions, p. 66.
- Markushin, E. M. - Convergence of exponential series, p. 71.
- Melenkov, A. A. - Theory of the analytic continuation of exponential series by lower triangular matrices, p. 74.
- Mit'shtein, G. N. - Synthesis of linear optimal quick-operation processes in a problem involving a constraint, p. 80.
- Ogarlov, A. I. - New criterion of the stability of solutions of a nonlinear differential equation, p. 86.
- Tsot, K. M. - Stability of periodic motions of quasi-linear autonomous systems with delayed argument, p. 90.
- TARTU. ULIKOOL. Vychislitel'nyi tsentr. Trudy [UNIVERSITY. Computation Center. Transactions].** Nos. 7-9, 1966.
- TEORIYA FUNKTSII, FUNKTSIONAL'NYI ANALIZ I KH PRILozHENIYA [THEORY OF FUNCTIONS, FUNCTIONAL ANALYSIS, AND THEIR APPLICATIONS].** Kharkov, no. 3, 1966.
- Table of contents translated.
- Katsnel'son, V. E., Matsnev, V. I. - Spectral sets of operators in Banach space and estimates of functions of finite-dimensional operators, p. 3.
- Belitskii, G. R. - Operator minors of a matrix norm, p. 11.
- Lubich, I. U. I. - Formation of a semigroup of operators with a prescribed norm, p. 21.
- Glazman, I. M., Senchuk, I. U. F. - Minimization of quasi-quadratic functionals in Hilbert space, p. 26.
- Rybalko, A. M. - Theory of continuous analogs of orthogonal polynomials, p. 42.
- Fil'shtinski, V. A. - The problem of G. Szegő's polynomials, p. 61.
- Shekhtina, V. A. - Removal of divergences from a series for the scattering matrix in quantum field theory, p. 73.
- Landkof, N. S., Tam Bak, N. T. - A theorem of V. Rudin, p. 81.
- Davydov, N. A. - Generalization of the Mercer theorem of Knopp - Bellinante, p. 88.
- Davydov, N. A. - Extension of a Mazur - Orlicz theorem on regular matrix transformations to regular integral transformations, p. 90.
- Myshkis, A. D., Myshkis, P. A. - Equivalence of methods of improper integration, p. 95.
- Krichevskii, I. A. - Accumulation of perturbations in linear systems, p. 99.
- Svachek, B. I. A. - Asymptotic distribution of eigenvalues of singular differential operators, p. 110.
- Grinberg, S. I. - Some asymptotic formulae for spectra of the first and third boundary value problems, p. 117.
- Suzlov, G. V. - Third boundary value problem in domains with a complex boundary, p. 135.
- Babich, V. M. - Analytic continuation of the resolvent of external problems for the Laplace operator onto the second sheet, p. 151.
- Marchenko, V. A., Maslov, K. V. - Short-wave approximation in the problem concerning diffraction on a plane screen, p. 158.
- Liubarskii, G. I. A. - Parabolic-type equation with rapidly alternating coefficients, p. 183.
- Liubarskii, G. I. A., Rabotnikov, I. U. L. - Linear oscillator with randomly varying rigidity, p. 204.
- Flekser, M. Sh. - Chain connection of open systems with respect to communication channels, p. 209.
- Slivinskii, I. M., Flekser, M. Sh. - Steady-state probabilities in piecewise stable stochastic processes, p. 219.
- *USPEKHI MATEMATICHESKIIH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES].** Issued by Akademii nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 22, no. 2(134), Mar.-Apr. 1967.
- Table of contents translated.
- Sigalov, A. G. - Fundamental mathematical problem in the theory of atomic spectra, p. 3.
- Myshkis, A. D., Ef'govits, L. F. - Recent state and problems of the theory of differential equations with delayed argument, p. 21.
- Kupchuk, V. D. - Approximate solution of problems in mathematical physics, p. 39.
- Gaposhkin, V. F. - Absolute bases in Orlicz spaces, p. 113.
- Schulevskii, P. L. - On q -numbers in integral operators, p. 114.
- Kaylov, N. V. - Green's functions in the Dirichlet problem, p. 116.
- Dorovkov, V. A. - Uniqueness theorem for a parabolic system of equations, p. 118.
- Efimov, A. V. - Summation of orthogonal series by linear methods, p. 119.
- Nikishin, E. M. - Some properties of general functional series, p. 121.
- Beizanskii, I. A. - Measures on uniform spaces, p. 123.
- Molchanov, S. A. - Limit theorem for determining the relationship between transient probabilities of Markov chains, p. 124.
- Molchanov, S. A. - Martin boundary of the direct product of Markov processes, p. 125.
- Mukhamadiev, L. - Theory of periodic perfectly continuous vector fields, p. 127.
- Fadeeva, E. A. - Cauchy problem for a linear hyperbolic equation of the first order with operator coefficients, p. 128.
- Babuev, A. Kh. - Approximation of functions with a given continuity modulus by polynomial sums of Fourier - Laguerre series, p. 130.
- Aleksandrov, P. S., Il'in, V. A. - Andrei Nikolaevich Tikhonov, on his 60th birthday, p. 133.
- Aleksandrov, P. S., Poina, S. V. - A. N. Tikhonov's studies on topology and functional analysis, p. 134.
- Dmitriev, V. I., Sveshnikov, A. G. - A. N. Tikhonov's studies on mathematical physics, p. 138.
- Vasil'eva, A. B., Volosov, V. M. - A. N. Tikhonov's and his followers' studies on ordinary differential equations containing a small parameter, p. 149.
- Il'in, V. A. - A. N. Tikhonov's studies on methods of solving incorrectly formulated problems, p. 160.
- Sannitskii, A. A. - A. N. Tikhonov's studies on computing mathematics, p. 176.
- Mat'nev, A. I., and others. - Sergei Antonovich Chumikhin, on his 60th birthday, p. 189.
- Lisitsenik, L. A. - Early period of the Moscow School of Mathematics, p. 199.
- Nevanlinna, R. - Reform in the teaching of mathematics, p. 241.
- VYCHISLITEL'NYE SISTEMY [COMPUTER SYSTEMS].** Issued by Institut matematiki Sibirskogo otdelenia Akademii nauk SSSR [Institute of Mathematics of the Siberian Department of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 25, 1966.
- Table of contents translated.
- Ilovskii, I. V., Sidisyl, B. A., Fel, I. A. I. - Algorithm for the synthesis of discrete computer systems, p. 3.
- Turula, E. N. - Use of structural redundancy for increasing the reliability of computers, p. 19.
- Olefir, A. K. - Diagnostics of digital devices operating with malfunctions, p. 31.
- Utkin, A. A. - Simulation of discrete automata using electronic digital computers, p. 45.
- Olefir, A. K. - Simulation of digital systems, p. 75.
- Zakavskii, A. D. - Supplementary operations of the first order for LISPAS language, p. 85.
- Tovshstein, M. I. A. - Instructions for LISPAS programming system, p. 87.
- Tovshstein, M. I. A. - Programming system LISPAS for the M-20 computer, p. 117.
- *ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of U.S.S.R.]. Moscow, vol. 7, no. 2, Mar.-Apr. 1967.
- Table of contents translated.
- Lapshin, E. A. - Statistical study of rounding off in numerical integration using a fixed-point code, p. 213.
- Vapnarskii, I. B. - Theorem of the existence of a local control in Bolza's problem some of its applications, and the necessary optimality conditions of gliding and particular regimes, p. 259.
- Monastyrnyi, P. I. - Reduction of a multipoint problem for a system of differential equations in C_1 problems using the method of orthogonal transformations, p. 264.
- Dryla, M. - Schemes with splitting operators and stability in W_2^2 , p. 296.
- Enal'skii, V. A. - Characteristics of a certain iterative process, p. 303.
- Andreev, V. D. - Difference schemes with splitting operators for general n -dimensional second-order parabolic equations with mixed derivatives, p. 322.
- Grifand, I. M., and others. - Theory of nonlinear oscillations of an electron plasma, p. 322.
- Ishedev, N. N., Skalskii, I. P. - Diffraction of light on a thin hyperboloidal segment, p. 340.
- Nguyen-Lam - Numerical methods for solution of problems in the theory of the motion of a heavy liquid, p. 357.
- Il'in, V. A. - Synthesis of the trajectories of a circ range flight around the moon with re-entry into earth's atmosphere, p. 367.
- Voditserskii, G. P. - Calculation of superconducting and normal nonsymmetrical bodies, p. 398.
- Iskhodzha, V. N. - Some extremum problems for norms, p. 401.
- Vorob'ev, A. P., Medvedev, G. S. - Inversion of matrices of a spectral type, p. 401.
- Zhelezov, V. I. - Formula for calculating the first 63 functions of Lame, p. 409.
- Shaplin, A. P. - Closing up of two computing algorithms based on the idea of orthogonalization, p. 418.
- Tikhonov, A. N., Galkin, V. I. A., Zalkin, P. N. - Exact methods for solving optimum control problems, p. 418.
- Kagan, T. I. - High-order iterative processes, p. 418.
- Shaflov, R. A. - Some iterative methods of solution of nonlinear equations with nondifferentiable operators, p. 425.
- Iakovlev, M. N. - Minimization algorithm for strict convex functionals, p. 429.
- Stol'mashuk, N. T. - Use of P -monogenic functions in studying a Maxwell system, p. 431.
- Isaev, V. B., Aldonov, V. I. - Phase method of determining the eigenvalues for a Schrödinger equation, p. 436.
- Kukhlinov, A. S. - Singularities arising in solution to the problem of nonsteady-state percolation, p. 440.
- Pozupukhov, V. A. - Aerodynamic characteristics of a sphere and a blunt cone in a flow of a chiral medium gas, p. 444.
- Kalandadze, A. I. - Numerical solution of two-dimensional problems in the theory of elasticity, p. 45.
- Pozharov, A. P. - Some problems affecting the determination of time characteristics in graphic planning with random estimates of the duration of the operations, p. 460.

FIZIKA I TEKHNIKA POLUPROVODNIKOV [TECHNICAL PHYSICS OF SEMICONDUCTORS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.1, no.1, Jan 1967.

Table of contents translated.

- no.2, Feb.1987,
Table of contents translated:
kov, A.S., Galayanov, V.V. - Recombination
processes in p-InSb. p.163.

Baryshev, N.S., Shivel'man, K.IA. - *Perovskite*
processes in single crystals of lead sulfate group
compounds, p.172.

Baranskii, P. I., Dakhovskii, I. V., Kurilo, P. M. -
Studying the field and concentration dependence of
Hall coefficient in a germanium-silicon alloy

- | | |
|---|--|
| 10.3, Mar. 1967. | |
| Table of contents translated: | |
| Nov. A. I. - Density of fluctuation levels in amor- | |
| phous semiconductors, p. 317. | |
| Nov. A. I., Dobrynin. S. N. - Use of damped str- | |

AKADEMIYA NAUK UZBEKSSR, Tashkent, Izvestiya
Sovetskoy matematicheskoy shkoly [ACADEMY OF
SCIENCES OF THE UZBEK S.S.R. Bulletin, Series
in Mathematical Sciences] Tashkent,
11, no. 2, 197

translated

- CHEKHOVSKIY OVATSKII FIZICHESKII ZHURNAL, CZECHOSLOVAK JOURNAL OF PHYSICS Issued by Chekhovskaya akademika nauk [Czechoslovak Academy of Sciences], Prague, vol 17, no. 5, 1967.

FESTI NSV TPAUSTE AKADEEMIA. Fuusika ja Astro-
noomia Instituut, Uurimused, Trudy Instituta Fiziki i
astronomii Akademii nauk Estonskoi SSR [ACADEMY
OF SCIENCES OF THE ESTONIAN S S R Institute
of Physics and Astronomy. Transactions]. Tartu,
no 34, 1986.

- Georgobiani, A. N., Stehlin, V. I. - Electric and photoelectric properties of p-n junctions with zinc sulfide as a support. p. 323.
- Vasil'eva, M. A., Vobob'ev, L. E., Stafeev, V. I. - Effect of the wa m-up of holes in a strong electric field on the optical transparency of germanium. p. 333.
- Kornilov, B. V., Anfimov, A. V. - Nonlinear effects in zinc-compensated n-silicon. p. 340.
- Luk'anchikova, N. B., Sheinkman, M. K. - Threshold sensitivity of CdS photoresistances. p. 345.
- Bortnik, M. V., Tkachev, V. D., Iukhovich, A. V. - Radiation recombination on the radiative structure disturbances in silicon. p. 353.
- Lugavov, P. F., Tkachev, V. D. - Studying the optical extinguishing of the photoconductivity in silicon containing radiative disturbances. p. 359.
- Konova, E. A., Shevchenko, S. A. - Studying the mobility of current carriers in diamonds. p. 364.
- Gavrilov, V. S., Novikov, B. V., Shekhtman, R. I. - Studying the electron paramagnetic resonance, luminescence, and photoconductivity of zinc sulfide crystals. p. 371.
- Domnitskiy, D. S., Tkachev, V. D. - Recombination radiation from GaAs due to excitation by fast electrons. p. 377.
- Belle, M. L., Piskof'eva, N. K., Reifman, M. B. - Production and optical properties of cubic silicon carbide (β -SiC). p. 383.
- Chernyshev, G. G., Serdyuk, V. V. - Conditions for the formation of negative photoconductivity in cadmium selenide single crystals. p. 389.
- Mosinov, O. - Effect of the concentration gradient of current carriers in InSb on the field dependence of the magnetoresistance and of the Hall effect. p. 394.
- Volkov, A. A., Subashiev, V. K. - Fundamental absorption edge of silicon heavily doped with donor and acceptor impurities. p. 397.
- Godlik, E. E., Pokrovskiy, I. A. - Photoelectric properties of gallium-doped silicon. p. 405.
- Levitas, L. S., Pozela, J., Fikhsman, R. F. - Effect of a strong electric field on the photoconductivity of a p-type anisotropic semiconductor. p. 410.
- Kasimov, Z. A. - Possibility of the production of exciton molecules in semiconductors. p. 415.
- Bulgakov, I. V., Kolomenskaya, T. I. - High resistance regions in silicon irradiated by protons. p. 422.
- Kolomiets, B. T., Pavlov, B. V. - Change in the width of the forbidden zone of arsenic chalcogenides in transition from glass to crystal. p. 426.
- Moskalenko, S. A., Shmigliuk, M. I. - Effect of Coulomb long-range interaction on the linear Zeeman effect in dipole-active excitons in cubic crystals. p. 430.
- Alfirov, Zh. I. - Possibility to produce a rectifier on the superhigh current density on the base of p-n-np - n - n⁺ - p - p⁺ - structure with heterojunctions. p. 436.
- Vasil'eva, M. A., and others. - Modulation of light by hot holes in germanium. p. 439.
- Mamedov, K. K., and others. - Heat capacity of gallium selenide and thallium selenide. p. 441.
- Bashilov, R. I., Gadzhilov, R. M. - Quantum oscillations of the Nernst - Ettingshausen effect in n-InSb. p. 442.
- Beshilov, R. I., Gadzhilov, R. M. - Effect of the spin on quantum oscillations of the transverse magnetoresistance in mercury selenide. p. 443.
- Shirahov, I. M., Saitko, O. V., Tlagal, V. A. - Effect of a transverse electric field on the mobility of the photoexcited carriers in CdS single crystals. p. 445.
- Baba, V. P., Jordanishevi, E. K. - Optimization of parameters of the multilayer heterostructures consisting of semiconductors of arbitrary shape. p. 449.
- Varlamov, I. V., Sondaevskiy, I. A., Sondaevskiy, V. P. - Double injection in gold-doped silicon. p. 452.
- Vol. 1, no. 4, Apr. 1987.
- Table of contents translated
- Etesin, V. F. - Theory of oscillations in the photoeffect spectra in semiconductors. p. 473.
- Kal'nin, A. A., and others. - Studying p-n junctions produced on the base of beryllium-doped silicon carbide. p. 484.
- Korotkiy, N. E., Syechnikov, S. V., Chalaia, V. G. - Measuring the temperature dependence of the mobility of carriers produced by X rays in CdS single crystals. p. 488.
- Litovchenko, P. G., Konozonko, I. D., Ust'yanov, V. I. - Effect of temperature on the kinetics of gamma-conductivity of cadmium sulfide. p. 491.
- Komashchenko, V. N., Fedorus, G. A. - Nature of the barrier-layer photoeffect in cadmium selenide. p. 495.
- Shadrachev, E. V., Smirnov, I. A. - Thermal conductivity of tellurium in solid and liquid states. p. 501.
- Mamedova, R. F., Nasledov, D. N., Stobolchikov, S. V. - Recombination radiation of fused GaP p-n junctions. p. 509.
- Proskov, G. P., Shvelkin, V. I. - Micrononuniformities of impurity distribution in heavily doped gallium arsenide. p. 514.
- Abdullayev, G. B., and others. - Origin of the hole conductivity of selenium. p. 519.
- Gluzman, N. G., Tsidil'kovskiy, I. M. - Phonon drag in n-Ge in a quantized longitudinal magnetic field. p. 522.
- Rzhanov, A. V., Svitashov, K. K., Pan'kin, V. G. - Measuring the Hall photoelectromotive force on thin samples of germanium. p. 526.
- Prima, N. A., Tikhov, I. U. A. - Impedance of p-n diode at high injection levels. p. 535.
- Utkin, I. U. A., and others. - Studying the injection electroluminescence of p-n junctions in gallium phosphide. p. 543.
- Gubayov, A. I., Gushchina, N. A. - Calculation of extremely asymmetric p-n-p-n-structure in steady state allowing for the resistance of the spreading of bases. p. 547.
- Lyons, I. V., Mazulye, G. - Effect of interelectronic collisions on the energy relaxation mechanisms of hot electrons in n-InSb and p-Ge at ultrahigh temperatures. p. 556.
- Izvozhikov, B. V., Taksami, I. A. - Photoelectric properties of the layers of systems PbS - MnS and PbSe - MnSe at low dilutions. p. 565.
- Kozlov, S. N., Kiselev, V. F. - Mechanism of the effect of water vapor on long-time processes of the field effect. p. 568.
- Glinchuk, K. D., Denisov, A. D. - Behavior of GaAs in strong electric fields. p. 570.
- Shotov, A. P., Murashov, M. S. - Recombination radiation of heavily doped germanium. p. 573.
- Karimova, I. Z., Sondaevskiy, V. P., Stafeev, V. I. - Negative resistance in p-germanium doped with gold in strong electric fields. p. 587.
- Rogachev, A. A., Ryvkin, S. M. - Modulation effect of the absorption coefficient of heavily doped germanium by an electric field. p. 591.
- Brodin, M. S., and others. - Mechanism of generation of laser radiation in CdS - CdSe-x crystals in the case of two-photon excitation. p. 595.
- Mescheriakov, N. A., Alt, L. I. A., Anufrienko, V. F. - Spectrum of electron paramagnetic resonance centers in silicon dioxide. p. 597.
- Purila, T. - Energy of the ionization threshold of electrons and holes in silicon. p. 599.
- Aravovich, R. M., Piatilskiy, A. I., Karashev, T. B. - Photoelectric properties of mercury-doped germanium. p. 601.
- Bannat, V. F., Gershenson, E. M., Litvak-Gorskaya, L. B. - Hall effect in a pure p-Ge. p. 603.
- Belikova, T. P., Sviridov, E. A. - Characteristics of two-photon excitation of the luminescence of ZnS-Cu. p. 606.
- Dykov, S. B. - Determination of intrinsic conductance in semiconductor compounds. p. 609.
- Pasechnik, I. U. A., Shtko, O. V. - Studying a "flash" of the infrared photoconductivity of silicon in a nonequilibrium field effect. p. 610.
- Gorban, I. S., Marazuev, I. U. A., Suleimanov, I. U. M. - Energy spectrum of acceptors as radiative recombination centers in silicon carbide. p. 612.
- Rombeza, S. I. - Diffusion of gold in indium arsenide. p. 615.
- Burdakov, I. U. M., and others. - Volume electroluminescence of GaAs single crystals. p. 617.
- Nolle, E. L. - Induced radiation through free excitons with the emission of acoustic phonons. p. 620.
- Kastalskiy, A. A., Ryvkin, S. M. - Gunn effect in uniaxially compressed germanium. p. 622.
- *FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS].
Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 9, no. 3, Mar. 1987.
- Table of contents translated:
- Chaplik, A. V. - Superconductivity in the contact region of two media. p. 701.
- Svirina, E. P., Nemchnov, I. U. V. - Hall effect in an Invar alloy at low temperatures. p. 704.
- Samokhvalov, A. A., and others. - Magnetic properties of $\text{Eu}_{1-x}\text{Ca}_x\text{O}$ solid solutions. p. 706.
- Milsek, A. I. - Theory of collective excitations in Holtsberg paramagnets. p. 710.
- Smirnov, L. S., Kachurin, G. A., Gorodetskiy, A. E. - Irradiation of thin layers of CdTe by cadmium ions. p. 718.
- Nakhodkin, N. G., Mel'nik, P. V. - Inelastic scattering of electrons of a given energy in thin gold films. p. 723.
- Kizol', V. A., Kraslov, I. U. I., Shamraev, V. N. - Effects of spatial dispersion in gyrotropic crystals. p. 728.
- Maleev, S. V., Slamenkovich, S. S. - Scattering of slow neutrons on spin waves excited by ferromagnetic resonance. p. 733.
- Aleksandrov, K. S., Teslenko, V. F., Korshakov, B. D. - Calculating the intrinsic temperature of organic crystals from elastic constants. p. 739.
- Petrov, E. G. - Distribution of the magnetic moment density in a ferromagnet near its surface. p. 743.
- Burkhanov, A. M., Grazhdankina, N. P., Fakidov, I. G. - Studying the elastic and compressibility modules of europium in the 70°-295° temperature range. p. 748.
- Fuks, M. A., and others. - X-ray tensoric study of elastic crystal anisotropy in polycrystalline condensed films. p. 751.
- Rozhanskii, V. N., Priedvitelev, A. A., Indenbom, V. L. - Formation of vacancies in the case of atom diffusion in metals through the surface oxide film and the effect of the medium on dislocation structure. p. 757.
- Akkerman, A. F., Andreev, I. U. A., Litov, I. U. G. - Calculating the energy distribution of electrons passing through thin layers of a substance. p. 768.
- Devlatkova, E. D., Tikhonov, V. V. - Thermal conductivity and heat capacity of yttrium-calcium garnets. p. 772.
- Volkova, N. V., and others. - Studying the mechanism of optical disintegration of lithium fluoride single crystals. p. 778.
- Kucherenko, I. V. - Mobility and concentration of carriers in silicon and p-germanium in the case of uniaxial compression and low temperatures. p. 784.
- Peletinskii, S. V., Tshchakia, D. D. - Theory of transport phenomena in conductors in a strong magnetic field. p. 790.
- Zingerman, I. A. P., Ischuk, V. A. - Studying the sorption process of oxygen on faces (100) and (110) of tungsten single crystals by means of electron-stimulated desorption. p. 797.
- Strumina, B. M. - Distribution of internal strains in the case of random arrangement of dislocations. p. 805.
- Antipin, A. A., and others. - Spin-lattice relaxation of neodymium in single crystals of some scheelites. p. 813.
- Gellikman, B. T., Zaitsev, R. O., Kresin, V. Z. - Characteristics of superconductors with overlapping bands. p. 821.
- Al'tshuller, V. M., Pildon, V. I. - Appearance of precipitation in silicon after boron diffusion. p. 830.
- Kravchenko, V. I. A. - Theory of electric resistance of metals due to dislocations. p. 836.
- Vavilov, V. S., and others. - Temperature dependence of induced radiation from CdTe in the case of electron excitation. p. 842.
- Atsarkin, V. A., Morshnev, S. K., Polkin, L. I. - Electron paramagnetic resonance, spin-lattice relaxation, and optical absorption in magnesium tungstate doped with cobalt. p. 846.
- Dudenkova, A. V., Nikitin, V. V. - Using a laser for measuring the lifetime of nonequilibrium carriers in gallium arsenide single crystals. p. 851.
- Blinov, L. M., Vavilov, V. S., Galkin, G. N. - Concentration of current carriers in a semiconductor illuminated by a laser. p. 854.
- Kalashnikov, S. G., Morozov, A. I., Stankovskiy, B. A. - Effect of traps on ultrasound amplification in cadmium sulfide. p. 859.
- Gulakov, I. U. V., Epstein, E. M. - Acoustothermal effects in solids. p. 864.
- Sladobutsev, S. V., Nizareva, O. R., Kaneev, M. A. - Radiation stimulated diffusion in cadmium sulfide. p. 872.
- Kvinsadze, M. V. - Relaxation of effective temperature of current carriers in semiconductors. p. 875.
- Samokhvalov, A. A., Ismailov, S. A., Ouklov, A. A. - Superhigh frequency dielectric properties of ferrites spinels. p. 884.
- Mitofanov, K. P., Sidorov, T. A. - Mossbauer effect in tin-containing glasses. p. 890.
- Kosevich, A. M., Saralidze, Z. K., Slezov, V. V. - Effect of irradiation on diffusion-dislocation motion of crystals. p. 895.
- Amilin, E. B., Kovalevskaya, I. U. A., Kovdin, I. U. Z. - Hall effect and electric resistance of vanadium in the 20° - 300°K temperature range. p. 905.
- Gantsevich, S. V. - Theory of electroluminescence of multivalley semiconductors in strong electric fields. p. 909.
- Kuz'min, I. I., and others. - Effect of electron and γ -irradiation on VK-2 and VK-4 variable capacitors. p. 918.
- Sokolov, A. I., Nechaeva, V. V. - Reversible structural changes in glassy SiO_2 at elevated temperatures. p. 921.
- Kuskova, T. V., and others. - Effect of heat treatment on the perfection of structure of $\text{NaCl}(\text{Pb})$ single crystals grown from the solution. p. 926.
- Bogdanov, V. L., Lemanov, V. V. - Electric field gradient on In^{115} and Sn^{119} nuclei in elastically deformed InSb crystals. p. 928.
- Cherkasov, I. U. A., Ioney, L. N. - Photoconductivity of amorphous selenium layers at frequency 10^{10} cps. p. 930.
- Emel'yanenko, O. V., and others. - Negative magnetoresistance in n-gallium arsenide doped with copper. p. 933.
- Gershun, A. S., Timan, B. L. - Formation of a charge in CdS crystals due to the applied voltage. p. 935.
- Kalvenas, S., Klimka, L., Pozela, J. - Recombination of hot current carriers on a real surface of n-germanium. p. 936.
- Bronshtein, I. M., Denisov, S. S. - Secondary electron emission of aluminum and nickel in the case of oblique incidence of primary electrons. p. 938.
- Bakradze, R. V., and others. - Concentration quenching of erbium luminescence in yttrium-aluminum garnet. p. 939.
- Potlitsnikov, S. A., Proskurinkov, O. B. - Initial permeability in ferrites-garnets containing vanadium ions. p. 942.

- Petrova, I. I. - Properties of hexagonal ferrite solid solutions with Z- and W-type structures. p. 944.
- Ioffe, I. V. - Theory of the acoustoelectric effect in dielectrics. p. 946.
- Shelkun, L. A. - Characteristics of magnetic properties of trigonal and tetragonal rare earth centers in CaF_2 -type crystals. p. 948.
- Korzo, V. F., Riabova, L. A. - Conductivity of thin layers of indium oxide. p. 950.
- Kudashov, B. K., Nifanorov, S. P. - Temperature dependence of elastic constants of sodium iodide crystals. p. 952.
- Golubkov, A. V., Tikhonov, V. V. - Effect of Sm^{2+} multiplet structure on the heat capacity of samarium monochalcogenides. p. 954.
- Samokhin, A. A. - "Rotational" saturation in the nuclear magnetic resonance. p. 955.
- Vol 9, no. 4, Apr. 1967
- Table of contents translated
- Vorob'ev, G. A., Pikalova, I. S. - Some physical processes in rock salt in bounded electric fields. p. 961.
- Gubnikov, Z. S., Rashba, E. I. - Characteristics of the electric pinch effect in a many-valley bipolar semiconductor. p. 967.
- Vakulenko, O. V., Lisitsa, M. P. - Absorption of infrared radiation by free carriers in n-GaAs. p. 979.
- Deigen, M. F., and others - Studying concentration dependence of electron paramagnetic resonance of Mn^{2+} in CdTe single crystals. p. 983.
- Zakharova, M. V., and others - Plasticity of filamentary cadmium and zinc crystals. p. 997.
- Shul'gina, I. L., Kov'ev, E. K. - X-ray diffraction examination of defects developing in silicon in the case of deep phosphorus diffusion. p. 1003.
- Chislov, E. V., Shui, M. S. - Studying ferroelectric transitions in BaTiO_3 crystals from Raman scattering spectrum in the region of NO_2 and anion vibrations. p. 1015.
- Khalibullin, B. M. - Nonresonance magnetic ultra-sound absorption by the nuclei in metals. p. 1020.
- Malov, I. U. V., Rozhanski, V. N. - Studying the dislocation structure of silicon deformed in the stage of light slip. p. 1023.
- Kopvillem, U. Kh. - Theory of ferromagnetic free induction and the echo. p. 1033.
- Gukhlianski, I. U. P., Sichevoley, M. I., Popovitch, B. N. - Spatial pickling pits on germanium. p. 1042.
- Smyslov, I. I. - Calculating tensor values with the aid of electronic digital computers. p. 1047.
- Kravchenko, V. I. A. - Observability of dislocation mobility in conducting crystals by means of electric effects. p. 1050.
- Kesendov, I. A. M., Aydenko, B. K., Makarov, V. V. - Semiconductor properties of nickel oxide single crystals. p. 1053.
- Bit, G. L., Butikov, E. L., Pikus, G. E. - Combination resonance on holes in Ge- and Si-type semiconductors. p. 1058.
- Vinokurov, V. M., Stepanov, V. G. - Value of initial splitting of gadolinium ions in crystals of scheelite series. p. 1061.
- Vasilonoev, A. V., Zakharichenko, B. P., Seistan, R. P. - Magneto-optical oscillations of the absorption in germanium crystals free of mechanical stresses. p. 1065.
- Aganovitch, V. M., Mikhlin, E. I. A. - Radiation annealing of depleted Seeger zones. p. 1069.
- Chibotkevich, L. A., and others - Interaction of Bloch walls with dislocations in weak fields. p. 1073.
- Ivanov, O. A., Shur, I. A. S., Shol'vis, E. V. - Characteristics of the magnetic reversal processes and the nature of coercive forces of cobalt ferrite powders. p. 1078.
- Gonkin, V. M. - Nonlinear effects in ferromagnets. p. 1100.
- Petrov, E. G. - Interaction of spin waves with polarons in ferroelectrics. p. 1109.
- Korkhuzian, N. A. - One possibility for determining optical parameters of crystals. p. 1113.
- Chirkov, V. I., Blohin, S. M., Vainshtein, E. E. - Studying X-ray K-spectra of titanium in nitride and carbide. p. 1116.
- Shunt, A. A. - Use of the method of bending vibrations in determining the modulus of elasticity of filamentary crystals. p. 1122.
- Gavriluk, V. M., and others - Binding energy of adsorbed cesium atoms with faces (110) and (100) of tungsten crystals. p. 1125.
- Kaganov, M. I., Semenenko, A. I. - Theory of ultrasonic absorption by graphite. p. 1129.
- Kaipushin, A. A., Savvinikh, S. K. - Possible application of surface elastic waves in studying surface characteristics of semiconductors. p. 1141.
- Ivanov, V. G., Futsel, G. N., Sokol'skaya, I. L. - Studying the autocatalytic emission of germanium. p. 1144.
- Kotikuk, I. U. N. - Use of the ferromagnetic resonance method in measuring magnetostatic constants of ferrite single crystals. p. 1149.
- Efros, A. L. - Theory of kinetic phenomena in semiconductors with low mobility. p. 1152.
- Aleksandrov, I. V., Pukhov, K. K. - Some characteristics of spin-lattice relaxation in Kramers systems. p. 1159.
- Gavrilova-Podolskaya, G. V., and others - Nuclear magnetic resonance and ferroelectric properties of sodium hydroxide-saturated mixed crystals. p. 1160.
- Indenbom, V. L., Dubnova, G. N. - Interaction of dislocations in lattice points and the dislocation equilibrium. p. 1171.
- Lakovlev, I. U. M., Shil'nikov, I. U. R. - Effect of thermodynamic fluctuations of magnetization on the width of ferromagnetic resonance line. p. 1173.
- Gitis, M. B. - Compressibility of metals. p. 1183.
- Sizov, V. V. - Corrosion of super-saturated solid solutions in the case of diffusion along the grain boundaries or dislocation lines. p. 1187.
- Urushadze, G. I. - Electron tunneling in superconductors. p. 1192.
- Gurevich, L. E., Korenblit, I. A. - Indirect interaction between electrons and holes by means of phonons and its effect on the kinetic properties of semimetals. p. 1195.
- Myshlaev, M. M. - Change in the mosaic structure of aluminum in creep. p. 1203.
- Gurevich, A. G., and others - Amplitude and time-dependent oscillations of magnetoelastic pulses. p. 1209.
- Timfel', V. M., Maslovskaya, Z. A., Vakhonin, V. V. - Transfer of plastic deformation through the intergranular boundary in NaCl crystals. p. 1213.
- Minaeva, K. A., and others - Ultrasonic absorption during phase transitions in glycine sulfate-type ferroelectrics. p. 1220.
- Kolov, B. A., and others - Comparing the spectra of cold neutron scattering on amorphous and crystalline selenium. p. 1227.
- Shutlov, V. A., Antokolskii, G. L. - Ultrasonic excitation of magnetic dipole transitions of F^{19} nuclei in LiF single crystals. p. 1231.
- Kontonova, T. A. - Plastic deformation of germanium in an electric field. p. 1235.
- Semak, D. G., Chepur, D. V., Zolotarev, V. F. - Method of thermally stimulated current in the photoelectric technique. p. 1242.
- Bakhtov, M. I. A., Driaklov, N. Z. - Local levels in hexagonal selenium single crystals. p. 1244.
- Monosov, I. A. A., Sutin, V. V. - High-frequency vibrations in polycrystalline ferrites in the cases of nonlinear ferromagnetic resonance. p. 1246.
- Chernov, V. M. - Temperature dependence of the moments of electron paramagnetic resonance lines. p. 1247.
- Mashkovich, M. D., Smelenskaya, E. N. - Nature of dielectric losses in glasses at superhigh frequency. p. 1249.
- Kirshinlov, V. P. - Polarization of nuclear spins by a hot electron stream in a quantized magnetic field. p. 1250.
- Belovskii, G. N., and others - Studying nuclear gamma resonance after α -decay. p. 1252.
- Geguzin, I. A. E., Solov'ev, V. I., Shakhova, A. G. - Movement of Na^+ in the diffusion zone of the system $\text{NaCl} - \text{NaBr}$. p. 1254.
- Zhegolev, D. A., Dolgoplov, D. G. - Oscillation amplitude of the Knight shift. p. 1256.
- Adzhovich, E. L., Goldshtein, L. M. - Determining the work function and the blackbody coefficient of boron and of silicon by the method of the proper thermometer. p. 1259.
- Vasilovskaya, A. S., Sonin, A. S., Rez, I. S. - Electro-optical and elasto-optical properties of alkali metal dihydrides. p. 1260.
- Rubinshtein, B. E. - Biquadratic indirect exchange in yttrium garnet. p. 1263.
- Zaripov, M. M., and others - Discovery of M^{2+} ions in CaF_2 . p. 1265.
- Prokop'ev, E. P. - Positronium atom in solids. p. 1266.
- Arseva-Ceill', A. N., Kishkat, A. D., Kazenov, B. A. - Photoemission from additively colored KCl crystals. p. 1269.
- Kalvanya, S., Porola, J. - Heating of current carriers in thin samples of germanium. p. 1270.
- L'vov, V. S. - Optical activity of deformed crystals. p. 1273.
- *GEOMAGNETIZM I AERONOMIA (GEOMAGNETISM AND AERONOMY). Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Kontukov, M. V. - Theory of Parker's solar wind. Part I: Currents with a polycyclic source of heat. p. 217.
- Tverskoi, B. A. - Stability of earth's radiation belts. p. 220.
- Shabanskii, V. P. - Generation of electric fields in the magnetosphere and acceleration of aurora particles. p. 243.
- Samokhin, M. V. - Effect of the outer magnetic field on the form of the boundary between a plasma stream and a cavity with a dipole. p. 248.
- Timofeev, G. A. - Coulomb relaxation of earth's radiation belt electrons in the dense layers of the atmosphere. p. 255.
- Timina, L. P., Cherevko, T. N. - Analytical representation of the geomagnetic field according to data from the artificial earth satellite "Kosmos-49". Part I. p. 264.
- Doiman, L. I., Okulov, I. U. - Movement of the monopole in the field of a magnetic dipole. p. 269.
- Lazarev, V. I. - Absorption of electron beam energy in the upper atmosphere. p. 278.
- Kisura, V. A., Solodovnikov, G. K., Migunov, V. M. - Measuring the full number of electrons in the ionosphere and its gradients by means of signal recordings from "Elektron" satellites. p. 281.
- Gurevich, A. V. - Effect of radio waves on the ionosphere in the region of the F-layer. p. 291.
- Triskova, L., Sumardiev, D. T. - Some properties of meteor echoes in the case of forward scattering of ultrashort waves. p. 300.
- Logunov, G. A. - Microstructure of a disturbed solar-tidal variation. p. 304.
- Gus'kov, E. G., Pochinov, V. I. - Magnetic fields of outer space on the basis of data on the magnetic properties of meteorites. p. 310.
- Khugan, A. Kh. - Vertical distribution of atmospheric ozone. p. 317.
- Maksimov, I. V., Vorob'ev, V. N., Gudyash, B. V. - Quasi-periodical characteristics of long-period variations of the tide-generating force of the moon and the sun. p. 323.
- Shevina, A. D. - Topology of the geomagnetic field at the distance 3 - 7 R by data of "Elektron-2". p. 328.
- Antsilevich, M. G. - Duration of the initial phase of a geomagnetic storm. p. 334.
- Trakhtengerts, V. I. U. - Nonlinear theory of cyclotron instability of earth's radiation belts. p. 339.
- Kalnin, I. U. D. - Nonpolar part of the geomagnetic field at the magnetosphere boundary. p. 341.
- Kuznetsov, S. N. - Studying earth's magnetic field with the aid of radiation belts. p. 342.
- Gul'teil, A. V. - Characteristics of dispersion of proton whistlers discovered on board the satellites "Intun-3" and "Alouette-1". p. 344.
- Polapova, N. I., Shapiro, B. S. - Variations of the $\text{N}(\text{B})$ parameters during the IGY and IYQS. p. 345.
- Keiblat, T. S. - Dependence of f_{min} on the absorption value. p. 348.
- Kazimirovskii, E. S., Kozlov, V. D., Chernobrovkina, N. A. - Winter ionospheric drifts during the period of the quiet sun. p. 352.
- Atem'eva, G. M., Korol'kov, I. U. S., Pisareva, V. V. - Studying the equatorial anomaly of the ionosphere in the east Asiatic zone of the Pacific Ocean. p. 353.
- Mikhailova, G. A. - Spectra of atmospheric air at ultra low frequencies at night time. p. 357.
- Sheer, V. S. - Lunar periodic variation of the magnetic field on Hayes' Island. p. 359.
- Rudneva, N. M. - Using the graphical integration method for the construction of current systems of solar diurnal magnetic variations for very quiet days. p. 362.
- Fel'dshtein, I. A. I., Pavlovich, L. K., Puolokainen, T. P. - Magnetic activity in the ionosphere and low latitudes during the period of IGY. p. 364.
- Starkov, G. V., Fel'dshtein, I. A. I. - Scheme of elementary disturbances in auroras on the day side of the earth. p. 367.
- Maisuradze, P. A. - Field of polar disturbances in high latitudes. p. 369.
- Afonta, R. G., Fel'dshtein, I. A. I. - Magnetic activity in high latitudes of the Northern Hemisphere during the IGY. p. 373.
- Namgaladze, A. N., Rasopov, O. M., Roldugin, V. I. - Relation between the pulsations of P12 geomagnetic field and the pulsations of the luminosity of aurora. p. 376.
- Lialskii, V. B., Solitanov, V. P. - Fine structure of PP(Pol) polarization in Lovozero. p. 378.
- Vainan, L. L., Komarov, G. A. - Relation of electromagnetic variations to the relief of the ocean bottom. p. 380.
- Portnagin, I. U. I. - Dissociation of molecules with meteor trails. p. 382.
- Lugovenko, V. N. - Stationarity of a random process approximating an anomalous magnetic field. p. 386.
- Lugovenko, V. N. - Some estimations of errors originating from the division of a geomagnetic field into the main and anomalous fields. p. 388.
- Kropachev, E. P., Kolesova, V. I. - Analytical representation of a geomagnetic field. p. 390.
- Konovalova, L. V., Nalivaiko, V. I. - Magnetic map of the Brazilian anomaly. p. 394.
- Aframovich, E. L., Kudelin, G. M. - Device for a multi-frequency sounding of the ionosphere. p. 395.
- *IADERNIA FIZIKA. JOURNAL OF NUCLEAR PHYSICS. Issued by Akademiya nauk SSSR and Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii SSSR [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the U.S.S.R.]. Moscow, vol. 5, no. 3, Mar. 1967.
- Table of contents translated:
- Avotina, M. P., and others. - Eu^{146} decay. p. 405.
- Karzhavina, E. N., and others. - Studying neutron resonances of Ho^{165} . p. 471.
- Begzhanov, R. B., Islamov, A. A. - Resonance scattering of α -quanta on Si^{28} , Ni^{60} , and Zn^{66} nuclei. p. 483.

- Denisov, V.P., Kul'chitskii, L.A. - Reactions with emission of protons, deuterons, and tritons in the photodisintegration of Li^7 nucleus. p.490.
- Denisov, V.P., and others. - Photodisintegration of Li^6 nucleus. p.498.
- Bogdanov, A.P., Tatarskiy, V.N., Furov, E.I. - Studying γ -ray coincidences in (n, γ) reaction on C^{13} , C^{13} isotopes. p.504.
- Kobzev, A.P., and others. - Differential cross sections of $O^{16}(t, \gamma)N^{15}$ and $O^{16}(t, p)O^{16}$ reactions in the energy range 0.8-1.75 Mev. p.510.
- Senichenko, V.I., and others. - Mass and kinetic energy distribution of fragments from U^{235} fission by thermal and fast neutrons. p.514.
- Baranov, S.A., and others. - New data on α -decay of U^{233} . p.518.
- Artem'ev, I.U.M., and others. - Structure of the kinetic energy spectra of fragments from U^{235} fission by fast neutrons. p.527.
- Makafutchenko, U.P., and others. - On the n, α -reaction and the yield of delayed neutrons from Th^{232} . p.529.
- Ranluk, I.U.N., Sorokin, P.V. - Fission of uranium by 35-460 Mev. electrons. p.534.
- Gangskii, I.U.P., and others. - Producing spontaneously fissionable Am^{240} and Am^{242} isotopes in neutron transfer reactions. p.535.
- Dovgintsova, A.S., and others. - Angular distribution of fragments and cross section of Ra^{226} fission by deuterons. p.538.
- Sunbaev, O.I., and others. - Isotopic shifts of X-ray K_{α} -lines in the transition region from spherical to deformed nuclei. p.544.
- Vanagas, V.V., Petrauskas, A.K. - Intermolecular interaction in an irreducible form. Calculating the binding energy of light nuclei. p.552.
- Berlovich, T.E. - Collateralization of single-particle transitions in odd deformed nuclei. p.559.
- Matov, L.A., Solov'ev, V.G. - Structure of the ground and excited states of odd deformed nuclei in the actinide region. p.566.
- Silchenko, A.G., Ismatov, E., Tatarskiy, V.K. - Diffraction interaction of light nuclei. p.573.
- Vorotnikov, P.E. - Channel analysis of U^{234} fission by neutrons. p.583.
- Zinov, V.G., and others. - Studying the structure of K-series in the atomic capture of negative muons in chemical compounds. p.591.
- Budashov, I.U.G., and others. - Structure of K-series of argon in the atomic capture of negative muons in a pure gas and in a mixture with hydrogen. p.599.
- Vellishch, I.A., and others. - Search and study of the π -particle resonances in π^+ -interactions at a momentum of 4.1 GeV/c. p.603.
- Moi Zhu, V.S., and others. - Nature of nuclear-active particles at mountain heights. p.612.
- Tugov, I.I. - Coulomb interaction theory. p.616.
- Ivanenko, I.P., Fainosudov, H.E. - Energy spectra of cascade electrons in lead. p.622.
- Tarasov, A.V. - Decay of neutral pions into three photons. p.626.
- Pafonov, V.E., Frank, I.M. - Transient radiation on two parallel interfaces. p.631.
- Akhicz, A.I., Rikalo, M.P. - Photoproduction of neutral vector mesons and the quark model of elementary particles. p.641.
- Sokolov, V.V., Khriplovich, I.B. - Determining the fermion stream density in vector coupling theories. p.644.
- Bokov, A.V., Nikitin, I.U.P. - Spin structure of the photoproduction amplitude at high energies. p.650.
- Kavnikov, B.M. - Spin structure of meson production amplitudes with random spins in N-collisions. p.658.
- Holzer, I.I. - Unitarity relation and asymptotic properties of a scattering amplitude. p.663.
- Vasev, V.G., Ginzburg, I.F. - Asymptotic summation of ladder diagrams at high energies. p.669.
- Rybachenko, V.F. - Collision time in nuclear reactions. p.685.
- Chepurnykh, G.K. - Solution to a nonlinear spinor equation. p.688.
- Popov, V.S., Perelomov, A.M. - Casimir operators for a unitary group. p.693.
- Bychenkov, V.S., Perfilov, N.A. - Energy spectra of charged particles accompanying the fission of W by protons with an energy $E_p=660$ Mev. p.727.
- Val'skii, G.V., Petrov, G.A., Plova, I.U.S. - Dependence of the value of γ -radiation anisotropy due to thermal neutron fission of U^{235} on the ratio of fragment masses. p.734.
- Ivanov, O.I., and others. - Angular spectra of neutrons from the ternary fission of U^{235} nuclei. p.737.
- Anderson, D.M., Anderson, E.K., Trusov, V.F. - Allowing for the shielding of a nuclear field in calculating the internal conversion coefficients. p.741.
- Birbrah, B.L. - Variation of the density matrix in the outer field of superfluid Fermi systems and ghost states in the theory of a nucleus. p.746.
- Golovin, A.F. - Calculating the deformations in nuclei by isotopic shifts. p.755.
- Kadnitskii, S.G. - Method of Green's functions and the theory of stripping reactions. p.759.
- Shebeko, A.V. - Calculating the cross section of diffraction scattering in an analytical form. p.766.
- Vashakidze, I.Sh. - Nonlocal factorizing potential in calculations based on the shell model. p.771.
- Kolbasov, V.M., Smorodinskii, N.I.A. - Theoretical analysis of knocking-out reactions. p.777.
- Drozdo, S.I. - Excitation of two-phonon states of a nucleus by diffraction scattering. p.780.
- Blodintsev, L.D., Dolinski, E.I. - Problem of many bodies and direct nuclear reactions. Vertex functions in the problem of three bodies. p.797.
- Kulikov, O.F., Leskint, I.U.M., Larov, A.S. - Stabilization of betatron oscillations. p.810.
- Kotenko, L.P., Merzon, G.I., Chechin, V.A. - Relativistic increase and plateau of track density in bubble chambers. p.815.
- Dunaitsev, A.F., and others. - Decay curve of π^+ -mesons in the region of long lifetimes. p.826.
- Budashov, I.U.G., and others. - Muon capture in gas mixtures. p.830.
- Belakov, V.A., and others. - Inelastic π^+ -interactions at an energy of 7.5 GeV. Quadruple-beam events with pions. p.834.
- Veselovskii, G.S., and others. - Studying exchange scattering of π^+ -mesons on light nuclei with 2.8 GeV/c momentum. p.848.
- Kirillov-Buzinov, V.G., Seleznev, F.M., Fesenko, A.I. - Absorption of 70 MeV π^+ -mesons by the nuclei of an emulsion. p.851.
- Anisovich, V.V., Shekhter, V.M. - Disturbance of the CP-invariance in the τ -decay of K-mesons. p.855.
- Dolgov, A.D., Marilov, M.S., Ponomarev, I.A. - Possibility to observe T-odd correlations in the Compton effect on a proton. p.870.
- Anatoliant, V.M., Shakhmurov, I.U.G. - Production of π^0 -mesons in the $\pi^+ + e^+ \rightarrow \mu^+ + \pi^0$ reaction. p.874.
- Kuchin, I.A., Tolstovaeva, A.S., Usik, P.A. - Using a nonlocal exchange model in analyzing inelastic π^+ -p-interactions. p.877.
- Zinov, V.G. - Inelastic π^+ -p-interaction at high energies and a statistical model of multiple particle production. p.884.
- Lehar, P., Fedunov, V.V., Janoud, Z. - Planning of up-scattering experiments above the meson production threshold. p.887.
- Enkovski, L., Kuchin, V.V., Nguyen-Thi-Hong. - Existence of some baryon and meson unitary multiplets. p.891.
- Rybachenko, V.F. - Passage time of a particle through a barrier. p.895.
- Skaizhinskii, V.D. - Exclusion of quasi-local terms from axiomatic equations. p.902.
- Smirnov, E.L. - $O(3,1)$ and wave functions of n -particles. p.908.
- Adamov, V.M., and others. - Correlation between the energy of α -particles and the number of γ -quanta at spontaneous ternary fission of Cu^{244} . p.923.
- Dmitrenko, V.P., and others. - Experimental studies of the relation between grain crop yields and hydrometeorological factors. p.31.
- Dmitrenko, V.P. - Concept of organogenetic layer in relation with its temperature and air temperature. p.65.
- Sakali, L.I., Solodovnikova, A.P. - Effect of some elements of thermal conditions on the growing conditions of grain crops. p.71.
- Dmitrenko, V.P., Kulikov, V.A., TSupenko, N.F. - Recommendations for conducting agrometeorological service using aviation. p.84.
- No.61, 1966. Problems of active cloud modification. Table of contents translated.
- Pilskhot'ko, G.F. - Evaluation of effectiveness of artificial precipitation from convective clouds. p.3.
- Pilskhot'ko, G.F. - Synoptic conditions in days with modification of convective clouds. p.17.
- Voit, F.I.A. - Some results of studying water content in convective clouds subjected to modification for stimulation of precipitation. p.25.
- Gavrilenko, N.M., Iashovskaya, Z.M. - Water content and thickness of convective clouds in different synoptic processes. p.35.
- Polovina, I.P. - Normalization of expenditure of dry ice in modification of air-mass stratus clouds and fogs. p.41.
- Polovina, I.P. - Experimental studies of process of artificial crystallization of supercooled stratus and strato-cumulus clouds. p.50.
- Polovina, I.P. - Parameters of stratus and strato-cumulus clouds producing precipitation. p.61.
- Polovina, I.P. - Methodology of carrying out experiments in modification of stratus and strato-cumulus clouds for purpose of determination of coefficient of realization of their water resources. p.71.
- Leonov, M.P. - Quantitative evaluation of artificial increasing of precipitation in cold half of the year in Ukrainian Steppe. p.81.
- Leonov, M.P. - Preliminary results of study by radar of intensified precipitation zones. p.86.
- Mikhailenko, N.M., Polovina, I.P. - Usefulness for modification of frontal clouds producing precipitation. p.94.
- Mikhailenko, N.M. - Characteristics of controls after airplane in Kiev region. p.101.
- Bogatyri, I.T., Romov, A.I. - Effect of medium-scale thermal variation of underlying surface on summer convective precipitation. p.106.
- Voit, F.I.A. - Improved methodology of measuring water content in convective clouds using SIV-3 device of V.A. Zaitsev emulsion method. p.114.
- Volov, A.D., Mirmov, L.A. - Airplane automatic dosing apparatus (SADU-I). p.118.
- LATVIJAS PADOMIU SOCIĀLISTISKĀS REPUBLIKAS ZINĀTNU AKADEMĪJA. Vēstis Tīkrai un tehniskai zināšanai seriā. Izvestia Akademii nauk Latvijas SSR. Seriya Tekhnicheskiye i tekhnicheskkiye nauki [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Bulletin. Series in the Physical and Technical Sciences]. Riga, no.1, 1966; nos.1-3, 1967.
- LENINGRAD. GLAVNAYA GEOFIZICHESKAYA OBSERVATORIA [MAIN GEOPHYSICAL OBSERVATORY] Solar Radiation and Radiation Balance Data. Solnechnaya radiatsiya i radiatsionnyy balans, Jan. 1966.
- LENINGRAD. NAUCHNO-ISSEDOVATELSKII INSTITUT GIDROMETEOROLOGICHESKOGO PRIBOROSTROENIYA. Spravochnik [SCIENTIFIC RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INSTRUMENT MANUFACTURE. Paper 8]. Moscow, no.20, 1966. Contents: [Information materials on hydrometeorological instruments and methods of observation] Informatsionnye materialy po gidrometeorologicheskim priboram i metodam naibladeni. 63 p.
- MOSCOW. MIROVOI METEOROLOGICHESKII TSENTR. Trudy [WORLD METEOROLOGICAL CENTER. Transactions]. Leningrad, no.11, 1966. Satellite meteorology. Table of contents translated.
- Vetlov, I.P., Anikeeva, L.A. - Scheme of calculation and analysis of spatial lines of current and trajectories of air particles. p.3.
- Vel'tshchev, N.F., Ozerkina, V.V. - Reestablishment of wind field in cyclone using television pictures of cloud cover obtained from artificial earth satellites. p.15.
- Alkseeva, I.A., Vel'tshchev, N.F. - Orientation regarding air content of cloud layers observed from artificial earth satellites. p.26.
- Sonechkin, D.M. - Some statistical characteristics of cloud cover based on data of airplane and ground observations. p.34.
- Laysheva, V.I., Melnikova, T.A., Sonechkin, D.M. - Use of statistical characteristics of television signal for determination of quantity and form of clouds on photographs obtained from meteorological satellites. p.42.
- Popova, T.P., Dzibenko, T.D. - Distribution of vertical velocity in cyclone. p.60.
- Musaitin, Sh.A., Sviridova, S.G. - Taking into account data on cloud cover in determining climatic temperature field of atmosphere. p.64.
- Vol.6, no.4, Apr.1967. Table of contents translated.
- Prokof'ev, P.T., Simonova, L.I. - Lower states of Re^{186} and Re^{188} nuclei excited in the (n, γ) -reaction. p.697.
- Tutakhi, P.M. - Angular distribution of photoprotons from the $d(d, n)p$ reaction ($E_d=0.72$ Mev). p.701.
- Taktchen, Z.S., and others. - Emission of fast double charged particles in the case of the splitting of nuclei by protons and antiprotons. p.703.
- Khrushchev, B.I., Siadmanov, R.Sh., Sharipova, L.S. - Depolarization of slow polarized neutrons on hydrogen. p.710.
- Ad'lanovich, D.P., Polunin, I.U.P., Fomenko, D.E. - $D(d, p)T$ reaction on polarized deuterons at energies of 100-500 KeV. p.713.
- Golman, I.U.V., and others. - Analyzing elastically scattered deuterons by means of stripping reactions. p.718.

- Musatlian, Sh. A., Khazizova, N. S., Chuzavkova, N. A. - Some results of calculating fields of vertical movements in distribution of cloud cover. p. 78
- Musatlian, Sh. A., Karpova, V. M. - Calculation of cloud cover. p. 89.
- Boldyrev, V. G. - Machine plotting of maps of temperature of earth surface and height of upper boundary of clouds based on data of meteorological satellites of earth. p. 96.
- Boldyrev, V. G., Oleshch, V. M. - Statistical structure of vertical profiles of temperature and humidity. p. 103.
- Boldyrev, V. G., Kudimova, G. N. - Calculation and analysis of long-wave radiation in atmosphere. p. 115.
- Kurikova, I. U. V. - Structural characteristics of fluxes of long-wave radiation. p. 128.
- Alpatova, R. L. - Studying statistical relations of cloud cover with d.w.-point spread, vertical velocities and temperature. p. 138.
- Velikov, N. V., Kuznetsov, A. P. - Calculation and analysis of radiation fluxes and influxes of heat in presence of cloud cover. p. 145.
- Dombkovskaya, E. P. - Infrared information on clouds from artificial satellites of earth. p. 152.
- MOSCOW, NAUCHNO-ISLEDovATELSKII INSTITUT AEROKLIMATOLOGII. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AEROClimATOLOGY. Transactions].** Moscow, no. 35, 1968. Problems of aeroclimatology of Northern Hemisphere.
- Table of contents translated
- Khanevskaya, I. V. - Zonal meteorogeneity of temperature field in middle stratosphere. p. 3.
- Bushkants, G. S. - Distribution of temperature in free atmosphere over Pacific Ocean. p. 10.
- Mostoslavskiy, I. M. - Vertical distribution of temperature in free atmosphere in its determined values at earth's surface. p. 11.
- Kavits, L. I. V., Pashova, Z. D. - Comparative characteristics of fields of mean temperature in free atmosphere for seven-year and fourteen-year periods. p. 43.
- Guterman, I. G., and others. - Methodology for calculation of mean wind in vertical layers. p. 58.
- Mitnikov, E. A. - Statistical distribution of mean wind. p. 63.
- Guterman, I. G. - Nomogram for calculation of wind rose based on normal circular law. p. 68.
- MOSCOW, TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions].** Leningrad, no. 148, 1968. Analysis of formation and forecasting of runoff.
- Table of contents translated
- Subbotin, A. I. - Considering forest influence in calculating and forecasting spring streamflow. p. 3.
- Dmitrieva, N. G. - Determining amount of seasonal freezing of river basin by geochemical method. p. 34.
- Podvishenskaya, N. I. A. - Forecasting of rain floods. p. 62.
- Podvishenskaya, N. I. A. - Effect of intensity of precipitation on amount of hydrograph of rain floods. p. 71.
- Kharchan, Sh. A. - Methodology for long-range forecasting of Yenisey streamflow in gate of Krasnoyarsk Hydroelectric Power Station and inflow of water in Hydroelectric Power Station Reservoir in summer-autumn period. p. 90.
- Makarov, T. T. - Forecasting distribution of runoff in spring period on Belaya River at Brsk. p. 129.
- Vazhnov, A. N. - Precision in determining snow reserves in mountain basin. p. 143.
- Komarov, V. D., Stogub, E. S. - Maximal water reserves in snow cover of European part of U.S.S.R. based on data of 1892-1960. p. 150.
- Chernyavskaya, V. E. - Time of water reaching the Danube basin and effect of water amount in tributaries on level of the lower course of the river. p. 161.
- Mukhin, V. M. - Basic characteristics of depth of freezing of soils in European part of U.S.S.R. based on data of 1930-1962. p. 172.
- No. 157, 1969. Analysis and forecasting of cloud cover, fog, wind, and turbulence for aviation.
- Table of contents translated
- Rubinshtein, M. V. - Forecasting of cloud cover at 100 m height and less for 3-6 hours using diagrams of dispersion. p. 5.
- Pelrenko, N. V. - Some improved methods for forecasting radiation fog and visibility. p. 12.
- Abramovich, K. G., Glazunov, V. G. - Conditions governing formation and evolution of lower clouds in Ukraine in November-December 1962. p. 26.
- Rubinshtein, M. V. - Comparability of heights of lower boundary of clouds determined by using instrument and from airplane. p. 45.
- Ratimor, M. I. A. - Vertical distribution of horizontal visibility under clouds and in clouds. p. 57.
- Rechetov, G. D. - Cloud systems of fronts based on observations from airplanes. p. 71.
- Pelrenko, N. V. - Some characteristics of structure of jet streams. p. 87.
- Vasil'ev, A. A., Reschikova, A. A. - Experimental study of turbulence during born on Adler-Novorossiysk air route. p. 94.
- Vasil'ev, A. A. - Meteorological conditions governing development of atmospheric turbulence in lower layer of lee side of mountain ridge. p. 101.
- Brakhlina, V. N. - Aerodynamic conditions governing bumpiness of airplanes in upper troposphere and lower stratosphere over Asiatic part of U.S.S.R. p. 118.
- REFERATIVNYI ZHURNAL' FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS].** Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967.
- *REFERATIVNYI ZHURNAL' MEKANIKA [JOURNAL OF ABSTRACTS: MECHANICS].** Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967.
- *RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego specia'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeni; radiofizika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Radio Physics].** Moscow, vol. 10, no. 3, 1967.
- Table of contents translated
- Neimark, I. U. I. - Existence and stability of invariant manifolds of point-to-point mappings. p. 311.
- Neimark, I. U. I. - Integral manifolds of differential equations. p. 321.
- Gavrilov, N. K. - Differential system containing a small parameter with a derivative tending toward a conservative system. p. 335.
- Gilgorenko, V. P. - A case of a damped oscillation of periodic modes in a relay system. p. 340.
- TSol, K. M., Shimanov, S. N. - Periodic vibrations of quasilinear autonomous systems with time lag. p. 345.
- Gudzenko, L. I., Chertoprud, V. E. - Number of degrees of freedom in the inverse problem in the theory of vibrations. Part 1. p. 353.
- Gudzenko, L. I., Chertoprud, V. E. - Number of degrees of freedom in the inverse problem in the theory of vibrations. Part 2. p. 363.
- Alekseev, A. S., Mincuk, F. F. - Use of the method of point-to-point transformations in solving optimum control problems in piecewise linear dynamic systems. p. 372.
- Cherepanov, A. I. - Method for analyzing the stability of a pulse relay control system. p. 383.
- Feigin, M. I. - Nonsymmetrical periodic motions in a symmetrical system with impact interactions. p. 389.
- Leonov, N. N. - Theory of simple extremum systems of the self-oscillating type. p. 393.
- Leonov, N. N. - Simple extremum systems of the self-oscillating type. p. 405.
- Batalova, Z. S. - Numerical calculation of dynamic systems with the aid of electronic computer. p. 431.
- Konchuk, V. I., and others. - Realization of functions in K-valued logic. p. 423.
- Dulotov, V. G. - Frequency of readings in uniform discrete transformation. p. 420.
- Strelkov, S. P., Kharlamov, A. A. - Electromechanical analogy of the vibrations of a wing with an airfoil in an air stream. p. 433.
- Bebikhov, V. A. - A method for simulating a constant time lag using a standard analog device. p. 441.
- Bykov, V. V. - Stability of a phase control system having a proportionately integrating filter with time lag. p. 447.
- Shalfeev, V. D. - An astatic system for phase frequency control. p. 449.
- *TSENTRAL'NAIA AEROLOGICHESKAYA OBSERVATORIIA. Trudy [CENTRAL AEROLOGICAL OBSERVATORY. Transactions].** Leningrad, no. 72, 1968. Physics of upper layers of atmosphere; theory and methods of study.
- Table of contents translated
- Chizhov, A. F. - Temperature of neutral and charged components of upper atmosphere and methods of measuring it. p. 3.
- Koklin, G. A., Udonova, L. A. - Experimental determination of coefficient of thermal diffusion of air in glass capillary. p. 27.
- Ivanovskii, A. I. - Interaction of measuring instrument with rarefied gas flow. p. 30.
- Chizhov, A. F. - Mass selection in measuring ion composition of upper atmosphere. p. 67.
- Martynkevich, G. M. - Separation of primary and secondary particles by mass-spectrometric studies of upper atmosphere. p. 73.
- No. 74, 1968. Methods, instruments, and technical devices used for experimental studies of free atmosphere
- Table of contents translated
- Krechmer, M. V. - Errors in determining velocity and direction of wind caused by inaccurate measuring of coordinates. p. 3.
- Marfenko, O. V., Markelova, K. I. - Results of studying effect of voltage of feeding sources on temperature measurement by RKZ-1A radiosonde. p. 23.

- El'mov, P. L. - Practice in sounding lower three-kilometer layer of atmosphere by A-58 radiosonde p. 28
- Zatechkov, P. F., Kiechmer, M. V., Fridron, M. B. - Studying effectiveness of different covers of thermistors of RKZ radiosonde p. 40
- Glagolev, I. U. A., Krechmer, M. V., Tormoz, L. F. - Experimental data on accuracy of measurements of air temperature in free atmosphere by some types of thermistors. p. 44
- Aibuzova, V. M., Glagolev, I. U. A. - Experimental data on parameters of the mal unit on readings of MMT-1 thermistor in free atmosphere p. 53
- Glagolev, I. U. A. - Theoretical dependence of heat errors of bead thermistors on their parameters and measurement conditions. p. 61
- Kostanov, G. N. - Programming radiation charts. p. 66
- Prashko, D. V., Trifonov, G. P. - Practice in composition of program of processing results of temperature-wind sounding using digital computers. p. 71
- Trifonov, G. P. - Automatic processing results of wind sounding using "Agat" apparatus p. 75
- Zatechkov, B. P. - Study of characteristics of thermal resistances, as of the temperature sensors of a radiosonde. p. 80
- Zatechkov, B. P. - High-precision thermoresistor for calibration of radiosondes p. 87
- *USPEKHI FIZICHESKIIH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 91, no. 4, Apr. 1987.
- Table of contents translated
- Rosenberg, G. V. - Physical bases of the spectroscopy of light-diffusing substances. p. 569
- Gurevich, A. V., Tsedilina, E. E. - Motion and spreading of inhomogeneities in a plasma. p. 609
- Gacchishvili, V. S., Alabidze, N. E. - Microwave spectroscopy of organic semiconductors. p. 645
- Suvorov, S. G. - Significance of prewar Solvay Conferences on Physics. (In connection with the publication of the translation of N. Bohr's message to the 12th Solvay Congress in Brussels, October 1981). p. 735
- Suvorov, S. G. - Symposium on "Dialectics and Modern Natural Science." p. 755
- *ZHURNAL PRIKLADNOI SPECTROSKOPII [JOURNAL OF APPLIED SPECTROSCOPY]. Minsk, vol. 6, no. 4, Apr. 1987.
- Table of contents translated:
- Dmitriev, V. D., Khlopov, G. K. - Spectral emissivity of a tungsten tape in the visible and near-infrared regions of the spectrum. p. 425
- Nesterko, N. A., Rossikhin, V. S., Tsikora, I. L. - Intensity change in the emission spectrum of alkali metals in a flame during electrolysis and the equilibrium shifting of ionization caused by a constant electric field. p. 431
- Gladushchak, V. I., Shrektor, E. I. A. - Intensity distribution in the hydrogen lamp spectrum in the 2500 - 1100 Å wavelength region. p. 437
- Polsakhsen, I. V. - Aberrations in the nonsymmetric scheme of a monochromator with plane diffraction grating. p. 440
- Arkhipov, V. M., Parashin, P. F. - Producing interference modulation in cesium-type and Fourier spectrometers with the aid of cam gear. p. 446
- Galanin, M. D., and others. - Modes and kinetics of generation in a ruby laser with inclined plates as a discriminator. p. 454
- Stepanov, B. I., Rutkovskii, F. K. - Calculating the utilization factor of pumping power and the efficiency of a ruby laser. p. 459
- Korolov, E. A., Khizov, L. D. - Calculating the power supply scheme for pulsed lamps used for the pumping of solid lasers. p. 467
- Malyshov, V. I., Markin, A. S. - Discrimination of axial modes in a laser with a filtering shutter. p. 471
- Gorbacheva, N. A., Kabakov, A. I. - Luminescence of manganese-activated phosphine glasses. p. 478
- Vasil'ev, A. F. - Studying the rotational isomers of methyl dichlorophosphate $\text{CH}_3\text{OP}(\text{SCl}_2)_2$. p. 485
- Iogansen, A. V., Rassadin, B. V. - Intensity of $\gamma(\text{A} - \text{H})$ infrared bands and the hydrogen bond. Part I: H-complexes of phenol with a series of ethers and benzene. p. 492
- Komarova, L. I., and others. - Studying infrared absorption spectra of resor-type phenol-formaldehyde polymers in the process of heat treatment. p. 501
- Rashkov, I. A. V. - Infrared spectra of some derivatives of benzimidazolone. p. 505
- Gil'fanov, F. Z., Stokov, A. L. - Reflection of Gd_2O_3 and GdF_3 powders. p. 511
- Radchenko, I. S. - Calculating the light extinction coefficient by colloidal particles of gold and silver in water. p. 515
- Tsirlin, I. U. A., and others. - Energy dependences of the light yield of some organic scintillators under the influence of α -particles. p. 522
- Maturov, A. N., Gochov, I. N. - Calculation of root-mean-square vibration amplitudes. p. 526
- Sall', A. O. - Conditions for obtaining maximum reliability in optical absorption analysis. p. 530
- Usov, V. N. - Effect of a transferred substance on the spatial distribution of the atoms of the sample in an alternating current arc. p. 534
- Vasilenko, I. S., Chobotayev, V. F. - Lifetime of $3s_2$ level and the transition probability of $3s_2 - 2p_{1/2}$ of neon. p. 536
- Naboldin, I. U. V., Ogurtsova, L. A., Fih', I. D. - Possibility of obtaining induced emission under conditions of reabsorption in triplet-triplet transitions. p. 538
- Bonch-Bruyevich, A. M., and others. - Traveling-wave laser based on Nd^{3+} -doped glass. p. 540
- Kaminskii, A. A., Kornienko, L. S., Mikareiko, L. V. - Studying Rowland's ghosts by means of lasers. p. 542
- Malakhov, V. P., and others. - Excitation of helium - krypton mixture. p. 545
- Vorob'eva, R. P., Zalukaev, L. P., Ivanova, E. N. - Oscillator strength of the long-wave absorption band and the inhibitor activity of some hydrogenated quinolones. p. 547
- Panova, A. N., Shakhova, K. V., Shiran, N. V. - Optical properties of sodium-activated cesium iodide, a new scintillation single crystal. p. 549
- Rebane, K. S., Rutina, V. - Vibrational structure in the excitation spectrum of ZnS phosphors. p. 550
- Vodnberg, T. I., and others. - Spectral dependence of the Vegard constant in glasses with high concentration of Tb_2O_3 . p. 552
- Tsitent'ev, A. S., Sitilov', N. E., Antonovskii, V. L. - Spectroscopic determination of carboxylic acids in polymers. p. 553
- Brekhovskikh, S. M., Viktorova, I. U. N., Shchubskii, V. I. - Studying the effect of heat treatment on the photoconductance of glass. p. 555
- Komissarova, I. I., Ostrovskaya, G. V., Chelidze, T. I. A. - Spectroscopic study of the laser spark. Part 2: Unit with time resolution. p. 557
- Vlasov, B. V., Gazetlerid, V. I., Kologiyev, V. N. - KIN-1 laboratory interferometer. p. 559
- ## 14. MEDICINE
- ### a GENERAL
- *AKADEMIYA MEDITSINSKIIH NAUK SSSR, Moscow. Vostnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 22, no. 4, 1987.
- Table of contents translated
- Chazov, E. I. - Some problems of the development of Soviet cardiology. p. 3
- Botchal, B. E., Zhumukin, V. P. - Plethysmography as a clinical method of studying vascular tones. p. 10
- Shkhatvalaba, I. K., Raikina, M. E. - Current problems in studying the mechanisms of origin and development of myocardial infarct. p. 16
- Nikitin, G. A. - Myocardial infarct in young persons. p. 27
- Zamyatova, K. N., Suchkov, V. V. - New data on pathogenesis of hypertension. p. 31
- Miasnikov, L. A., Zaitsev, V. F. - Some problems of the pathogenesis of atherosclerosis. p. 38
- Bogolubov, V. M. - New approaches in the diagnosis of thrombosis and atherosclerosis using lytic and coagulating agents. p. 43
- Vikheri, A. M., Zhdanov, V. S., Matova, E. E. - Atherosclerosis of the aorta and coronary vessels in different diseases. p. 49
- Shitskii, M. E., Votchal, D. E. - Quantitative aspects of the treatment with cardiac glycosides. p. 57
- Burakovskii, V. I., Kisis, S. I. A., Khlazova, G. D. - Pathogenesis of acute cardiac insufficiency following surgery on the open heart. p. 64
- Pokrovskii, A. V., and others. - Results of surgical treatment of postinfarct cardiac aneurysms under conditions of artificial blood circulation. p. 74
- Konstantinov, B. A. - Tetralogy of Fallot in infants: some problems of pathogenesis, clinical aspects and surgical treatment. p. 78
- Kovanev, V. A., Bolotarsov, F. F., Silinastnikov, M. A. - Experience with anesthesia in surgical treatment of congenital heart defects in young children. p. 84
- *BIULETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY [BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE]. Issued by Akademiya meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.]. Moscow, vol. 63, no. 4, Apr. 1987.
- Table of contents translated:
- Osadchil, L. I. - Study of systemic vascular reactions by means of total artificial blood circulation in rats. p. 3
- Dvoretckii, D. P. - Chemo-reflexes from the receptors of pulmonary vessels on the cardiovascular system. p. 8
- Ga'perin, I. U. M., Kochetkova, N. P., Mikhnevich, E. G. - Adaptation of interoceptive reflexes from the mechanoreceptors of small blood vessels. p. 11
- Khalimova, K. M., Hachorgaev, B. N. - Effect of products of interstitial metabolism on the character of afferent impulsion in the spinal nerve in rats. p. 16
- Matvalikina, D. P. - Physiological characteristics of proprioceptors of the external ocular muscles in rabbits. p. 19
- Svidetskii, G. E. - Effect of sound on the motor activity in chicken embryos. p. 24
- Zamyatkina, K. S., Krutkova, L. V. - Absorption of methionine from the gallbladder in vivo in vitro. p. 28
- Chlop'c', Nor'v'
- AZERBAIJCHAN TIBB ZHURNALI. AZERBAIDZHANSKII MEDITSINSKII ZHURNAL [AZERBAIJAN MEDICAL JOURNAL]. Issued by Azerbaijan SSR Səhiyyə nazirliyi [Azerbaijan Ministry of Health], Baku, vol. 44, no. 4, Apr. 1987.
- Table of contents translated:
- Soviet public health service in the period of restoration of the national economy (1921-1925). p. 3
- Orudzev, i. M., Aliyev, T. A. - State of cholesterol metabolism in diabetes mellitus. p. 12
- Shamsadinakala, N. M. - Angiography of vessels of the small pelvis and its diagnostic possibilities. p. 15
- Odzhakhverdizade, S. R., Giotov, V. M. - Effect of hypothermia on experimental cholesterol atherosclerosis in rabbits; preliminary report. p. 19

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS] Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 1, vol. II, no. 5, May 1967. Razdel [Section] 2, vol. II, no. 5, May 1967. Razdel [Section] 3, vol. II, no. 5, May 1967. Razdel [Section] 4, vol. II, no. 5, May 1967. Razdel [Section] 5, vol. II, no. 5, May 1967. Razdel [Section] 6, vol. II, no. 5, May 1967. Razdel [Section] 7, vol. II, no. 5, May 1967. Razdel [Section] 8, vol. II, no. 5, May 1967. Razdel [Section] 9, vol. II, no. 5, May 1967. Razdel [Section] 10, vol. II, no. 5, May 1967. Razdel [Section] 11, vol. II, no. 5, May 1967. Razdel [Section] 12, vol. II, no. 5, May 1967.

SOVETSKAIA MEDITSINA [SOVIET MEDICINE] Organ of Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, [27], no. 8, Aug. 1963.

Table of contents translated
Antichkov, S.A. - Mechanism of the action of drugs as a biological problem. p. 3.
Parslaninov, L.S. - Prevention and treatment of asphyxiation of the fetus and the newborn. p. 9.
Gol'denberg, N., and others. - Stomach ulcer and duodenal ulcer, a single disease or two different diseases? p. 18.
Bibikova, T.I., Sigidin, T.A. - Resochin therapy of rheumatic fever. p. 22.
Lopushanskii, V.I. - Use of vitamins D and B₁₂ in atherosclerosis. p. 27.
Afanas'ev, I.N. - Prevention of hypotension and collapse in amniotic therapy. p. 29.
Vellkorot'skii, D.A. - Indications and contraindications for surgical treatment in cardiac anemias and selection of the operative technique. p. 32.
Orzhnikov, A.V., Lipovetskiĭ, B.M. - Indications for surgical treatment in stenocardia. p. 36.
Semenov, V.I. - Anesthesia of the respiratory tract. p. 41.
Dobrogaeva, A.F., Shchetinnina, M.Z. - Functional disorders of the liver, stomach, and pancreas in cholecystitis in children. p. 44.
Goldstein, V.D., and others. - Diagnostic value of tuberculin tests in clinical practice. p. 47.
Griigor'ev, P.I.A., Kuklina, N.P. - Chronic hepatitis and cirrhosis of the liver caused by Doin's disease. p. 51.
Dubrovskaya, V.F. - Acid-base equilibrium in tetanus patients during the treatment with curarlike preparations combined with artificial respiration. p. 60.
Nadzhmuddinov, T.Kh. - Current clinical aspects of brucellosis. p. 65.
Savortsev, V.V. - Current problems of dysenterial epidemiology. p. 69.
Ukhov, A.I.A. - Some aspects of typhoid fever epidemiology. p. 72.
Berezov, I.U.E., Stepanian, E.P., Lapin, M.D. - Differential diagnostic value of blood serum protein fractions in diseases of the stomach and esophagus. p. 77.
Kantshelev, P.A. - Clinicohistological comparisons in chronic gastritis and functional disorders of the stomach. p. 81.
Komarov, B.D., Prokubovskii, V.I. - Methodology of angiography in aneurysms of the thoracic and abdominal aorta. p. 85.
Korochikhin, I.M. - Dimethylol treatment of hypertension. p. 89.
Sokolov, D.F. - Some aspects of the organization and planning of surgical aid in an enlarged rural district. p. 94.
Elshtnik, V.L., Kabanovskii, A.N. - Experience at the Chernukhino Rural District Hospital. p. 97.
Kravtsov, A.L. - Atypical course of coronary thrombosis. p. 101.
Sagolov, I.L. - Determination of the sensitivity to streptomycin in pulmonary tuberculosis patients. p. 103.
Matuskov, S.I., and others. - Experience in detecting and treating trichomoniasis in males. p. 109.
Shul'ga, I.U.D. - Use of hypophosphite in chronic kidney diseases. p. 110.
Marshak, A.M., Kulakov, G.P., Mendel'son, M.M. - Use of artificial kidney in a patient with acute renal insufficiency complicated by drug toxicoderma. p. 112.
Koval, V.P., Atlas, I.A.E. - Clarification of the causes of childless marriage. p. 115.
Bogdanova, A.S. - Typhoid fever and scarlet fever. p. 118.
Boldyrov, A.I. - Psychotherapy under anesthetic conditions caused by brucellosis. p. 126.
Kazantsev, N.K. - Treatment with bloodletting of cor pulmonale patients. p. 130.
Pitskhelauri, G.Z., Kiplani, S.P. - Role of industrial dust of asbestos, barite, and lithopone in the incidence of pneumoconiosis. p. 136.
Ablsals. p. 139.
Chikin, S.I.A. - Unsolved problem of health protection of the people in capitalist countries. p. 143.

Vishnevskii, A.A., Shadrin, M.I., Panova, I.U.M. - Clinical aspects and treatment of burn shock. p. 14.
Orik, V.A. - Electrophoretic characteristics of blood serum proteins in burn disease and its treatment with immunohemotransfusions. p. 21.
Kotler, I.I., Panova, I.U.M., Dolgiz, M.I. - Dynamics of C-reactive protein in burn disease. p. 26.
Pitkovskii, D.L., Grudinskaya, I.N. - Cholecystostomy in the treatment of cholecystitis. p. 32.
Shul'man, D.R., and others. - Lesions of the spinal cord in discopathies of the cervical, thoracic and lumbar portions of the spine. p. 36.
Dulolko, K.P., Odintsova, M.P., Demin, D.V. - Effect of hyper- and hypoxemia on the tonus of arterial vessels. p. 44.
Belegovaya, L.A., and others. - Results of examination for toxoplasmosis in patients with otologically obscure diseases. p. 49.
Akhmedov, V.G. - Study of the effect of nicotinic acid and its amide on allergic reactivity of the skin. p. 53.
Moroz, V.U. - Case of successful surgical treatment of sarcoma of the soft tissues of the hip by means of arterioplasty. p. 58.
Gogotskii, T.G. - Effect of triphenyl on arteries of the lower extremities in obliterating diseases, rheovasographic and sphygmographic studies. p. 60.
Kashkova, E.G., Ostrov, S.N., Roznichenko, A.P. - Bactericidal effect of kishinon. p. 63.
Starikova, M.M. - Use of ultrahigh frequency pulse electric field as a new physical factor in acute inflammatory infiltrates and lymphadenitis. p. 66.
Riabchev, E.P., Podunova, L.G. - Characteristics, causes and prevention of traumatism in agricultural workers employed in maintenance and repair. p. 69.
Vishavskii, I.M. - Treatment of acute otitis media with tonsillitis. p. 73.
Sokolov, I.S. - Experience in the treatment of chemical burns of the esophagus. p. 76.
Baryshnikov, A.I. - Selection of the method of inguinal herniotomy. p. 80.
Iurikhin, A.P., Bolkanin, S.P. - Problems of surgical pathology in elderly and senile patients. p. 85.
Tseretian, D.M. - Alloplasty of postoperative and recurrent hernias. p. 89.
Emel'yanov, V.A., Lomachenko, I.N., Sharov, N.A. - Mesenteric-pulmonary internal hernias. p. 92.
Klimchuk, I.G., Batsukh, S. - Appendicitis in children. p. 94.
Zvonkov, N.A., Likhnerman, L.B., Fraerman, A.P. - Clinical and anatomical analysis of lethal outcomes in craniocerebral trauma, combined with fractures and lesions of internal organs. p. 98.
Nikiforov, B.M. - Diagnosis of subarachnoid hemorrhages in women. p. 101.
Griigor'ev, A.V., and others. - Treatment of some acute suppurative diseases associated with diabetes mellitus. p. 103.
Kuznetsov, N.N. - Endocrine function of the pancreas before and after radical operations on the stomach. p. 108.
Messel, M.A. - Some problems of lactics, diagnosis and emergency treatment under conditions of first aid. p. 110.
Andzhelov, G.O., Zolotarevskii, V.I.A., Tverskoi, A.L. - Case of severe anaphylactic shock and clinical death following subcutaneous infection of streptomycin. p. 114.
Volkov, V.V. - Spontaneous ruptures of small intestines. p. 115.
Mashkoltson, A.L. - Clinical and histological classification of precancerous changes of the mucous membrane of the oral cavity and the red border of the lips. p. 118.
Balkova, Z.Z., Sanpitar, I.A., Rudol'fi, V.A. - Serial intravenous functional plethography in the diagnosis of diseases of the venous system of the lower extremities. p. 123.
Vanina, L.V., Soshkina, N.I., Shilova, G.A. - Pregnancy and labor in atelomelia. p. 126.
Morris, M.I., Semenov, G.L. - Differential diagnosis of various forms of stammering. p. 130.
Balabolkin, M.I., and others. - Gynecomastia: a review of the literature. p. 134.
Moskalov, L.G. - Use of paper electrophoresis in the study of blood protein composition in cancer of the stomach. p. 140.
Pridonogin, L.N. - Use of retrosternal novocaine blocks in the treatment of reflex stenocardia in diseases of the gallbladder. p. 141.
Cherchinskaya, I.U.P. - Comparative characteristics of the diagnostic significance of some biochemical indices of the activity of rheumatism. p. 142.
Shuina, N.A. - Comparative characteristics of blood serum proteins in benign and malignant diseases of the lungs. p. 143.
Lancevicius, L.Z., Petrova, K.I., Motekunaitis, E. - Use of corticosteroids in compound treatment of patients with acid and alkali poisoning. p. 144.
Aronovich, B.N. - Capacity for work in Frederick's syndrome. p. 145.

Skvoitsova, N.P., and others. - Abstracts. p. 147.
Barkalan, Z.S. - Conference on the Use of Pyrimidine and Purine Derivatives in Oncology and Other Fields of Medicine, dedicated to the 60th anniversary of A. A. Kronovskii's birth. p. 154.

*SOVETSKOE ZDORAVOOKHRANENIE [SOVIET HEALTH SERVICE] Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 28, no. 4, 1967.

Table of contents translated
Potolov, B.M. - V.I. Lenin's care for the health of people. p. 3.
Selivanov, V.I., Selivanov, F.F. - Struggle of Lenin's medical intelligentsia during the first years of Soviet power. p. 8.
Dantushvskii, S.M. - Lenin's general plan for the development of public health service in the Soviet Republic. p. 12.
Al'ishkevich, B.L., Chervas, D.M. - He treated V.I. Lenin. p. 18.
Shilinskii, I.U.A. - Role of V.I. Lenin's work in the elaboration of the social problems of medicine and public health. p. 21.
Kalin, P.L. - Present-day scientific elaboration of the social problems of medicine and public health. p. 30.
Petrov, B.D. - Results and tasks of studying the history of medicine in the U.S.S.R. p. 38.
Shestov, V.I. - Work of the Administration of the Medical Branch of the Navy within the system of the People's Commissariat of Public Health during the first years of Soviet power. p. 49.
Polianskaya, I.G. - Student dissections in St. Petersburg Medical and Surgical Academy. p. 53.
Gushkevich, V.I., Cherkasov, V.I. - Organization of Soviet public health service in Bulgaria region. p. 59.
Ismailova, G.F. - Dnepropetrovsk Medical Institute, a cueval of the October. p. 61.
Vasil'ev, K.G., Gul'd, F.U. - D.K. Zabolotnyi, one of the first organizers of the Soviet public health service. p. 64.
Pushkin, G.A., Skonometz, N.M. - M.I. Alizerov, a prominent man of the zemstvo medicine in the Urals. p. 67.
Vidun, V.K. - N.I. Dolgopolev, a physician and revolutionary. p. 71.
Significant dates and anniversaries of the history of medicine in 1967. p. 74.
Aleksandrovich, A. - Petrograd Military Revolutionary Committee and problems of public health. p. 80.
In memory of P.T. Prityun. p. 90.
Mol'tovskii, M.P., Gribunov, F.D. - 20th International Congress of Histology of Medicine. p. 94.
"Interogekhnika-60." p. 93.

Vol. 28, no. 5, 1967.

Table of contents translated
Guarding the health of Soviet people. p. 1.
Dushkevich, S.M. - Theoretical problems of economics and planning of public health. p. 7.
Durov, V.I. - Economics of public health. p. 10.
Popov, G.A. - Comparative evaluation of different forms of medical services for the population. p. 15.
Gustlin, S.A. - Experience in rational utilization of beds in hospitals of a rural district. p. 21.
Shefer, L.B. - Determination of the requirements for hospital beds for tuberculous patients. p. 26.
Tzheglov, A.A. - Methodology for calculating the number of admissions in urban hospitals. p. 30.
Zemchenko, I.A. - Our experience in the propaganda of sanitary and hygienic knowledge. p. 34.
Razhenova, G.I. - Effectiveness of different methods of detecting chronic diseases in schoolchildren. p. 39.
Alikhanov, N.S. - Relationship between the fulfillment of the monthly production plan and morbidity among the workers. p. 43.
Chikin, S.I.A. - State and measures of improving the work of departments of social hygiene and organization of public health. p. 45.
Petrov, B.D. - Development of Soviet social hygiene. p. 49.
50 years of Soviet public health, materials for manuals (to be continued). p. 60.
Mirskii, M.B. - Role of the press in the creation of a new system of protecting the people's health during the first years of Soviet power (1917-1920). p. 62.
Sycheva, V.E. - Struggle of the workers of Kuznetsk Basin for health protection during the period of Kolchak administration (May 1918 - December 1919). p. 67.
Important dates and anniversaries of the history of medicine in 1967. p. 69.
Makarov, M.V. - Training and utilization of medical personnel in France. p. 73.
Shchepkin, O.P. - Health of the population and public health service in Nigeria. p. 78.
Khristo Golemanov - Role of the advanced experience of Soviet public health service in the building of socialist public health service in Bulgaria. p. 83.
Sil'va, K.K., Fedina, A.A. - A.S. Podchazhanskii on his 70th birthday. p. 91.

Vol. 30, no. 3, Mar. 1967.

Table of contents translated:
Kravtsov, N.I. - 50th anniversary of Soviet surgery. p. 3.

- Frolova, O. G. - Conference dedicated to the 50th anniversary of Soviet power, p. 93.
 Miloslav Malusek - First Scientific Conference of Historians of Medicine of the German Democratic Republic, p. 94.
 Petrov, P. T. - Kharkov celebrates historical medical events p. 95.

UROLOGIA (UROLOGY) Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 25, no. 3, May-June 1966

Table of contents translated

- New manifestation of great concern for the welfare of the nation, p. 3.
 Abiev, M. B., Tagiev, S. Kh., Zelnalova, V. A. - Development of urology in Azerbaijan during the forty years of Soviet power, p. 6.
 Frumkin, A. P. - Our results in intestinal plastic surgery in urology, p. 10.
 Kaudanskaya, L. M. - Blood platelets in tumors of the urogenital apparatus, p. 18.
 Simonova, V. I. - Rare metastases of hypernephroid cancer of the kidneys as a primary manifestation of the disease, p. 25.
 Muratkin, D. S. - Paths of the spreading of papillary tumors of the kidney pelvis and the calyx, p. 29.
 Poinova, N. G. - Area of cancer development in the prostate gland, p. 33.
 Pogorelov, I. P. - Some data on urolithiasis and methods of its treatment in Uzbekistan during the last five years, p. 35.
 Bulbashev, N. S. - Importance of the location of renal calyces in the formation of stones, p. 40.
 Edina, I. G., Balasov, O. G. - Ultrasonic litholysis, experimental study, p. 45.
 Ginzburg, I. A. Z. - Hemangiomas of the spermatic cord and testicle, p. 52.
 Ushakov, N. T. - Cavernous angioma of the kidneys, p. 58.
 Muradov, M. F. - Rare case of a hypernephroma of a single kidney, p. 57.
 Marinbakh, E. B. - Therapeutic effect of diuretics in metastases of hypernephroma, p. 59.
 Nepochenko, A. Z. - Acute intestinal obstruction due to a semitonoma of an ectopic testicle, p. 61.
 Viner, I. U. L. - Multiple neurofibromas of the epididymis, p. 61.
 Fil'ov, I. S. - Case of a calculus in a dystopic kidney with a rare anomaly in the pelvis, p. 63.
 Shain, L. A. - Resection of a kidney in nephroptosis, p. 64.
 Vozlov, M. D., Asadov, G. Z. - Case of trichostoma, p. 65.
 Alkhet'son, A. I. - Papillary cancer of the urethra, p. 66.
 Shalad, A. L. - New data on the etiology of cancer of the bladder, p. 68.
 Trofimova, Z. A., Votkovich, E. D. - Report on the activity of the White Russian Society of Urologists for 1959, p. 72.
 Zakharova, A. T. - Report on the activity of the Society of Urologists of the Latvian S.S.R. for 1959, p. 73.
 Igron, S. M. - Report on the activity of the Tashkent Society of Urologists for 1959, p. 74.
 Pytel', A. I. A. - Review of I. M. Epshteyn's book "Urology," p. 75.
 Shmukler, B. A. - Review of S. D. Golligorski's book "Shrunken bladder, problems of plastic intestinal surgery," p. 78.
 Pytel', A. I. A., Golligorski, S. D. - Review of J. Cibert and J. Perrin's book "Surgical urology," p. 78.
 General problems of urology. Urinary bladder. Prostate gland, p. 81.
 Dunaevskii, L. I. - In memory of I. I. Efimov, p. 82.
 Chumbaridze, O. G. - Professor E. V. Todadze, on his 70th birthday, p. 82.
 Ibraev, K. I., Iakhtin, B. S. - Professor Z. V. Falnshteyn, on his 60th birthday, p. 94.
 (DNLM)

VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 12, no. 2, Mar.-Apr. 1957.

Table of contents translated

- Sokolov, I. U. N. - Cinematography in X-ray diagnosis of gastric cancer, p. 3.
 Tikhonov, K. B., Kolosov, S. S. - Tomography in the study of vessels of pulmonary circulation in tumors of the lungs and mediastinum, p. 14.
 Gurevich, L. A. - Significance of tomography in the diagnosis of a small peripheral cancer of the lungs, p. 19.
 Sharov, B. K. - Significance of the azygo-hemazygography in the evaluation of the operability of patients with cancer of the lungs, p. 23.
 Marmorshstein, S. I. A., Trakhtenberg, A. Kh., Bidiak, I. V. - Possible errors in the interpretation of azygograms, p. 30.
 Rozenblaukh, L. S., Zubov, N. V., Pogostan, A. S. - Bronchial mucous glands in X-ray image, p. 34.
 Rapis, I. U. D. - Changes in the depth of the stratification of the tomographic layer of the lungs depending on the phase of respiration, p. 38.

- Simpler, I. A., Popov, I. I. - Isolated hypoplasia of a lung lobe and its diagnosis, p. 41.
 Udmal, T. V. - X-ray diagnosis of septic metastatic pneumonia in children, p. 45.
 Guskala, T. K. - Determination of some indices of pulmonary respiration by the electrokymography method (stafidensigraphy) in bronchial asthma, p. 51.
 Maslov, S. S. - X-ray diagnosis atypical coelomic cysts of the pericardium, p. 56.
 Mustrova, A. V., Grigorlan, E. A., Shlykov, G. V. - Significance of the tomography of vessels and the left auricle in the diagnosis of cardiac defects, p. 64.
 Radushkevich, V. P., and others. - Some changes in the X-ray picture of the heart and pulmonary circulation following electric defibrillation in mitral defects, p. 69.
 Romashov, F. N., Abramishvili, G. G., Golonko, R. R. - X-ray diagnosis of defects of the interauricular septum in the light of studying hemodynamics and surgical treatment, p. 75.
 Grich, I. G. - Large-photograph fluorography in the diagnosis of urolithiasis, p. 80.
 Izakson, V. B. - Frequency of the use of roentgenography in X-ray office of the general therapeutic network, p. 84.
 Adel'finskii, V. A., Voronov, E. N. - Partial automation of direct vision prints on X-ray apparatus ARD-2 - 110 K4, p. 86.
 Sukovatykh, L. S., Krasnikov, I. N., Gaviuk, V. N. - Automatic device for direct tymphography of the extremities, p. 88.
 Bandalov, B. N., Rubanovich, G. L. - Results of using lidocaine in bronchography, p. 89.
 Lukhtenshtein, A. O., Ankeev, P. D., Iabonskaya, R. A. - Technique and methodology of bronchography under intubation anesthesia, p. 90.
 Aikun, F. P. - Some problems of the methodology of bronchography in children, p. 93.
 Rybakova, N. I., Tikhonova, L. P. - Case of simultaneous development of two primary cancers of the lung in a patient, p. 95.
 Butachenko, G. A., Grigorlan, G. O. - X-ray diagnosis of military carcinomatosis of the lungs, p. 98.
 Borisova, N. K., Spasskaya, P. A. - Gunshot wound with a prolonged stay of a foreign body in pulmonary tissue, p. 101.
 Lantsman, I. U. V. - Contrast radiography of vascular tumor of the spinal cord, p. 104.
 Viktor, Adolfovich Kluge, on his 70th birthday, p. 107.
 David Iakovlevich Bogatin, on his 70th birthday, p. 107.

*VOENNO-MEDITSINSKII ZHURNAL [JOURNAL OF MILITARY MEDICINE]. Issued by Voenno-meditsinskoe upravlenie Ministerstva obrony SSSR [Military Medicine Administration of the Ministry of Defense of the U.S.S.R.]. Moscow, no. 3, Mar. 1957.

Table of contents translated

- Golitsyn, P. I., Grunin, I. I. - Navy medical corps to give a dignified welcome for the 50th anniversary of Soviet power, p. 3.
 Oshetovskii, I. U. N., Danilov, A. P. - For Communist labor, p. 5.
 Women medics of the army and navy prepare a dignified welcome for the glorious anniversary, p. 8.
 Gavrilov, O. K. - Transfusion of blood and blood substitutes at regimental medical aid station and medical battalion, p. 10.
 Setivanov, I. V. - Some problems of primary training of medical officers at the academy, p. 14.
 Chistovich, A. N. - Some infectious complications in surgical diseases and diseases of the hemopoietic system, p. 20.
 Aleksandrov, L. N., Dyskin, E. A., Ozerovskovskii, L. B. - Dependence of the character of combat injuries on the changes in the caliber of firearms, p. 23.
 Ivanov, F. I. - Clinical organizational problems in psychogenic diseases, p. 27.
 Flinchenko, P. E. - Etiopathogenesis and treatment of functional aphonia, p. 29.
 Broches, L. I., Emelin, I. U. A. - Changes in the cardiovascular system following overexertion, p. 32.
 Polshchuk, I. M., and others. - Epidemiological, clinical and laboratory study of group morbidity of adenovirus nature, p. 35.
 Bodarev, V. Kh., Radzinskii, A. G. - Some criteria of the stability of clinical cure in focal forms of tuberculosis in sovietmen, p. 38.
 Oreshkin, P. P., Novikov, F. G., Batanov, F. I. - Bilateral resection of lungs in tuberculosis, p. 42.
 Borachevskii, I. A. - Biological effect of ultrasonic vibrations, p. 45.
 Senkevich, P. I. - Evaluation of environmental air pollution in ship premises by determining the oxidizability of the air, p. 51.
 Znamenskii, V. A., Vishniakov, A. K. - Etiology of Far Eastern scarlatinal fever, p. 52.
 Osipian, V. T. - Disinfection by means of a mixture of ethylene oxide and methyl bromide and some aspects of its use in military hygiene, p. 56.

- Afanas'ev, B. G., and others. - Effect of environmental air on indices of peripheral blood in rural specialists, p. 60.
 Chernakov, I. N., Maksimov, I. V. - Dehydration of human body in high altitudes, p. 62.
 Tukhvatullin, Sh. G., Kuznetsov, D. N. - Military pilotile education of academy students, p. 65.
 Ezhkin, N. A., Afonin, P. D. - Methodology of exercises in the evaluation of radiological situation, p. 69.
 Shakhovenko, G. V., Bondarenko, V. L. - Loading and transport of medical equipment on AN-2 airplanes, p. 71.
 Trushin, A. A. - Some measures to decrease otitis media morbidity in units, p. 74.
 Ankin, L. N. - Diagnosis and treatment of injuries to the lateral ligaments of the talocrural joint, p. 75.
 Tushin, A. D. - Clinical aspects and diagnosis of neurotic reactions, p. 78.
 Ter-Akopov, G. K., Mutadava, K. I. - Biodynamic curations in the treatment of lumbosacral radiculitis, p. 78.
 Shovlov, I. P. - Emptying the urinary bladder in patients with trauma of the spinal cord, p. 80.
 Logvinenko, G. L., and others. - Abstracts, p. 82.
 Egorov, A. V., Mazin, A. N. - Small size acceleration transmission of human ballistocardiogram in acceleration (transmitter of a creoleton cardiogram), p. 89.
 Lishchinskii, B. D. - Simultaneous apnea-oxyhemography, p. 90.
 Potutov, B. M. - Organization and development of public health in the first years of Soviet power: 1917-1924, p. 92.
 Katyshev, P. I., Pastukov, Y. V. - Solemn meeting in memory of Z. P. Sotov'ev, on the 90th anniversary of his birth, p. 94.
 In memory of Petr Ivanovich Egorov, p. 95.

No. 4, Apr. 1967

Table of contents translated

- Never stop party political work in military medical installations, p. 3.
 Salapinskii, T. V. - Medical workers, heroes of the Soviet Union, p. 7.
 Lobkov, V. I., Gotliberg, E. V. - Medics of an advanced aviation unit, p. 11.
 Lapsheva, I. I., and others. - Some problems of medical service for a motorized rifle company in defence combat, p. 15.
 Gushakov, A. A. - Evacuation of wounded and sick from vessels of the navy and merchant marine by means of helicopters, p. 17.
 Petrov, I. R., Iarokhina, N. I. A. - Increase of the resistance to ultraviolet frequency radiation under the effect of systematic muscular activity, p. 20.
 Kotesnik, E. A., Maizhev, V. M. - Clinical aspects of acute lesions caused by ultraviolet frequency electromagnetic waves, p. 21.
 Ar'ev, T. A. - Wounds, burns, frostbites, p. 23.
 Kotker, I. I. - Some problems of the pathogenesis of burn disease, p. 27.
 Klementov, A. V. - Chemical burns of the face, p. 32.
 Kompanets, V. S. - Burns of the tympanic membrane caused by aviation fuel, p. 34.
 Ogtenko, V. S. - Prevention and treatment of postburn cicatricial contractures, p. 35.
 Sorokin, E. A., Berlin, I. U. U. - Identification tag of a patient with burn shock, p. 38.
 Popov-Ianin, R. S., Sysoev, M. M. - Eye diseases in thermal burns of the face, p. 39.
 Pekshev, A. P. - Clinical aspects and treatment of urogenital and intestinal achilosisomiasis, p. 40.
 Tarasov, V. N., Perovskii, A. G. - Current problems of specific prevention of virus infections, p. 46.
 Noskov, F. S., and others. - Study of the reproduction of the type-2 parainfluenza virus by means of the fluorescent antibody technique, p. 52.
 Vorontsov, I. V., and others. - Study of the reactivity and effectiveness of aerosol immunization with pulverized bivalent vaccine against typhoid fever and tetanus, p. 55.
 Dolevianko, E. A., Kuznetsov, V. G. - Methodologies for creating in pilots artificial illusions of spatial position during flights in pitotage stimulants, p. 60.
 Viadov, M. D., Kavyratin, I. A., Raev, S. F. - Some pathophysiological mechanisms of decreased tolerance of flights and examinations in pressure chamber, p. 64.
 Varnakov, O. V., Senkevich, P. I., Rybkin, P. P. - Some problems of living accommodations on a ship cruising in tropical latitudes, p. 66.
 Smirnov, I. U. P. - Training of surgical brigades for service on submarines, p. 69.
 Kuz'minov, V. K. - Problems of the scientific organization of the work of the medical personnel in hospitals, p. 71.
 Kolosov, D. Z., Dmitrov, V. S. - Causes of sudden lethality in elderly persons, p. 74.
 Kurbatov, A. I. - Lesions of the locomotor apparatus in burns, p. 78.
 Susorov, N. A. - Burns of the eye, p. 77.
 Bogatyrev, M. F. - Late results of the treatment of perforating peptic ulcer, p. 80.

- Nikolaev, I. B. - Experience in the organization of diet nutrition in construction units. p. 81.
- Vasil'kova, E. A. - Treatment of complicated caries using diathermy coagulation. p. 81.
- Klitsnevich, G. N. - Deep lesions of integuments caused by boiling water burns. p. 82.
- Sidorov, V. I. - Significance of sanitary education in the prevention of spring and summer occurrences of tick-borne encephalitis. p. 82.
- Shahov, M. I., Sugonlaev, V. S. - Mobile table with a kit for reanimation. p. 83.
- Stoliarov, V. R., and others - Cumulating attachment and chain for electrocardiographic examination of persons with the VEKS-OI apparatus. p. 84.
- Golikov, A. P. - First All-Union Congress of Cardiolgists. p. 88.
- Bogomolov, S. A. - Second Scientific Conference on Anesthesiology and Resuscitation. p. 81.
- Mednikov, I. A. M. - Scientific Conference of Physicians of the Volga Valley Military District. p. 94.
- ZDOROV'YE [HEALTH]** Issued by Ministerstva zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R. and the R.S.F.S.R.]. Moscow, vol. 13, no. 6 (1967), June 1967.
- ZDRAVOOKHRANENIE [HEALTH SERVICE]** Organ of Ministerstva zdoravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol. 10, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Gekhtman, M. I. A., Kant, V. I. - Correction of indices of medical service to the population. p. 3.
- Iarovol, P. I., Tsyra, N. R. - "Day of Health" in Moldavia. p. 6.
- Rolman, U. M. - Some indices of expertise of the capacity for work in the workers of Kishinev Textile Plant with diseases of the peripheral nervous system. p. 8.
- Khavronia, K. I. - Village soviet and public health experience in the work of Yatoveny village soviet. p. 10.
- Stamallu, S. I. - Restoration of the cruciform ligaments of the knee joint using the tendon of the musculus quadriceps femoris and the ligament of the patella, experimental clinical study. p. 13.
- Chobanu, P. I. - Experimental homoplastic reamputation of the leg stump, X-ray study. p. 18.
- Tsybatnik, S. N. - Diagnostic value of the reaction with cock and ram erythrocytes in epidemic hepatitis. p. 20.
- Shapiro, I. A., Pinsker, V. S., Iashinskaya, L. N. - Content of potassium and sodium in the blood serum of patients with Botkin's disease. p. 22.
- Kladar, I. N. - Some histochemical characteristics of pulmonary connective tissue in untreated experimental tuberculosis. p. 25.
- Shebekova, S. V. - Experience in diagnostic use of radiophosphorus in otolaryngological oncology. p. 28.
- Grigorian, V. G., Kiroshka, I. Z. - Determination of total acid concentration in the blood by means of the chemical method. p. 31.
- Vozniuk, I. A., Antocanu, V. A. - Significance of intravenous cholangiography in the diagnosis of diseases of the biliary tract. p. 34.
- Babin, A. V. - Division of nervous impulses based on amplitude and their automatic computation. p. 38.
- Bytka, P. F. - Surgical treatment of chronic arterial obstruction, a review of the literature. p. 40.
- Degtiarev, V. P. - Experience in the use of purified tuberculin in standard dilution in Lazo District of the Moldavian S.S.R. p. 44.
- Lyskov, A. V. - Use of sodium chloride in care for the residue of the umbilicus. p. 47.
- Gudomak, V. S. - Homogenizator for crushing of tissues. p. 50.
- Mintianu, I. F., Iushkevich, L. S. - Modification of the tube of RUM-7 apparatus for the irradiation of malignant neoplasms in the oral cavity. p. 50.
- Zarta, K. I. - Experience in the struggle for sanitary improvement in a district. p. 52.
- Klimauskaya, S. - Prevention and control of hemorrhages during labor in Bel'tay maternity hospital. p. 53.
- Bredner, A. G. - Psychopathology of poisoning with hexachloran. p. 55.
- Kalinskii, S. I., Gulla, L. I. - Pulmonary hamartoma. p. 57.
- Zorkin, A. A., Kurtser, B. M., Iarovol, A. I. - Some methodological aspects of the reactivity of the body. p. 59.
- Zikeev, P. D. - Medical service in the Danube Army in the period of its formation. p. 63.
- B. GYNECOLOGY, OBSTETRICS & PEDIATRICS**
- PEDIATRIA [PEDIATRICS]** Published by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 45, no. 5, May 1966. (DNLN)
- VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MATERNAL AND CHILD CARE]** Issued by Ministerstvo zdoravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 12, no. 5, May 1967.
- C. NEUROLOGY & PSYCHIATRY**
- *ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]** Issued by Vsesoyuznoe obshchestvo nevropatologov i psikiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol. 67, no. 4, 1967.
- Table of contents translated:
- Shmidt, E. V. - Combined atherosclerotic occlusive lesions in the carotid and vertebral systems. p. 481.
- Gabashvili, V. M. - Characteristics of the distribution of the pulse wave in cranial vessels in pathology of the main cerebral arteries. p. 488.
- Matkovskii, I. U. A. - Relation between the reaction of cerebral and extracranial vessels. p. 491.
- Dogiyev, I. U. V., Bragha, L. K., Nikitin, I. U. M. - Total supra-aortic angiographic methods to examine the main cerebral vessels. Report No. 1. Avtilyay method. p. 496.
- Elkhov, I. S. - Innervation of intracerebral vessels under normal conditions and in disorders of cerebral blood circulation. p. 500.
- Kvifala, V. - Isotope circulography in diseases of cerebral vessels. p. 503.
- Znamenskaya, T. V. - Visual disorders in obstructing infarcts of the brain. p. 507.
- Met'nik, E. M. - Determination of the rate of visual perception in vascular diseases in elderly persons. p. 511.
- Kamenetskii, V. K. - Diagnostic significance of ophthalmodynamometry in disorders of cerebral blood circulation. p. 514.
- Drobinskii, A. D., Patamanchuk, G. S. - Blomteroscopes of conjunctival vessels in early diagnosis of cerebral atherosclerosis. p. 518.
- Mokhova, T. M., Senina, L. I. - Electric manifestations of the brain in thalamic syndrome with focal vascular lesions. p. 521.
- Berditskii, M. I. A. - Dynamic control of intracranial pressure based on the observation of spontaneous pulse of the central retinal vein. p. 529.
- Bogolebova, I. N. - Changes in the cellular composition of the human hypothalamus in ontogeny. p. 534.
- Khudzyev, D. - Effect of emphysema on the cerebral and peripheral blood flow in insulin, theocinephalography and oseltography study. p. 538.
- Blotkov, V. M. - Clinical psychopathological classification of dementia of vascular genesis. p. 543.
- Plutko, K. S., and others - Clinical and pathoanatomical characteristics of vascular changes in Pick's disease. p. 546.
- Biedney, A. G. - Differential diagnostic significance of clinical characteristics in the initial stage of Pick's disease and Alzheimer's disease. p. 549.
- Shumskii, N. G., Morozova, T. N. - Clinical aspects of involutional melancholia; catamnestic study. p. 554.
- Morozova, T. V. - Spatial synchronization of α -activity in the cerebral cortex in old-age psychoses. p. 560.
- Lethovich, F. A., Rokhina, M. L. - Clinical and electroencephalographic studies in patients with old-age manic-depressive psychoses. p. 568.
- Cracium, E., Maros, V. - Neuromorphological changes in the process of aging. p. 572.
- Glezer, I. I., Iakobson, I. S. - Histochemical and electron microscopical data on the effect of stelazine on the brain in white rats. p. 576.
- Zavidovskaya, G. I., Rodionov, I. A. - Study of the therapeutic effect of the antidepressant preparation surmontol (trimepridin). p. 584.
- Skal'nyi, V. V. - Experience in the treatment of mental patients with lack of appetite. p. 588.
- Zhalman, A. I. A. - Treatment of some neuropsychic diseases in Kislovodsk sanatoriums. p. 588.
- Matushek, Miloslav - Ladislav Jilskovec, the founder of Czechoslovak neurology. p. 592.
- Markov, D. A. - Development of neuropathology in the White Russian S.S.R. during the year of Soviet power. p. 594.
- Raudan, E. I. - Development of neurology in the Estonian S.S.R. p. 597.
- Fedorov, D. D. - Psychiatric service in the R.S.F.S.R. during 50 years. p. 599.
- Delongov, F. F., and others - 50th anniversary of psychiatry in Uzbekistan. p. 601.
- Lunis, D. R. - Forensic psychiatric significance of psychic anomalies which do not exclude legal capability; concerning S. F. Semenov's article "Problem of limited (deceased) legal capability." p. 605.
- Shkval'skaya, I. K. - Vascular diseases of the brain, statistic and epidemiologic comparisons; a review of the literature. p. 608.
- Dudriev, B. - Place of psychiatry in the classification system of natural and medical sciences. Correlation of social hygiene and mental hygiene. p. 613.
- Akhutin, E. A. - Index of books on neuropathology, psychiatry, and related disciplines received in the State Central Scientific Medical Library during January 1967. p. 624.
- Melikhov, D. E. - 4th International Congress of the World Federation of Occupational Therapists in London. p. 627.
- Tels, I. S., Khaitonov, R. An. - All-Russian Scientific Conference on Pediatric Psychoneurology; Leningrad, January 18-20, 1966. p. 630.
- Mikhail Giger'evich Gold'el'man, on his 60th birthday. p. 635.
- El'm L'vovich Bel'man, on the 60th birthday. p. 636.
- *ZHURNAL VYSSHEI NERVNOI DEIATEI'NOSTI [JOURNAL ON HIGHER NERVOUS ACTIVITY]** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Luria, A. R., Sokolov, E. N., Klimovskii, M. - Some neurodynamic mechanisms of memory. p. 105.
- Naumova, T. S., Popova, N. S. - Dynamics of the latent period of primary evoked responses in the process of development of conditioned reflexes in dogs. p. 202.
- Mukhlina, R. S. - Local propensities, spreading impulse and closing of temporary connection. p. 212.
- Ivanova, N. G. - Role of defence excitation in the extinction of avoidance reflexes. p. 221.
- Polikhanina, R. I., Sergeeva, L. N. - Development of extirpative inhibition in infants during early ontogeny. p. 228.
- Vavilova, N. M. - Effect of excitation of the amygdala on conditioned alimentary motor reflexes during ontogeny in dogs. p. 240.
- Kostenetskaya, N. A. - Manifestation of pathological explosiveness caused by excitation of hypothalamic structures. p. 249.
- Zaval'd, R. G. - Mechanism of the development of conditioned inhibition during ontogeny in dogs. p. 256.
- Rudenko, I. P. - Significance of the quality of reinforcement for conditioned response activity. p. 264.
- Baleev, A. S. - Role of the anterior parts of the cerebral cortex in the interanalysis integration in white rats. p. 271.
- Blank, V. L., Aramonova, L. A. - Significance of paired function of the cerebral hemispheres for the analysis of a moving stimulant. p. 280.
- Supin, A. I. A. - Some mechanisms of the rhythmically of the electrical activity of the cerebral cortex. p. 297.
- Tolmashkaya, T. S. - Cortical localization of afferent visceral functions and their relations with non-specific systems of the brain. p. 295.
- Il'inskiy, V. A. - Effect of the frequency of rhythmic photic excitations on the harmonic composition of the reaction of rhythmic adaptation by the human brain. p. 304.
- Chizhonkova, R. A. - Role of diffuse brain formations in electroencephalographic reactions of the rabbit to a constant magnetic field and electromagnetic fields of ultrahigh and superhigh frequencies. p. 313.
- Polikhanina, A. G. - Evoked activity in the parietal associative cerebral cortex in cats. p. 322.
- Il'ichonok, R. I. U., El'sova, A. G. - Cholinergic mechanism of the emotional reaction of fear. p. 330.
- Starobinets, M. Kh. - Stable polarization potentials of the human brain during wakefulness, narcosis and sleep. p. 338.
- Gorgiladze, G. I., Smitinov, G. D. - Effect of vestibular stimulation on the neuron activity of the visual cortex in cats. p. 345.
- Obukhova, G. P. - Rotations of the lateral geniculate body with the cerebral cortex in dogs and cats. p. 353.
- Tushmalova, N. A. - Conditioned reflexes in Balkan Planaria podoplasma olivacea K. following injection of ribonuclease. p. 359.
- Gromova, K. I., Lovchikov, V. A. - Quantitative characteristics of phase relations in dogs with different properties of conditioned response activity. p. 362.
- Dl'mkov, S. M., Karasova, T. A. - Rate of motor response to acoustic signals of different duration following unilateral lesion of the cortical part of the auditory analyzer. p. 366.
- Khannashevili, M. M., Vasilovskii, N. N., Burakova, N. S. - Cellular activity of neuronally isolated cortex in a chronic experiment. p. 368.
- Moshkov, A. M., Moshkov, M. M., Myslobodskii, M. S. - Ten-channel attachment to a phasic stimulator. p. 371.
- Klochkov, A. M., Sergeeva, L. I., Elkin, P. A. - Comparative evaluation of potential characteristics of the encephalogram. p. 374.
- Gorshun, G. V. - Letter to the editors. p. 381.
- ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN]** Issued by Ministerstvo zdoravookhraneniia Kazakhskoi SSR [Ministry of Health of the Kazakh S.S.R.]. Alma-Ata, vol. 27, no. 5 (254), May 1967. (DNLN)

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

SYMPOSIUM ON THE PHYSIOLOGY OF OPHTHALMOLOGY. Published by the Ministry of Health of the U.S.S.R. Moscow, 1967. 112 p.

- Bashova, V.V. - Dysmorphic hyperplasia of breast lobules (mammary) and its outcome. p.12.
- Bakko, A.G., Nekskaya, E.N. - Relationship of carcinoma-areoma of the breast with giant fibroadenoma and mastopathy. p.17.
- Apiteno, A.K. - Syringadenoma. p.22.
- Vasilukh, I.V. - Histogenesis of gastric cancer. p.31.
- Ishchkin, B.G. - Histochemical characteristics of simple, proliferating and malignant adenomatous polyps of the stomach. p.36.
- Lyubskaya, G.A. - Reaction of methylene blue test in differential diagnosis of some tumors with myxomatous component. p.40.
- Olovina, V.A., Shlang, N.B. - Activity of iodide peroxidase of thyroid gland changed by goiter. p.42.
- Donskaya, L.V., Smolinskii, B.L. - Correlations between the functional and morphological properties of the stomach and the character of cholinesterase distribution in its mucosa during the aging of the organism. p.46.
- Chernin, V.V. - Role of the nervous system in the development of experimental hepatitis. p.50.
- Gupilo, E.E. - Early histochemical changes in the liver in young rats in protein-choline insufficiency. p.53.
- Gul'dart, N.N. - Granulomas of the wall of the appendix. p.58.
- Samsonov, V.A., Severova, M.M. - Pathomorphology of the vascular system of renal pelvis in atherosclerosis and hypertension. p.63.
- Polykhovskii, T.S. - Congenital multiple rhabdomyoma of the heart. p.67.
- Alkiseva, L.P., Telegin, V.N. - Case of lipoid necrobiosis of the skin. p.69.
- Ievenson, O.S., Slavutskaya, F.M. - Aortitis in rheumatoid polyarthritis. p.72.
- Karvaev, M.P. - Case of isolated lymphogranulomatosis of the transverse colon. p.76.
- Isnerling, A.V., Shastina, G.V. - Detection of pyogenic Escherichia coli serotypes in tissues by means of fluorescence microscopy. p.78.
- Drakhi, E.I.A. - Methodologies of using ultrasound in accelerated histological study of tissues. p.81.
- In memory of Dmitrii Vasil'evich Khovanskii. p.84.
- In memory of Ljudmila Nikolaevna Kammer. p.95.

Vol. 29, no. 4, 1967.

- Table of contents translated
- Khavkin, T.N. - Tumorplasmosis in adults. p.3.
- Dvorakovskaya, I.V. - Transitory cellular papillomas of the nose and its accessory sinuses. p.13.
- Takov, R.G. - Histological changes in the respiratory part of the lungs in chronic emphysema. p.18.
- Reizls, M.G. - Quantitative study of acid mucopolysaccharides of the articular appendage in rheumatism. p.24.
- Goncharova, L.S. - Pneumocystic pneumonia. p.29.
- Gusman, B.S. - Immunomorphology of respiratory virus infections in children. p.33.
- Avandilov, G.G. - Age-related dynamics of the content of trace elements in normal and in atherosclerosis-affected portions of the human aorta. p.40.
- Pertsovskii, A.I., Gotslavskii, L.I. - Characteristics of the course of experimental atherosclerosis in guinea pigs under the effect of some additional factors. p.43.
- Pania, L.E. - Atherosclerotic changes in the vessels of rabbits in disorders of the hormonal regulation of carbohydrate-lipid metabolism. p.47.
- Narodetskaya, L.N. - Histological changes in the thyroid gland in de Quervain's thyroiditis. p.50.
- Klem, E.G., Krishkul, A.I.A. - Weight of the human stomach. p.53.
- Chumakov, T.G. - Histochemical characteristics of senile degeneration of the internal elastic membrane of intramural arteries of the myocardium. p.58.
- Alekseev, V.P. - Materials for X-ray planimetric study of atherosclerotic changes in the aorta and coronary arteries in residents of Yakutsk. p.63.
- Pavlova, M.M. - Desmoplastic fibroma of the bones. p.67.
- Kaliteevskii, P.F., Rivkin, V.L., Slavin, I.U.M. - Cancer of the vermiform process in a 10-year-old youth with diffuse polyposis of the rectum and large intestine. p.70.
- Popova, N.I. - Rare case of intrauterine diffuse sclerosis of the arteries associated with their calcinosis. p.72.
- Khitrin, L.Kh. - New methodology for accelerated posthumous intracranial fixation of the brain. p.75.
- Shafarova, V.P. - Method for evaluating the functional characteristics of a vessel. p.76.
- Dzhali Iusufovich Guseinov, on his 70th birthday. p.84.
- (DNLM)

PATOLOGICHESKAYA FIZIOLOGIYA I EKSPERIMENTAL'NAYA TERAPIYA [PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY]. Issued by Ministerstvo zdoravokhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 11, no. 2, May-Apr, 1967.

- Table of contents translated
- Gorev, N.N. - Experimental study of the pathogenesis of arterial hypertension in work of Soviet scientists. p.3.
- Uzhanski, I.A.G., and others - Erythropoiesis and hemodynamics. p.11.
- Ovin, I.A., and others - Characterization of the development of the exudative phase of aseptic inflammation in adrenomedullary animals. p.16.
- Vasilushina, I.U.V., Pustorova, N.L. - Effect of prolonged stay in mean physiological and adaptive human adaptation in vertical position. p.21.
- Shelkovich, I.A. - Changes in oxygen tension in the cortical layer of the adrenal glands under the effect of different stimulants on the body. p.26.
- Ranjan, I.U.L. - Correlation of oxygen tension in normal tissues and in spontaneous tumors under normal conditions, in regional anoxia and general hypoxia. p.30.
- Lindebraten, V.D. - Comparative evaluation of oxygen consumption in fever and hyperthermia. p.34.
- Ashechenova, E.N., Shalykova, O.P., Logovskaya, L.I. - Dynamics of oxygen consumption by the myocardium in cardiac arrest experiments with artificial blood circulation under normal temperature conditions and in hypothermia. p.37.
- Chernak, V.V. - Pathogenesis and treatment of anemias. p.41.
- Gurshchik, I.S. - Anaphylactic reaction of depolarized smooth muscle. p.45.
- Saf'manovich, V.S. - Cardiac and hemodynamic in hyperkalemia created under conditions of an intact organism. p.49.
- Podzol, L.K., Botolova, N.I., Karavina, N.P. - Comparative study of carcinogenesis of the liver in male and female rats under the effect of dimethyl nitrosobenzene in various nutritional conditions. p.55.
- Korotkaya, T.I. - Changes in the hematopoiesis in dogs in acute renal insufficiency caused by histamine transfusion. p.59.
- Galkin, Kh.L. - Study of allergens from domestic dust for the diagnosis of bronchial asthma. p.62.
- Mhervin, S.M., Prochenko, P.Z. - Effect of sheep coccyx allergen on the course of anaphylactic shock. p.63.
- Polushkin, B.V. - Relation of state of the Widal reaction to mastocytosis. p.65.
- Khayev, O.V. - Some biochemical indices of the blood under the effect of fibrinolytic in rabbits with experimental cholesterol atherosclerosis. p.67.
- Bubakina, M.S. - Effect of the removal of lacrimal (extraorbital) glands on mineral metabolism in the affected tissues according to indices of Ca^{45} incorporation. p.69.
- Iakhi, T.A. - Epileptic seizures in experimental hypertension. p.70.
- Kudachenko, K.I. - Effect of salt alkaline mineral water on the antitoxic functions of the liver in animals poisoned with carbon tetrachloride. p.71.
- Romendik, L.M. - Changes in the water-electrolyte balance in experimental pathology of the kidney in rats. p.72.
- Svoshnikov, A.A., Korotkaya, T.V. - Mechanism of the inhibition of inflammatory reaction during anesthesia. p.74.
- Zakhar'yevskii, V.B., Stochkov, V.N., Chelobutskaya, E.S. - Use of low-inertia heat-conducting material in measuring the coronary blood flow in dogs under conditions of a chronic experiment. p.76.
- Arkhypov, G.N. - Universal cage with an external feeding device for keeping small laboratory animals in a vivarium. p.79.
- Shats, V.I.A. - Blood coagulation system and hemostatic mechanisms. p.81.
- Uzhanski, I.A.G. - Some problems of pathophysiology at the III International Congress of Hematology and Blood Transfusion. p.86.
- Rapoport, I.A.L. - Ludwig Aschoff on the centennial of his birth. p.91.
- Academician of the Academy of Sciences of the U.S.S.R. Ian S.S.R., V.P. Koudsarskaya, on his 60th birthday. p.93.
- T.G. Pashov, 1910-1966. p.94.

TERAPEVTICHESKII ARKHIIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdoravokhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 38, no. 7, July 1967.

VOPROSY EKSPERIMENTAL'NOI ONKOLOGII [PROBLEMS OF EXPERIMENTAL ONCOLOGY]. Issued by Kievskii nauchno-issledovatel'skii institut eksperimental'noi i klinicheskoi onkologii [Kiev Scientific Research Institute of Experimental and Clinical Oncology]. Kiev, no. 2, 1966.

Table of contents translated

Kavelskii, R.E., Sidork, E.P., Khat'kovskaya, I.M. - Relationship of carcinogenic properties of chemical compounds to intermolecular transmission of electrons. p.5.

PATHOLOGY & THERAPEUTICS

ARKHIIV PATOLOGII [ARCHIVES OF PATHOLOGY]. Issued by Ministerstvo zdoravokhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 29, no. 1, 1967.

Table of contents translated

Dobson, P.P. - Biostimulant properties of industrial and their compounds. p.3.

- Pitchuk, V. G., Zotikov, L. A., Monastyrskaya, B. D. - Ultrastructural cytochemistry of nonspecific phosphomonoesterases during the development of experimental hepatoma. p. 17.
- Dykorez, A. I. - Effect of hepatocytotoxic sera on the course of carcinogenesis induced by p-methylaminazobenzene in the liver in rats. p. 28.
- Lanyshova, N. I. A., Balenko, N. V., D'lakonova, N. K. - Experimental reproduction of pulmonary cancer in rats by means of intratracheal introduction of 1,2,5,6-dibenzanthracene. p. 38.
- Matyenko, A. G. - Experimental tumors of the urinary bladder in dogs caused by beta-naphthylamine. p. 42.
- Kharichenko, N. T. - Genesis and development of induced tumors in white rats following prolonged nociceptive stimulation of the sciatic nerve. p. 19.
- Folov, A. F. - Effect of influenza virus on the genesis of tumors in animals following administration of urethane. p. 52.
- Bulenko, Z. A., Gluzman, D. F., Voloboeva, A. A. - Morphological and cytochemical study of hemopoietic elements in rats subjected to the effect of RNA isolated from leukemic tissue. p. 60.
- Shecherbinskaya, A. M. - Correlation of polyoma viruses with cells of tissue culture of mongrel mice. p. 70.
- Ruchkovskii, B. S., Radolitskaya, L. S., Dink, S. N. - Heterotransplantation of the cellular strain F-9. p. 76.
- Shuklinov, V. A. - Electron microscopic study of primary trypsinized cell culture. p. 81.
- Partenova, M. S. - Experience in obtaining tissue cultures from Brown-Pearce carcinoma. p. 90.
- Boritskiy, I. U. P. - Content of 3,4-benzopyrene in the smoking products of some brands of tobacco items. p. 93.
- Guslitsers, L. N. - Role of ultraviolet radiation in the genesis of skin cancer. p. 97.
- Pustogarov, G. A. - Role of mechanical stimulation of tissues in the process of the development of sarcomas induced by polycaprolactam. p. 101.
- Samundzhian, E. M. - Functional state of the adrenal cortex in the development of induced tumors. p. 109.
- Kavsan, V. M., Karavayeva, N. S. - Functional state of the adrenal cortex in rats in the development of transplantable tumors. p. 117.
- Bucovskii, A. V. - Functional state of the adrenal cortex and antineoplastic immunity in rabbits. p. 122.
- Shlachak, S. M. - Development of induced multiple malignant tumors of the mammary glands. p. 120.
- Akimova, R. N., Kulik, G. I. - Some biochemical and functional characteristics of the blastomeres of the thyroid gland in golden hamsters caused by 6-methyluracil. p. 133.
- Apletova, N. N. - Functional state of the thyroid gland in cancer of the stomach. p. 141.
- Bezverslenskii, I. A., Potenko, M. G. - Some characteristics of the effect of cortisone on the energy metabolism of ascitic tumors. p. 149.
- Iakimenko, L. V. - Changes in the basic reactions of energy metabolism of tumorous tissue subjected to the effect of iron electrophoresis and X-ray irradiation. p. 153.
- Sopotinskaya, E. B. - Changes in endogenous hepatic and its role in protective antineoplastic reactions in the body. p. 165.
- Sivitskii, I. V. - Changes in the activity of enzymes in rabbits following the transplantation of Brown-Pearce carcinoma. p. 172.
- Zaitseva, I. V., Shafran, L. M. - Study of biochemical properties of blood proteins and opiorin and complement activity in animals with Brown-Pearce carcinoma. p. 176.
- Kamenets, I. A. - Changes in the protein fractions of blood serum and basal metabolism in the pre-tumorous period of the development of induced neoplasms. p. 180.
- Seridonenko, A. D. - Nuclease activity of cell fractions of Guerin's carcinoma. p. 184.
- Antonuk, R. D. - Study of antineoplastic antibodies in the autochthonous host. p. 190.
- Gudim-Leykovich, K. A. - Use of immunofluorescence in the study of accumulation of antineoplastic antibodies of immune sera in tumors. p. 193.
- Zatula, D. G. - Antineoplastic immunization of animals. p. 199.
- Struk, V. I. - Nonspecific factors of immunological reactivity in intracutaneous antineoplastic immunity. p. 205.
- Fridatko, O. E., Smelkova, M. S. - Functional state of the connective tissue system in the process of carcinogenesis under effect of dibazol. p. 212.
- Kononenko, L. I., Podbereznaya, A. M. - Reaction of the connective tissue system in rats with Guerin's carcinoma following introduction of Benzo-TEPA and antitreticular cytotoxic serum. p. 217.
- Vinitskaya, V. K. - Reactive changes of the lymphatic nodes in cancer of the cervix uteri. p. 222.
- Dzidusha, G. F., Baidin, N. A. - Atypical cells in the blood of rabbits with Brown-Pearce carcinoma. p. 223.
- Pelisev, M. M. - Use of infrared spectroscopy for the diagnosis of malignant neoplasms. p. 234.
- Trach, V. K. - Some characteristics of disorders of the dynamic stability of the biophysical properties of the blood in patients with malignant neoplasms. p. 238.
- TSapenko, V. F., Kapshuk, A. P. - Biochemical activity of the cerebral cortex in rabbits during the development of Brown-Pearce carcinoma. p. 244.
- *VOPROSY ONKOLOGII (PROBLEMS OF ONCOLOGY).** Issued by Ministerstvo zdorovokhnenia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 13, no. 3, 1967.
- Table of contents translated
- Kraevskii, N. A. - Morphological studies in oncology during the years of Soviet power. p. 3.
- Rusanov, A. A. - Surgical treatment of cardiac cancer. p. 13.
- Silav, I. U. S. - Gastric biopsy in the diagnosis of cancer and precancer diseases of the stomach. p. 19.
- Simbirskaya, L. P., Gershanovich, M. L. - Therapeutic test for differential diagnosis of gastric ulcer and ulcer malignization. p. 24.
- Lys, P. V. - Content and functional state of thrombocytes in patients with cancer of the stomach. p. 30.
- Miloslavskii, I. M., Lantshevskaya, A. D. - Changes in the protein fractions of the blood serum in cancer of the stomach. p. 33.
- Mordukhina, T. N. - Changes in the function of the adrenal cortex and secretory function of the stomach in gastric cancer. p. 39.
- Barchuk, A. S. - Cytological study of the contents of the pleural cavity during surgery for cancer of the lung. p. 44.
- Kolodny, V. I. - Cystadenopapilloma of the breast. p. 52.
- Vinor, V. G. - Effect of ribonucleic acid of Ehrlich's carcinoma on the transplantability and growth of this tumor. p. 58.
- Evgen'eva, T. P., Ivanova, E. A. - Effect of hypophysectomy on the growth of transplantable tumor (strain CRM 1). p. 63.
- Ronchevskaya, G. M. - Effect of large doses of glaucoside and eluterococcus extract on the origin of spontaneous tumors in hybrid mice. p. 67.
- Monakhov, B. V. - Reduction of the toxic effect of some antitumor preparations by means of eluterococcus extract. p. 71.
- Zol'tvin, B. M. - Effect of Thio-TEPA and Benzo-TEPA on the glycogen-forming function of the liver in rabbits. p. 76.
- Dikun, P. P., and others - Formation of 3,4-benzopyrene as a result of wood pyrolysis at 300°-400° C. p. 80.
- Shabanov, A. N., and others - Combination of chemotherapy and surgical treatment of malignant tumors. p. 80.
- Poleschuk, I. S. - Diagnosis and treatment of gastric cancer developing following surgery for ulcers. p. 91.
- Matveichik, S. I. A. - Results of gastrectomy in cancer of the cardia and the lower third of the esophagus. p. 94.
- Kolesov, A. P. - Late results of repeated operations for femoral cancer metastasizing into the lungs, a case report. p. 99.
- Akhmetov, G. L., Khorev, G. N. - Lesions of the stomach simulating cancer in acute pancreatitis. p. 99.
- Vermel', E. M. - Antineoplastic properties of colchicine (colan). p. 101.
- Cheln-Malraeva, T. P. - State of genital functions in women following surgical interventions and radiation effect in the small pelvis. p. 113.
- Vol. 13, no. 4, 1967.**
- Table of contents translated
- Zedgenidze, G. A., Elashov, I. U. G. - Achievements of Soviet roentgenoradiology in the diagnosis and treatment of tumors. p. 3.
- Rakov, A. I. - 9th International Cancer Research Congress. p. 18.
- Shabad, L. M., and others - Problems of carcinogenesis, materials of the 9th International Cancer Research Congress. p. 20.
- Avdeev, G. I., Gush, T. E. - Study of some antigens of gastric cancer in man. p. 32.
- Ludogovskaya, L. A., Rivkin, V. L. - Soluble antigens of polyps of the large intestine in man. p. 39.
- Bashkayev, I. S., Ageev, A. I. - Comparative immunohistochemical analysis of tumors of different etiology. p. 45.
- Kiseleva, N. S., Sokova, O. J., Konstantinova, L. N. - Characteristics of two transplantable mice tumors differing in their capacity of metastasizing. p. 48.
- Efimov, M. L., Nugmanov, E. U. - Changes in the radio-sensitivity of ascitic Ehrlich's tumor under the effect of serial irradiation in vitro. p. 54.
- Georgadze, G. E., Krasnianskaya, P. N. - Changes in respiratory tract in rabbits under the continuous effect of tobacco smoke. p. 58.
- Maikova, K. P. - Fluorescent cytologic diagnosis of tumors of the upper respiratory tract. p. 62.
- Kazantseva, I. A. - Sulfhydryl groups of the laryngeal epithelium in hyperplastic and tumorous processes. p. 66.
- Grakova, L. S. - Angiographic changes of the pattern in pulmonary cancer. p. 70.
- Pletnev, S. D. - Papillomas of the larynx. p. 72.
- Shel'tsov, V. P., Kravdin, I. U. Z. - Primary tumors of the duodenum. p. 78.
- Singer, N. U., Fain, S. N. - Pathology in cancer of the rectum. p. 83.
- Astrakhan, V. I., Monel, F. A. - Combined chemotherapy of testicular tumors resistant to sarcolysine. p. 87.
- Sokolova, N. M., Kuchikov, L. Z., Sankhalinskaya, I. K. - Changes in metabolism during radiotherapy in cancer of the cervix uteri. p. 90.
- Kolmanova-Grosheva, L. M. - Clinical and cytologic parallels in radiotherapy of cancer of the cervix uteri. p. 95.
- Lisochin, B. G. - Structural changes in adenomatous polyps of the stomach during the process of their development and malignization. p. 100.
- Odesskaya-Mol'nikova, L. A., Odesskii, I. N. - New data on giant cell tumor of the bone. p. 105.
- (DNLM)
- [PHARMACY & MATERIA MEDICA]**
- *ANTIBIOTIKI (ANTIBIOTICS).** Issued by Ministerstvo zdorovokhnenia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 12, no. 4, Apr. 1967.
- Table of contents translated
- Bilnova, I. N., Khokhlov, A. S. - Isomerization of phenoxymethyl penicillin into phenoxymethylpenicillidic acid. p. 275.
- Iudin, M. S., Lemakova, N. N. - Transformation of antibiotics of the actinon complex under conditions of mild acid hydrolysis. p. 279.
- Orlova, T. I., Silav, A. I. - Mechanism of biosynthesis of the phenoxazine part of the antibiotic amant. p. 283.
- Iudin, O. D., Levitov, M. M., Kichner, G. I. - Procedure of determining the acylase activity of bacterial cultures. p. 287.
- Goldberg, L. E., Filip'yants, S. T. - Comparative evaluation of the histamine-liberating activity of polymyxin M and water-soluble trim antibiotics from actinomycetes. p. 291.
- Sukovoy, V. N., Lisevich, I. U. G., Chamarhenko, N. V. - Changes in the binding of kanamycin by the cells of Staphylococcus aureus following a transitory presence in the focus of suppurative inflammation. p. 298.
- Korshakova, V. A., Berkenstein, G. I., Sidul'kovskaya, F. P. - Prolongation of tetracycline and monomycin by means of aqueous solutions of polyvinyl pyrrolidone. p. 301.
- Kiliseva, N. V., Ivan'skaya, L. P. - Study of the radiation-protective effect of mannitol on the antibiotic 10184 on a model of tumor cells. p. 307.
- Iashchenko, V. A., Kolesnikova, L. P. - Effect of some anticarcinogenic antibiotics on the development of hemolysis under experimental conditions. p. 312.
- Maevskii, M. M., and others - Sensitivity of transplantable tumors in animals to monomycin. p. 313.
- Kumal, I. A. - Absorption, distribution and excretion of antineoplastic antibiotic biomonomycin. p. 320.
- Milevskii, E. I., Hasnadov, S. M. - Effect of polysaccharide of Bacillus megaterium in experimental plaque and influenza infections. p. 324.
- Lilov, N. P., and others - Biologically active polysaccharides from Aureobasidium pullulans. p. 329.
- Brudov, A. J., Shcherbakova, I. G. - Prevention of side effects of amino antibiotics on tissue cells by means of 4-methyluracil. p. 333.
- Ostrovskii, A. G. - Case of anaphylactic shock following introduction of penicillin and novocaine. p. 338.
- Red'ko, A. F. - Frequency of Staphylococcus isolation in purulent inflammatory processes and changes in their sensitivity to antibiotics during 7 years in Dnepropetrovsk. p. 340.
- Bremner, S. M., and others - Changes in metabolism of vitamins B₆, B₁₂, PP, pantoic acid and vitamin C in chronic colitis of various etiology during tetracycline treatment. p. 343.
- Gauze, G. F. - Problem of anticarcinogenic antibiotics in the work of the 9th International Cancer Control Congress. p. 348.
- *FARMAKOLOGIIA I TOKSIKOLOGIIA (PHARMACOLOGY AND TOXICOLOGY).** Issued by Ministerstvo zdorovokhnenia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 30, no. 2, Mar.-Apr. 1967.
- Table of contents translated
- Vinogradov, V. V., and others - Effect of haloperidol on the central nervous system. p. 131.
- Khurina, R. A. - Intensification of the effect of narcotics and soporifics by using cholinomimetics. p. 134.
- Danilov, G. E. - Effect of morphine on the bioelectric activity of the brain in chronic allergic stimulation. p. 138.
- Bobkov, I. U. G., Losev, N. A. - Central and peripheral effect of spasmolytic derivatives. p. 139.
- Prakh'o, I. B. - Antispasmodic properties of homithi-amine. p. 142.

- Avedisov, S.S., Ushkalov, A. F. - Proliferative nodular fasciitis, p. 93.
- Rusakov, V.I. - Restoration of normal urination ten years after transplantation of the ureters into the intestine, p. 98.
- Korikov, M. L. - Treatment of paranephritis, p. 102.
- Postolov, M. P., Allimov, T. U. - Coagulating and anticoagulating system of the blood and thromboelastography before, during and following surgery on organs of the abdominal cavity, p. 105.
- Larionov, F. I. - Methodology of surgical treatment of external intestinal fistulas and the selection of operations for their closure, p. 111.
- Kreindin, I. U. Z., Kal'ner, I. S. - Intra-arterial introduction of medicinal substances as a special method of local therapy, p. 117.
- Rabinovich, E. A. - Some observations on the nature of the development of mixed tumors of the salivary glands, p. 121.
- Tsybuliak, G. N. - Modern methods of treating tetanus, experience in treating 154 patients, p. 125.
- Mikritcheva, Z. V. - New dressing materials made of waterproof cello paper, p. 132.
- Mnouchkin, I. M. - Surgical treatment of ossifying myositis, p. 135.
- Grachev, K. A. - Pneumatosis of abdominal organs in man, p. 136.
- Minsker, O. B., Agarunova, I. U. S. - Actinomycosis of the hand developed following a human bite, p. 139.
- Lebot'skii, N. I. - Rare congenital developmental anomaly of the large intestine, p. 140.
- Gurava, E. G., Lovechev, I. U. A. - Combination of isolated intestinal invagination with Treitz's hernia, p. 142.
- Astevich, A. M., and others - Chondrosarcoma as a complication of gunshot wound, p. 143.
- Boisakov, A. I. - Evagination of the ileum with strangulation through fecal fistula, p. 146.
- Kolesnikov, Z. S. - Intraintestinal introduction of antibiotics in acute intestinal obstruction, p. 147.
- D. N. Lebot'skii, an obituary, p. 157. (DNLM)

ORTOPEDIJA, TRAVMATOLOGIJA I PROTEZIROVANJE [ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESIS]. Issued by Ministerstvo zdravokhranjenja SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 28, no. 4, Apr. 1987.

- Table of contents translated
- Gudishvili, O. N., Ivanova, N. P., Ushakova, O. A. - Restorative operations in pseudarthroses and defects of tibial diaphysis, p. 3.
- Nikiforov, B. I. - Surgical lesions in trochanteric fractures of the hip, p. 7.
- Shumadina, I. V. - Experience in the use of preserved homotransplants in surgical treatment of fractures of the femoral neck, p. 13.
- Golovachina, L. M. - Experience in local hydrocortisone therapy in injuries and diseases of the locomotor apparatus, p. 17.
- Kolesnikov, I. U. P. - Surgical treatment of fractures of the distal end of the humerus in children, p. 20.
- Fedorova, R. G. - Methodology of surgical elongation of a shortened lower extremity in children and adolescents, p. 23.
- Lepel'dina, L. P., Kizimchenko, G. N. - Functional state of the muscles in transversal pes planus, p. 28.
- Sandoz, R. - Combined use of traction, rotation, and vibration in the treatment of lumbar discopathies, p. 34.
- Gavrilenko, B. S. - Experience in the use of submerged vertical traction at Kirillovka Health Resort, p. 39.
- Nakonechnyi, G. D. - Vascularization of tissues in experimental dystrophic and deforming changes of the knee joint, p. 44.
- Leon'teva, A. A., Shumil'kina, E. I. - Study of the permeability of a split skin autotransplant using radioactive indicators, p. 49.
- Liubina, F. A. - Requirements of urban and rural population for emergency stationary traumatological aid, p. 52.
- Pechenkin, A. K. - Compression osteosynthesis in at the osseous of the shoulder joint in total paralysis of the musculi deltoides, p. 56.
- Salarov, I. YA. - Compression osteosynthesis with a screw in fractures of the clavicle, p. 57.
- Poleschuk, I. S. - Experience in the treatment of open diaphyseal fractures of long tubular bones, p. 60.
- Ankin, A. L. - Diagnosis and treatment of lesions of the lateral ligaments of the talocrural joint, p. 63.
- Bezhenutse, V. I. - Errors in the diagnosis of pathological reconstruction of bones caused by excessive strain, p. 65.
- Ushin'sev, I. U. E. - Avulsion of the shoulder girdle with open pneumothorax, p. 67.
- Nikolaev, P. I. - Case of replantation of the forearm, p. 69.
- Labunets, N. N., Moliseva, K. N. - Hutchinson-Gilford syndrome, p. 70.
- Bondarchuk, A. S. - Some characteristics of diaphyseal fractures of the bones of legs in lumbermen, p. 73.

- Titov, S. P. - Use of hydrocortisone in the treatment of meniscus injuries of the knee joint, p. 74.
- Kaplan, A. V., Marjova, O. N., Mel'nikova, V. M. - Controversial problems in the treatment of open diaphyseal fractures, p. 75.
- Volkov, M. V., and others - 10th International Congress of SICOT in Paris, p. 89. (DNLM)

15. AGRICULTURE

a GENERAL

- AGROKHMIA [AGROCHEMISTRY]. Issued by Akademiya nauk SSSR and Ministerstvo sel'skogo khozai'stva SSSR [Academy of Sciences of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 4, Apr. 1987.
- Table of contents translated:
- Kudzin, I. U. K., Sukhobrus, S. V., Farentik, G. G. - Effect of the use of fertilizers during a period of fifty years on the content and forms of potassium in Chernozem soils, p. 3.
- Kudachov, V. N., Rynke, I. N. - Determining the nitrogen nutrition of spring wheat in Irkutsk Province, p. 13.
- Kondrat'ev, I. G., Mel'nik, L. V. - Effect of diammonium hydrogen phosphate on the yield of farm crops, p. 22.
- Deriugin, I. P., Beznosov, A. I. - Use of phosphorus fertilizers in turf-calcareous soils of the Udmurt A.S.S.R., p. 27.
- Shekhov, M. G. - Comparative effectiveness of various forms of phosphorus fertilizers for vegetables, p. 31.
- Sil'vak, Kh. S. - Fertilizers for rotation crops in the Ukrainian Polesye, p. 38.
- Kuznetsova, Z. A. - Effect of fertilizers on the chemical composition and the uptake of nutrients by pea crops, p. 45.
- Vatagin, A. V., Isakova, L. P. - Effect of fertilizers on the yield of forage beans, p. 50.
- Lagutinskaya, N. A. - Results of studies on the problem of grape nutrition, p. 55.
- Orlov, V. N. - Effect of soil conditions and cultivation practices on the yield of buckwheat, its chemical composition and the uptake of nutrients, p. 60.
- Dzhumayeva, I. M. - Characteristics of the mineral nutrition of cotton in gypsum-bearing soils, p. 68.
- Rafaelian, Zh. S., and others. - Studying the effectiveness of fertilizers for farm crops in some zones of Armenia, p. 74.
- Voinolovich, N. A., Shevchenko, V. P. - Effect of fertilizers on the dynamics of the available forms of nutrients in peat bog soils, p. 82.
- Tikhonova, L. D. - Change in the fertility of turf-Podzolic soils under the effect of fertilizers, p. 87.
- Mitina, E. I. - Effect of trace elements on the yield and quality of potatoes, p. 91.
- Kolontsev, V. M. - Effectiveness of zinc sulfate in growing apple rootstock, p. 95.
- Malonova, I. A. - Effect of mycorrhizum on the development of legumes, p. 100.
- Kandarov, N. S. - Transformation of iron forms and availability of nitrogen in rice fields, p. 103.
- Goller, I. A., Dobrotvorskaya, K. M., Karpenko, V. P. - Use of antibiotics for the partial inactivation of denitrification processes, p. 111.
- Kugatova-Shenikina, G. P., and others. - Growth activity and chemical structure. Report No. 4. Growth activity of some derivatives of cyclohexane, Δ^3 -cyclohexene, decalin, and Δ^4 -octalin containing no alkyl substituents in the cycle, p. 110.
- Timofeeva, A. A. - Effect of atrazine on the dynamics of soluble carbohydrates in mustard plant, p. 123.
- Parafonov, M. M., and others. - Quantitative spectral determination of Fe, Mn, Cu, Zn, Ni, Mo, Cr, and V in plants, p. 125.
- Komarova, N. A., Khlazova, N. V. - Use of centrifugation for separating soil solutions, p. 130.
- Rakitin, I. U. V., Gaiden, T. M. - Chemical method for inhibiting the sprouting of seed potatoes during storage, p. 137.
- Peterburgskii, A. V. - At the Holistic symposium, p. 151.
- Kozlova, M. M. - Use of the preparation "TB" for inhibiting the sprouting of seed potatoes, p. 150.

No. 5, May 1987.

- Table of contents translated:
- Guseinov, R. K. - Use of compound, concentrated, and liquid nitrogen fertilizers in Azerbaijan, p. 3.
- Iaitseva, A. K., Morozova, A. V. - Effect of farm manure and mineral fertilizers on the resources of humus and nitrogen in turf-Podzolic soils in subsiding, p. 11.
- Chernavskaya, T. N., Tuova, O. F. - Disorder of nitrogen metabolism in pumpkin plants in phosphorus deficiency, p. 20.
- Danilova, N. S. - Characteristics of protein metabolism and the growth of root as related to the change of nitrogen nutrition, p. 30.

- Krupskii, N. K., Kovalevich, P. G., Latyshev, E. P. - Oxidation-reduction potential and dynamics of available nitrogen in soil of rice fields, p. 37.
- Kudachova, A. I. U. - Mobility of phosphates in soils, p. 43.
- Ivlev, A. M., Zonkova, R. A. - Studying the effectiveness of the various forms of phosphorus fertilizers on turf-Podzolic soils in the Susevay [Yuzhno-Sakhalin] Valley, p. 51.
- Paletskaya, G. I. A. - Phosphate balance of Chernozem soils in plowing with and without moldboard, p. 57.
- Mosolova, L. V. - Importance of the ratio of potassium and calcium in growing winter wheat, p. 81.
- Shishov, V. A., Patkova, I. V. - Effect of sulfur containing fertilizers on the accumulation of nitrogen in legumes, p. 86.
- Musienko, T. A. - Effect of reported use of fertilizers on the quality of common Chernozem and the productivity of crop rotation, p. 71.
- Avdonin, N. S., and others. - Effect of the characteristics of turf-Podzolic soils on the effectiveness of mineral fertilizers and quality of vegetative production, p. 77.
- Dzhumayeva, I. M. - Effect of gypsum-type salinity and fertilizers on the growth, yield, and accumulation of phosphorus in cotton leaves, p. 90.
- Zylin, N. G., Stenonov, V. D. - Variation of the content of available manganese and zinc in carbonate rich Chernozem in the Crimea, p. 96.
- Zadorozhnyi, G. P. - Dynamics of boron in light-colored Sierozems in the Golodnaya Steppe, p. 99.
- Shekhov, I. U. V., and others. - Herbicidal activity and the synthesis of pichloram and some other 2-picolino derivatives, p. 105.
- Le Van Tien [Lo-van-Tien]. - New colorimetric method for determining phosphorus content of soils and plants, p. 117.
- Barashtin, N. N., Akimova, T. G. - Rapid determination of the volume of sulphate ions in fertilizers by the new nitrochromaz indicator, p. 123.
- Belevik-Romanova, T. F., Grubovskaya, I. I. - Effect of total content of sample on the intensity of the studying elements in spectral analysis of plants and soils, p. 126.
- Ianishovskii, T. V., Komarov, V. M. - Technology of the use of liquid compound fertilizers on the "Zaria kommunizma" State Farm, p. 130.
- Shkol'nik, M. I., Paribok, T. A., Davydova, V. N. - Physiological role of zinc in plants, p. 133.
- Z. I. Zhukovskii's 70th birthday, p. 166.
- Rakitin, I. U. V. - Symposium on the stimulation of plants, p. 159.

AKADEMIYA NAUK SSSR, Minsk, Vestnik Seryin sel'skoihoziaistva [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin, Series in the Agricultural Sciences]. Minsk, no. 1, 1987.

- Table of contents translated
- Solntsev, K. M. - White Russian Academy of Agricultural Sciences during the 50 years of the Soviet regime, p. 6.
- Akash'ev, N. I. - CO₂ and O₂ content of swampy soils in White Russia, p. 11.
- Kashkova, A. V., Maig, A. A., Peshkova, M. A. - Conditions of the distribution of Azotobacter in turf-Podzolic soils, p. 10.
- Lupinovich, I. S., Knapkina, Z. A., Shkurayeva, N. I. - Enzyme activation of peat-bog soils, p. 23.
- Biazidnyy, M. M. - Change in phosphorus and nitrogen exchange in plants caused by various conditions of phosphorus nutrition, p. 29.

ivr

- BILAKHSHO, V.S.** - Use of systemic preparations for controlling the spruce leaf louse Laspeyresia piceolarum p. 21.
Kalashnikov, K.A. - Improving the germination capacity of seeds by disinfection. p. 22.
Nuridzhaniyan, K.A. - Chemical means for protecting plants from virus diseases. p. 25
Likholat, T.V. - Effect of 2, 4-D on the uptake and utilization of nutrients by plants of various systematic groups p. 31.
Zubarenko, V.A., Idrina, N.V. - Results of testing prometryn and trietazine in potato fields. p. 35.
Bersonova, K.A. - Use of collector waters treated with herbicides for cotton irrigation. p. 37.
Sufianov, A.M. - Effectiveness of the use of sodium trichloroacetate with simazine and dalapon in orchards in Leningrad Province. p. 40
Anpilov, V.A. - Results of testing herbicides in orchards of Irkutsk Province. p. 41.
Pavlov, P.K. - Effect of gamma globulins in combination with trace elements on the cobalt, manganese, and copper content of blood in calves with hypovitaminosis A. p. 43.
Gabovich, R.D., Kolontsi, V.P., Shkvaik, N.M. - Possibility of using phosphate containing increased quantity of fluorine. p. 47.
Bezmosov, A.I. - Determining available phosphorus in turf-calcareous soils by Machelgand Khizanov methods. p. 51.
Tsap, M.L., Lunik, S.M. - Determining phosphorus in fertilizers by the method of differential spectrometry. p. 53
Bilagans'ka, V.E. - Agrochemical service in Odessa Province. p. 59.
Potashov, A.I. - Scientific documentation on field experiments with fertilizers. p. 61.
Kovalenko, N.A. - Effectiveness of mineral fertilizers in turf-Podzolic and peat-bog soils. p. 66.
Islutina, N.G. - Efficiency of the band placement of superphosphates for sugar beets in virgin regions of Kazakhstan. p. 69.
Teshmatov, M. - Economic effectiveness of mineral fertilizers on cotton growing farms in Tajikistan. p. 70
Chernomirnov, G.A. - Chlorocholine chloride, its effectiveness against the lodging of grain and condition for its efficient use. p. 72.
Ladonin, V.F. - All-Union Conference on Herbicides. p. 78
- Mikhailov, V.M., Glushanov, S.I., Chukolov, V.I.** - Determining the productive capacity of machines between repairs and the number of repairs. p. 16.
Lebedev, A.T. - Optimal motion system for tractor drawn machinery units in agroparks. p. 17.
Shpodarenko, I.P., Khilov, A.N. - Parameters of loop pen-shaped turns of units. p. 17
Rudenko, M.G. - Studying functional working apparatus p. 19.
Kolesnikov, N.V. - Changing form of the rear end of a harrow opener. p. 22
Zelenaki, Yu.A. - Studying the vibration of a diesel-draw machine. p. 24
Skofzuev, V.A., Idapov, A.I. - Justification of a method for processing feed materials into gas meal. p. 29.
Vahutin, V.D. - Systems of the high-temperature drying of grass in combined systems. p. 30.
Kozlikov, M.P., Petrov, H.A. - Experiment of a feeding ration for cows. p. 31.
Ardunov, V.N., and others. - Determining the indices of an asymmetrical cattle diet. p. 31
Komarov, D.Ye. - Obligation of agricultural electricity p. 36.
Gulyay, G.A., Sekanov, Yu.P. - Studying the effect of willow mercury lamps providing supplementary lighting for seedlings. p. 40.
Ognev, E.V. - Combined irradiation of plants as greenhouse with mercury arc fluorescent lamps and incandescent. p. 41
Chepuranov, P.A. - Calculating the rate of operation of pneumatic transducers of pneumostatic meters. p. 45
Rashtaj, V.N. - Nonogram for calculating the parameters of photoelectric guiding devices. p. 46.
Zhablin, I.V. - Methodology of experiment design on model stands. p. 48.
Doganovskii, M.G., Bonchakovskii, N.H., Rudakov, V.N. - Photoelectric optimum for determining the regularity of seed sowing. p. 57
Gerasimov, V.N. - In the Department of the Mechanization and Electrification of Agriculture of the All-Union Academy of Agricultural Sciences. p. 57
- MCKHANIZATSIA SIL'SKOHO HOZODARSTVA [MECHANIZATION OF AGRICULTURE].** Organ of the Central Executive Committee USSR "Doklady i zhurnal" [Russian Association "Reports and Journal"] of the Council of Ministers of the Ukrainian S.S.R. Kiev, vol. 18, no. 5(209), May 1967.
- MOSCOW, INSTITUTE INZHINIROV ZEMLIHOROSHOIYA TRUDY [INSTITUTE OF LAND UTILIZATION ENGINEERS.]** Translations], No. 22, 1966.
- MOSCOW, MOSKOVSKAIA ELEKTROKHIMICHESKAIA AKADEMIIA IM. TIMIRIAZOVA, LABORATORY KHIMICHESKOI ZEMLIHOROSHOIYA TRUDY [CHEMICAL LABORATORY OF THE TIMIRIAZOV ACADEMY OF AGRICULTURE.]** Moscow, No. 1, 1966.
Table of contents translated
Ivanov, A.S. - September 1966 Program of the Central Committee of the CPSU and some problems of mechanization and economic theories. p. 1
Legg, D.O., Topper, E.Z., Shakhmurov, V.K. - Effect of micro-organisms on the degree of accumulation of nitrogen by plants from molasses fertilizers. p. 22.
Holikov, P.S., Avakimova, L.G. - Use of an open-ended method for studying the temperature course of photosynthesis. p. 32.
Kovaleva, N.M., Kravtchenko, E.I. - Effect of light on the seed germination of winter wheat plants. p. 42
Vorobiev, S.A., Buzenkov, D.G. - Productivity of crop rotation links with row crops. p. 51.
Panov, N.P., Boldyrev, A.I., Kokorin, E.L. - Mineralogical composition of soils in the Chernozem-Solonchak complex of the Padana Plain (part of the Tyne Valley). p. 60.
Kamchev, I.S., Andriashkin, E.P. - Dynamics of phosphates of Podzolized and brown forest humus and related phenomena as related to the occurrence of temporary reduction processes in them. p. 70
Tanasenko, M.T., Popkhorova, Z.A. - Environmental conditions in rooting green cuttings under artificial fog conditions. p. 81.
Tanasov, V.M. - Effectiveness of zinc in the prophylaxis and therapy of rosette disease of apple in Ulyanovsk Province. p. 89.
Saburov, N.V., Sitnikov, L.P., Volkov, H.U. - Storage of potatoes and cabbage using mechanical ventilation. p. 110.
Timofeev, V.P. - Role of thymus in increasing the resistance and productivity of furens. p. 125.
Budakov, T.E., Akulin, N.A. - Folia toxicologica of swine. p. 143.
Shipilov, V.S. - Effect of neutrosexual innervation on the mobility of the uterus and the fertilizability of cows. p. 158.
Zherebtsov, P.I., Solntsev, A.I. - Effect of some organic acids on nitrogen metabolism in the rumen of ruminants. p. 168.
Vrakin, V.F. - Methodology for obtaining isolated part of the ocellum of ruminants. p. 171.
Mitlay, A.P., Eskin, M.I. - Pedagogical training at the Timiriazev Agricultural Academy. p. 175.
- FARMIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE].** Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstva sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.] Moscow, vol. 5, no. 4(42), Apr. 1967
Table of contents translated
Rudakov, L.G. - Rates and time for the placement of nitrogen fertilizers for winter crops in the Ukrainian Polesie. p. 2.
Mosolov, I.V., Semikho, V.F. - Effect of mineral fertilizers on winter wheat under irrigation. p. 5.
Kalyuzhny, A.G., Blushenko, K.F., Nedballo, E.P. - Response of sorgo to mineral fertilizers in the Sochi Azov region. p. 8
Kiril'chik, A.P., Murkova, L.P. - Fertilizers for potatoes in sandy-loam soils of White Russia. p. 10.
Rasulov, D.A. - Effect of fertilizers on the seed qualities of potatoes in main potato growing regions of Dagestan. p. 11.
Kolotarev, V.M. - Use of ammonium molybdate in growing apple rootstock. p. 14.
Smirnova, I.M. - Effect of organochlorine insecticides on the direction of biochemical processes in plants and development of aphids. p. 16.
Fedorova, I.F. - Toxic effect of heptachlor and heptachloran on wireworms as related to the temperature and pH of soil. p. 19
- KREST'IANKA [THE PEASANT WOMAN].** Published by Izd-vo [Publishing House] "Pravda," Moscow, vol. 45, no. 5, May 1967.
- MEKHANIZATSIA I ELEKTRIFIKATSIA SOTSIALISTICHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANIZATION AND ELECTRIFICATION OF SOCIALIST AGRICULTURE].** Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, no. 4, 1967.
Table of contents translated
Boltinskii, V.N. - Great tractor state. p. 2.
Nassonov, V.S. - Increasing the reliability of the work of machines and tractors by providing standing-by units. p. 7.

- Pulato, S.M., Abramova, V.I. - Oldest scientific agricultural library. p.188.
- Rondalov, V.P. - Deposits of Geology and Mineralogy during the past 100 years. p.205.
- In memory of Vasilii Vasil'evich Vil'iams. p.223
- In memory of Vasilii Ivanovich Edel'shteyn. p.220.
- Centennial of the Timiryazev Agricultural Academy p.230.
- Universal Decimal Classification. p.234
- SEL'SKOE KHOZIAISTVO; sistematicheskii ukazatel' stolov v biosfernykh zhumalakhi [AGRICULTURE, Classified Index of Articles in Foreign Periodicals].** Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka i Vsesoyuznaya gosudarstvennaya biblioteka ihsotnoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature]. Moscow, no.4(132), 1967.
- SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN].** Issued by Tsentral'nyi Komitet Kommunisticheskoi Partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, no.6, June 1967.
- SEL'SKOE KHOZIAISTVO KIRGIZII [AGRICULTURE OF KIRGIZIA].** Issued by Ministerstvo sel'skogo khoziaistva Kirgizskoi SSR [Ministry of Agriculture of the Kirgiz S.S.R.]. Frunze, vol.13, no.5, May 1967.
- SEL'SKOE KHOZIAISTVO TADZHIKISTANA [AGRICULTURE OF TAJIKISTAN].** Organ of Ministerstvo sel'skogo khoziaistva Tadzhikskoi SSR [Ministry of Agriculture of the Tajik S.S.R.]. Dushanbe, vol.21, no.6, 1967.
- SEL'SKOE KHOZIAISTVO TURKMENISTANA [AGRICULTURE OF TURKMENISTAN].** Issued by Ministerstvo sel'skogo khoziaistva Turkmeniskoi SSR [Ministry of Agriculture of the Turkmen S.S.R.]. Ashkhabad, vol.11, no.4, Apr. 1967.
- SEL'SKOE KHOZIAISTVO UZBEKISTANA [AGRICULTURE OF UZBEKISTAN].** Issued by Ministerstvo sel'skogo khoziaistva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.]. Tashkent, no.4, Apr. 1967.
- SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.].** Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka [Central Agricultural Library]. Moscow, no.5, 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NFCHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE].** Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Moscow, vol.5, no.6, 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I Tshcho [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION].** Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Kazanod, vol.5, no.6, June 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST].** Issued by Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Omsk, vol.11, no.5, 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS].** Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Sverdlovsk, vol.5, no.5, May 1967.
- SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRICULTURE].** Issued by Eesti NSV Polumajanduse Ministerium [Ministry of Agriculture of the Estonian S.S.R.]. Tallinn, vol.22, no.10, May 1967. [In Estonian]
- TIFLIS. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions].** Vol.50, 1959. (DNAL)
- VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE].** Issued by Ministerstvo sel'skogo khoziaistva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S.S.R.]. Alma-Ata, vol.9, no.12, Dec.1960.
- Table of contents translated:
- Bochkareva, L.M. - Economic evaluation of lands on farms in Yessil' and Balkhashino Districts of Tselinograd Province, p.3.
- Kozlov, F.S. - Ways for improving land utilization and settlements in Alma-Ata Province in connection with the development of agriculture. p.10.
- Makhmudov, Kh.Kh. - Reclaiming water and land resources in the Lake Baikal region. p.16.
- Nefedov, A.V., Zykin, V.A. - Growth and development of the root system of durum wheat in northern Kazakhstan. p.21.
- Annatayev, E.A., Bobrysheva, G.V. - Vital activities of the root system of corn in prolonged growing on various use of fertilizers. p.20.
- Baldin, T.A. - Effect of phosphorus fertilizers on the growth and development of the root system in spring wheat. p.29.
- Bykov, D.T., Nechiporenko, N.A. - Dynamics of the yield gain and root nutrition of polyploidous and monopoloidous sugar beets in eastern Kazakhstan. p.33.
- Iakhina, R.S. - Decomposition of the organic residues of grass mixtures in irrigated areas of southern Kazakhstan. p.42.
- Vecherko, L.I. - Cytologic studies of the mutants of wheat. p.45.
- Ermanukov, M. - Nitrogen fertilizer norms for cotton in the zone of the Arys'-Turkmenistan Canal. p.50.
- Kaimov, Zh. - Red Latvian cattle in northern regions of Kazakhstan. p.53.
- Akhmedov, A., Dzhamagulov, I.K. - Meat productivity of camels. p.56.
- Bozovikova, V.F. - Fatting meat-type swine in Kazakhstan. p.59.
- Dangalova, E.Kh. - Age-related immunity of chickens in Heterakis infestation. p.62.
- Lash, S.A. - Etiology of the peritonitis of ducks in Alma-Ata Province. p.65.
- Kuporov, P.G. - Inheritance of the economically valuable characters of argali Merino sheep in their crossing with fine and coarse wool sheep. p.71.
- Chepit, G.V. - Coagulation reaction of the third fraction of blood in poultry with tuberculous according to Danil's method. p.74.
- Vozny, A.U., Kuznetsov, V.I. - Vermifugal treatment of sheep with Chabertia infestation using phenothiazine, dipterex, and naphthamone mixtures. p.70.
- Baranov, L.A., Kalina, L.I. - Voltage regulation in rural power distribution networks by smooth change of the magnitude of reactive power. p.82.
- Aktiv, U. - Effect of the irradiation of seeds with gamma rays (Co^{60}) on the viability of soybean. p.88.
- Kyambayeva, G.Kh., Panin, V.I.A. - Studying the biology of *Diacectium lanceolatum* in conditions of southeastern Kazakhstan. p.92.
- Petrov, S.A. - Lombardy poplar in Kazakhstan. p.95.
- Al'muradov, N. - Importance of the chlamydospores of the agent of covered smut of barley. p.98.
- Zhukhovitskaya, Z.V. - Some results of testing herbicides in Kazakhstan. p.101.
- Ellisey, K.M., Kachegyanov, Kh.E. - Technique of the vermifugal treatment of dogs. p.105.
- Kradepov, V.P. - Machine milking of camels. p.106.
- Koshcheva, P.F. - Green forage production plan in unimproved dry areas. p.109. (DNAL)
- Vol.10, no.3, Mar. 1967.
- Table of contents translated:
- Dzhunusov, Z. - Amortization deduction and farm economics. p.3.
- Chullurov, Sh.M., and others. - Growth of the root systems of some crops in penoplain cristy Solonchaks soils in Aktyubinsk Province. p.8.
- Sabirov, M.D., Sabirova, L.T. - Effectiveness of the use of fertilizers on suburban farms of Alma-Ata. p.13.
- Galkin, I.D. - Soil improvement regions of the northwestern part of the Golodnaya Steppe. p.17.
- Shilaty, E.I. - Effect of ridged surfaces on the erodibility of southern carbonate-rich Chernozems. p.20.
- Nechiporenko, N.A., Prokudina, G.I. - Characteristics of the anatomic structure of the root of different sugar beet varieties under irrigation. p.26.
- Kogut, M.M. - Growing corn for silage in Kokchetav Province. p.32.
- Velichko, P.K. - Effect of cover crops on the yield of sainfoin hay. p.34.
- Kirillov, I.U.I. - Some problems of the biology of sorgo in semideserts of the northern Aral Sea region. p.38.
- Dosmagambetov, K. - Planting methods and sowing rates for grass pea in the dry-farming piedmont zone of Alma-Ata Province. p.42.
- Khafizov, A.Sh. - Irrigation system for peas in the piedmont zone of Alma-Ata Province. p.42.
- Khafizov, A.Sh. - Irrigation system for peas in the piedmont zone of Alma-Ata Province. p.46.
- Zhilakova, V.S. - Quality of golden and black Karakul sheep as related to multiparity. p.51.
- Sapargaliyev, G.S., Dzharikbasov, A. - Feeding norms for pregnant Karakul ewes. p.58.
- Li, V.V., Khailin, S.A. - Effect of mixed feeds with various content of technical fat on the growth and development of chicks of meat type. p.61.
- Tolysbayev, B., Matvienko, B.A. - Studying the antibacterial properties of some petiochemical products. p.66.
- Khabibullin, R.A. - Dynamics of agglutination reaction and testing the safety for lambs of the experimental *Isleriosis* vaccine from strain "Auls". p.70.
- Ivanov, N.P. - Diagnostic effectiveness of complement fixation reaction and ring reaction in inspecting cow milk for brucellosis. p.73.
- Chernousov, N.M. - Formal devolatilization of *Clostridium perfringens* toxins. p.77.
- Karehov, Kh. - Determining water requirement norms in designing water supply systems for livestock farms. p.81.
- Malakhov, V.P., Sakharov, I.V. - Standardization of the methods of motion and types of turning for high-speed tractor units. p.80.
- Sokolov, P.I., and others. - Dry silage bacterial yeast. p.93.
- Romanov, V.V. - Crops preceding onions. p.98.
- Dzhangalov, A.D., Razzhivin, A.A., Vladimirova, L.A. - Nematozo fauna of fruit and berry crops in the Trans-Ili Alatau. p.100. (DNAL)
- VISNYK SIL'SKOHOSPODARSKOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE].** Issued by Ministerstvo sil'skoho hospodarsva Ukrainy [Ministry of Agriculture of the Ukrainian S.S.R.]. Kiev, vol.10, no.5, May 1967.
- ZA SOTSIALISTICHESKUI SEL'SKOKHOZIAISTVENNUU NAUKU [FOR SOCIALIST AGRICULTURAL SCIENCE].** Issued by Chechoslovenska akademie sel'skokhoziaistvennykh nauk [Czechoslovak Academy of Agricultural Science]. Prague, vol.16, no.1, 1967.
- b. ANIMAL INDUSTRY**
- BATUM. NAUCHNO-ISSLEDOVATELSKAYA RYBOKHOZIAISTVENNAIA STANTSIIA GRUZI. Trudy [FISHERY RESEARCH STATION OF GEORGIA. Transactions].** Vol.10, 1965.
- Table of contents translated:
- Gogotskii, S.S., Oshnikova, V.V., Tshomelidze, O.I. - Combined use of mineral fertilizers and feeds in raising carp. p.3.
- Shaverdov, R.S. - Biological study of Black Sea saurel. p.10.
- Vutskhelli, G.G. - Feeding habits of Paravani Lake carp in summer. p.89.
- Beidze, I.O. - Development of brood stock of herbivorous fishes. p.95.
- L'ENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA, Ural'skoe otdelenie. Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES, Ural Department. Transactions].** Sverdlovsk, vol.6, 1964.
- Table of contents translated:
- Koz'min, I.U.A. - Thirty years of the Ural State Scientific Research Institute Rivoi Fisheries. p.3.
- Tironov, M.D. - Acclimatization and cull now valuable fish species as a means of fish productivity in Ural waters. p.13.
- Nestorenko, N.V. - Reproductive capacity hybrids. p.19.
- Balabanova, Z.M. - Mountain Lake Turgoy Ulomskii, S.N. - Plankton of Lake Turgoy Grudlevskaya-Dekabinsk, M.L. - Bottom Lake Turgoyinsk, fish feeding habits and increasing food resources of the lake.
- Lopatysheva, G.M., Tironov, M.D. - Feeds and means for increasing fish production in Lake Turgoyinsk. p.115.
- Sysoiatina, T.L. - Chemistry of some Kun p.140.
- Shilkova, E.V. - Food resources in some Kurgan Province and its use by fishes.
- Kozlova, I.V. - Plankton of Lakes Shartaf Islets and Polovinnoye. p.171.
- Balabanova, Z.M. - Ural reservoirs, p.1 Koz'min, I.U.A. - Utilization of Kama Reservoir fisheries. p.201.
- Koz'min, I.U.A., Matukhin, V.P. - Ichthyofauna of Reservoir. p.207.
- Guseva, N.V., Shchupakov, I.G. - Color whitefishes forming in fish hatcheries.
- Tironov, M.D. - Ivan Vasil'evich Kuchin, of fish culture in the Ural, p.221.
- Publication of works of the Ural Branch of Scientific Research Institute of Lake and Fisheries. p.228.

- Nozdrin, G. D. - First results of the work in the new wav. p.47.
- Trishin, V. S. - Urgent problems of establishing research work norms. p.51
- Forest resources and their utilization in world countries. p.55.
- Mozeev, V. P. - Selection and justification of the type of cutting apparatus for the brush cutter with active working parts. p.58.
- Mashkov, D. A. - KP-1, 2 wedge sod breaker. p.62
- Khachko, A. B., Serebnitskiy, I. V. - At the Kishinev Tractor Plant. p.63.
- Mashkov, N. M. - Problems of improving cone dryers. p.64.
- Novosolov, S. D. - More on the protection of young growth. p.67.
- Merkulov, P. D., Pas'ko, N. E., Konstantinov, V. K. - Drying forest lands in the Grydy Tract. p.70.
- Gusevnikov, V. - Light of the Golden Star. p.73.
- Danilov, P. I. - Effect of heavy on forest plantations. p.78.
- Dolgolikhov, V. I. - Characteristics of collecting spruce cones in winter. p.78.
- Palberdin, M. V. - Structure of groves of wild roses. p.79.
- Zagreov, V. V. - Determining the height of trees from any distance. p.80.
- Malyev, I. - Forge shop for teams. p.81.
- Ventsko, E. - Forest management and lumber industry in Poland. p.82.
- Loghinov, T. I. - Notes on forest management in India. p.86.
- Uspenskii, L. - Forestry etymological dictionary. p.90.
- Attention to the workers of the lumber industry and forest management. p.91.
- In the State Forestry Committee of the Council of Ministers of the U.S.S.R. p.93.
- Kionit, I. - Forest seed production and forest protection in Latvia. p.94.
- LESOVEDENIE [FORESTRY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no.2, 1967.
- Table of contents translated
- Sakachev, V. N. - Forest research and biogeocenology. p.3
- Molestnikov, A. A. - Results of biogeocenotic study of forest-steppe oak forests and their silvicultural importance. p.11.
- Gillarov, M. S. - Invertebrates and forest biogeocenoses. p.27.
- Plavchenko, N. I. - Biogeocenological study of bogs. p.37.
- Karmanova, I. V. - Some results of the experimental studies of interrelation between plants on cutovers. p.46.
- Shakhova, O. V. - Total evaporation by grass cover in wooded and woodless drainage basins in southern Ural. p.61
- Sudaitis, T. N. - Nitrogen nutrition of pine in stands of various density of plantations. p.67
- Plil'oz, E. M. - Methodology of studying the dynamics of the growth of trees and plantations. p.74.
- Elagin, I. N. - Maximal daily temperature of various air layers in pine and whortleberry forests. p.81.
- Sokolov, A. A. - Amounts of roots in the accumulative horizon of turf-Podzolic soils under the spruce, larch, and aspen canopy. p.83.
- Nosova, L. M. - Conference on the problems of biogeocenology. p.87.
- Gulicheva, N. P. - Conference on the problems of the biological productivity of surface plant communities. p.89.
- VSESOUZNIY NAUCHNO-ISSLEDOVATEL'SKII INSTITUT AGROLESOMELIORATSII.** Nauchno-issledovatel'skoye raboty aspirantov i molodykh uchnykh [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF LAND IMPROVEMENT THROUGH AFFORESTATION. Research Papers of Graduate Students and Young Scientists]. Volgograd, no.49, 1965.
- d PLANT CULTURE**
- EESTI MAAILJELUSE JA MAAPARANDUSE TEADUSLIKU UURIMISE INSTITUUT.** Teadusliko toode kogumik. Sbornik nauchnykh trudov Estonakogo nauchno-issledovatel'skogo instituta zoolodellia i molodiatil [ESTONIAN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE AND RECLAMATION. Papers]. Saku, no.8, 1966.
- FILLOKSERA I MERY BOR'BY S NEI [PHYLOXERA AND MEASURES TO CONTROL IT].** Issued by Institut zoologii Akademii nauk Moldavskoi SSR [Institute of Zoology of the Academy of Sciences of the Moldavian S.S.R.], Kishinev, no.2, 1966.
- Table of contents translated:
- IA, I. Prints; an obituary. p.3.
- Prints, IA, I. - Modern state of Phylloxera problems. p.5.
- Prints, IA, I., Kozlov, V. M., Slonovskii, I. F. - Results of studying the effect of hexachlorobutadiene on Phylloxera and on grapevine. p.13.
- Slonovskii, I. F., Karaman, N. E. - Effect of hexachlorobutadiene on the physiology of grapevines. p.21.
- Pavlishina, N. P. - Effect of hexachlorobutadiene on soil micro-organisms. p.27.
- Khoroshilov, V. V. - Effect of hexachlorobutadiene on the nitrogen and moisture conditions of soils. p.32.
- Gul'ko, A. G., Makotkina, L. S. - Hygienic evaluation of grapes grown in fumigated soils. p.37.
- Lialkov, I. U. S., Solonai, A. S. - Polarographic determination of the residual quantity of hexachlorobutadiene in soil. p.39.
- Spirin, M. E. - Protection reaction of the lignified grape roots against Phylloxera. p.42.
- Kitskin, P. Kh. - Comparative and morphological analysis of grape varieties at the ampelographic collection of the Moldavian Academy of Sciences (1960-1964). p.48.
- Kitskin, P. Kh. - Results of studying grapes resistant to Phylloxera at the ampelographic collection of the Moldavian Academy of Sciences (1952-1964). p.54.
- Lukashovich, P. A., Glushko, K. B. - New attachment to the PRVN-2,5 vineyard plow for soil fumigation. p.64.
- Sobetskii, L. A., Derzhavina, M. A. - Some characteristics of the nutrition of grape Phylloxera. p.70.
- LENINGRAD. VSESOUZNIY INSTITUT ZASHCHITY RASTENII.** Trudy [ALL-UNION INSTITUTE OF PLANT PROTECTION. Transactions]. No.13, 1958. Wheat rusts.
- Table of contents translated.
- Chumakov, A. E. - Losses of wheat grain from rust and effectiveness of measures for its control. p.7.
- Fedotova, T. I. - Increase of wheat infection with leaf rust during ear formation. p.11.
- Kozyreva, G. A. - Interrelation between pathogens of leaf rust and winter wheat plants. p.22.
- Chumakov, A. E. - Role of leaf infection foci of leaf rust and repeated infection of winter wheat. p.28.
- Topolovskii, V. A. - Interrelation between pathogens of leaf rust and winter wheat plants under various conditions of soil moisture. p.41.
- Chumakov, A. E., Bystrova, M. A. - Effect of supplementary mineral fertilizers for winter wheat on rust resistance. p.50.
- Egorova, G. N. - Role of nutrition of winter wheat plants on development of leaf rust. p.57.
- Krasova, E. F. - Role of foliar potassium feeding in protecting wheat from leaf rust. p.62.
- Votchevskii, O. N. - Common salt as means for controlling wheat rusts. p.64.
- Bystrova, M. A. - Effect of phosphorus on development of leaf rust of wheat and increase of yield of winter wheat grain. p.68.
- Fedotova, T. I. - Measures for increasing resistance of wheat to various rust types. p.71.
- Stepanov, K. M. - Forecasting leaf rust of winter wheat. p.85.
- Chumakov, A. E. - Characteristics of development of stem rust in Soviet Far East. p.97.
- Stepanov, K. M. - Effect of variety and weather conditions on development of leaf rust of spring wheat. p.105.
- Rashevskaya, V. F., Nilova, V. P. - Effect of various conditions of wheat germination on susceptibility of plants in following generations. p.117.
- Naimova, N. A. - Development of Puccinia glumarum Erikss. et Henn. in wheat seeds. p.134.
- Naimova, N. A. - Distribution of Puccinia glumarum Erikss. et Henn. on wheat ears. p.155.
- Stepanova, M. I. U. - Development of pathogens of stripe rust Puccinia glumarum in wheat leaves during incubation period. p.170.
- Shifman, I. A., Skapanova, M. I. U. - Characteristics of distribution of leaf rust of wheat on plant. p.177.
- Nilova, V. P., Stepanova, N. G. - Effect of leaf rust on metabolism of wheat. p.185.
- Egorova, G. N. - Activity of enzyme ascorbinase in wheat leaves infected with leaf rust. p.193.
- Pollakov, I. M. - Chemical immunization of plant as means for controlling leaf rust of wheat. p.198.
- Pollakov, I. M. - Testing new fungicides for controlling rust on grain crops. p.212.
- SADOVODSTVO [HORTICULTURE].** Organ of Ministerstva sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.105, no.5, May 1967.
- (DNAL)
- SBOBNIK RABOT PO MASLICHNYM I EFIROMASLICHNYM KULTURAM [PAPERS ON OILSEED AND ESSENTIAL OIL CROPS].** Issued by Vsesoiuznyi nauchno-issledovatel'skii institut maslichnykh i effromaslichnykh kultur [All-Union Scientific Research Institute of Oilseed and Essential Oil Crops]. Krasnodar, no.1, 1966.
- Table of contents translated.
- Gundaev, A. I. - New early varieties of sunflowers "Kubnets", "Vostok", and "Krasnodarskiy". p.5.
- D'akov, A. B. - Relation between the yield of the nuclei of sunflower achenes and their oil content. p.9.
- Rizheva, O. I. - New variety of oil flax VNIMK 172. p.14.
- Rizheva, O. I., Boitsova, V. P. - Evaluating the collection of oil flax for drought resistance in the Virgin Territory. p.19.
- Voskresenskaya, G. S., Shipota, V. I. - New types of mustards. p.24.
- Voskoboinik, L. K. - Significance of female forms of castor bean for breeding and seed production. p.26.
- Makushko, I. U. P. - New regionally adapted soybean variety VNHSK 1. p.31.
- Votobov, N. V. - Biochemical characteristics of the seeds and oil of some soybean varieties. p.36.
- Boikovskaya, S. E. - Germinal and yielding capacity of clary sage seeds with central and lateral inflorescences. p.42.
- Agakova, N. P. - Effect of preceding crop on the moisture and nutritive conditions of soil under sunflowers. p.46.
- Ignatov, B. K. - Response of sunflowers to fertilizers. p.53.
- Iakovlev, I. P. - Effectiveness of the rolling of soils during the pre-sowing period. p.57.
- Vasil'ov, D. S. - Pre-harvest defoliation of castor bean. p.61.
- Rudakov, V. N. - Use of herbicides in peanut fields. p.65.
- Rogochin, I. A. - The SMS-2,8 planter for sowing mint rhizome and placing leucanthemum. p.68.
- Redin, P. A. - Sunflower as a high-profitable crop. p.74.
- Shak, I. K. - Effectiveness of the specialization of a farm for growing castor oil. p.79.
- Suslov, V. M., Solntikova, T. V., Samolov, V. D. - Economics of growing aromatic plants in the Ukraine. p.83.
- Pavlenko, E. F. - Seeding production norms in growing damask rose. p.90.
- SUBTROPICHESKIE KULTURY [SUBTROPICAL CROPS].** Issued by Vsesoiuznyi nauchno-issledovatel'skii institut chala i subtropicheskikh kultur [All-Union Scientific Research Institute of Tea and Subtropical Crops]. Makhradz, no.4(89), 1966.
- Table of contents translated:
- Balava, M. L. - Green manuring of citrus plantations. p.3.
- Sulakdz, T. S. - Role of negative temperatures on increasing the frost resistance of citrus plants. p.18.
- Tsilala, V. I. - Trench culture of Villafraza lemon on rootstocks grown from cuttings of Meyer's lemon in Tajikistan. p.26.
- Mikheev, V. E. - Effect of the density of lemon trees on the intensity of photosynthesis as related to their frost resistance. p.32.
- Dobokhilev, I. N., Mikhaylov, V. L. - Hand tea pruning shears designed by the All-Union Scientific Research Institute of Tea and Subtropical Plants. p.37.
- Talybiy, G. A., Malorova, G. N. - Causes of the irregular delivery of tea leaves to factories and measures for their elimination in the Lenkoran zone of Azerbaijan. p.49.
- Melunov, S. F. - Tea growing in subtropics of Krasnodar Territory. p.56.
- Ushakov, S. Z. - Combined use of mineral fertilizers with hexachloran and ground sulfur as a p.62.
- Palanova, P. D. - Effect of content of pesticides in tea. p.62.
- Adel'shvi, N. I. - Effect of clones and the age of leaves on the content of tea leaves. p.62.
- Chikhalidze, D. Kh. - Effect on the viability and white. p.62.
- Gigineishvili, P. L., Lashin, laurel leaves with infestations. p.62.
- Vardoladze, D. A. - Dynamics of the growth of the root system of various tea types. p.69.
- Tavadze, P. G., Gugunava, biological characteristics of various ages. p.107.
- Gogitidze, S. D. - Aloe, its growing. p.112.
- Sarishvili, D. V. - Peach tunga tree Alendia for conditions. p.124.
- Kupichvili, D. T. - Struc production on collective and the determination of p.129.
- Beridze, A. E. - Agrochem tropics. p.138.
- Kvachidze, G. V. - Select complex of machines for of work in the reclamation khida Lowland. p.146.
- Gogitidze, V. D. - Effect of ment of soil microflora in Georgia. p.156.

Trapkire, A.S. - Results of testing butyl ester and sodium salt of 2,4-D against undesirable shrubs. p.161.
Academician Ksenia Chmelova Bakhtadze the Hero of Socialist Labor. p.163.

TABAK [TOBACCO]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry] Moscow, vol. 28, no. 2, 1967. (DNAL)

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U.S.S.R.]. Organ of Ministerstva pishchevoi promyshlennosti SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [Ministry of the Food Industry of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 27, no. 4(253), 1967.

ZASHCHITA RASTENII [PROTECTION OF PLANTS]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Cherkhov, vol. 12, no. 4, 1967.

Table of contents translated
Let us use herbicides better. p.1
Bondarenko, M.M. - in Kazakhstan. p.3
Dzhembrev, Zh.T. - Work of scientists. p.6
Churikov, M.S. - From practices in controlling susliks. p.7
Dykov, V.M., Kazansev, V.D., Klockov, I.U. - On guard over crop yields. p.10
Sukhanin, A.S., Stepanov, L.A. - Smut is retreating. p.12
Kislov, M.I.A., Tsyganov, S.M. - Introduce all new developments in production. p.13
Rlovanyi, P.Z. - Introduction as the most important factor. p.14
Shutkin, P.A., Antropov, A.I. - Let us help the farmers. p.16
Koval'chuk, P.P. - An efficient method. p.17
Cherkovets, G.S., Glebski, T.D., Mishchenko, V.A. - Key to large crops. p.18
Kirilin, S.A. - Let us prepare high-qualified teams. p.18
Leonov, O.N. - Life's work. p.19
Savzdang, V.E. - Exploit. Only three remain of them. p.20
Arkhangelski, P.P. - What the instructor says about the control of migratory locust. p.21
Statute of agronomists in plant protection. p.22
Shustov, I.I. - Controlling susliks in Odessa Province. p.24
Folevov, A.K., and others. - Surface work against susliks. p.25
Chuk, N.F., and others. - Effectiveness of herbicides. p.28
Fridrikhsen, E.I.A., and others. - Phenazone in sugar beet fields. p.30
Shevchenko, P.A. - Root rats in the Virgin Territory. p.31
Tikhonov, V.I. - Cultivation practices in controlling the beetle of the genus Anisoplia. p.32
Makodreba, I.A., Matlukha, L.A. - 2,4-D in soya and millet fields. p.32
Bzikov, M.A., and others. - Testing herbicides. p.33
Velelski, I.N. - Gas sprayers. p.35
Syman, P.E. - From practices of using spray booms. p.36
Rybalov, L.N. - Station for the preparation of working solutions. p.37
Makarevich, V.V., Pasluk, I.I. - Aerosol generator on self-propelled chassis. p.37
Markelov, G.A. - Herbicides in grain fields. p.39
Pukhovich, V.F. - Preparation of solutions for aerosol spraying. p.41
Nikulina, N.K. - Disinfection with sticking additions. p.41
Mosesian, L.I. - Bacterial spot of peonies. p.42
Kochagin, V.N. - Poisonous chemicals. p.43
Kolesov, V.V. - Protection of vineyards. p.45
Dukel'skaya, N.M. - Mole rat. p.47
Prokof'ev, O.N. - Forecast given in time. p.48
Svetilnykh, N.E. - Trap for the garden flea hopper Haliplus ulteri. p.49
Sivachenko, N.V., Shestopalov, I.A. - In Kazakh inspection. p.51
Storage of poisonous chemicals in Poland. p.55
Tactics in controlling spinach leaf miner. p.55
Grigorov, A.N. - Trace element fertilizers helped. p.57
Tarumina, T.A. - Verticillium wilt of tomatoes. p.57
Kalashnikov, K.I.A. - Disinfecting peanuts seeds. p.58
Gortevskii, A.A. - Pilots talk. p.59
Ovodov, I.V. - Help given. p.60. (DNAL)

ZEMLEDELIE [AGRICULTURE] Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 28, no. 4, Apr. 1967

Table of contents translated
Land as national property. p.2
Maksim, D. - New appearance of the village of Terpenye. p.6
Klyukovskii, K. - So that land would be fertile. p.8
Shevtsov, N. - For a fertile hectare. p.10
Pozhai, A. - Let us fulfill our obligation. p.12
Shchukhin, I., Ivanov, N. - Central Chernozem belt. p.15
Lepekhin, A., and others. - Basis of large crops. p.19
Borisenko, K., Ivanov, N., Poshcheyev, G. - On the road to intensification. p.23
Tregubov, P. - Controlling soil erosion. p.26
Burov, D. - Factors improving the living conditions of plants. p.29
Roklanov, L., Kolesova, A., Ivanov, A. - Effectiveness of the tilling of soils. p.33
Adamchik, I.U. - Preservation of moisture in fields after harvesting. p.36
Prokof'ev, V., Rustinov, S., Kozlov, N. - Sowing rates for spring crops in the cis-Ural region. p.37
Anapov, P. - Soil moisture conditions and sowing rates. p.40
Boginich, V., Zhuravlev, G. - Embedding depth of lupine seeds. p.40
Matlis, E. - Controlling Swedish fly. p.41
Kulikovskaya, I. - System of fertilizers in crop rotation. p.42
Romashkov, V. - Winged assistants to farmers. p.45
Knapov, V. - Correcting average norms of fertilizers. p.47
Samokhodskaya, I., Shashkov, B. - Improve the use of machines for tillage and grain sowing. p.50
Problem of the attention of land. p.50
Shpilov, M. - Agromineral work in the agricultural administration. p.58
Gendelman, M., Tomilov, V., Kulemzina, I. - Training agronomists for virgin regions. p.62
Manzhos, P. - Increase agronomical knowledge constantly. p.65
Kupchikov, G. - Agromineralists. p.67
Shkumatov, S. - Care of land. p.68
Gomon, G. - Circular logarithmic rule. p.71
Lisenkov, A.P. - Procedure for counting supplemental wages and bonuses for agronomists. p.72

ZERNOVYE I MASLICHNYYE KUL'TURY [GRAIN AND OILSEED CROPS] Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 2, no. 5, 1967.

Table of contents translated
Tanekev, S. - Thoughts and deeds of rice growers in the anniversary year. p.2
Shchur, M. - Profitableness of grain production in the Ukrainian Polesye. p.7
Mikhailov, V. - The more correctly you sow the more grain you collect. p.10
Sobolev, A. - Expenditures repay for yourselves with interest; growing wheat with irrigation. p.12
Kurilenko, I. - Strong wheat as the wealth of a collective farm. p.14
Sushchevich, A., Shestovets, I. - Pay more attention to the seed production of millet. p.15
Babich, A. - Planters for sowing on small plots. p.16
Zalinskii, V. - Possibilities of increasing the yield of buckwheat in the steppe regions of the Ukraine. p.19
Kalinchenko, D. - Buckwheat as a stubble crop. p.22
Prutskov, G. - Use high cultivation practices in millet growing. p.22
Kas'yanov, I. - Rice as our new crop. p.23
Belousov, A. - Our practice in lentil growing. p.26
Korabitski, N., Kachaev, R., TSarikovskaya, A. - Vetching in Mordovia. p.27
Solov'eva, E. - Treating chick-pea seeds with nitrogen. p.29
Veselovskii, I. - Use of triazines for chemical weed control in pea fields. p.30
Sotnikov, I., Ustin, N. - Large and resistant soybean crops. p.32
Borisov, Z., Salo, A. - Methods of mechanized care in sunflower fields. p.36
Platonov, V. - Gift of Tambor land. p.37
Bebekhi, N. - Use of herbicides in sunflower fields. p.39
Gorbunov, N. - Controlling insect pests of sunflowers in eastern Kazakhstan. p.40
Zholobov, A. - Mustard in the trans-Volga region. p.42
Pisarenko, I. - Increasing the quality of seed. p.45
Iulii, A., Popov, A. - Important possibilities for increasing the yielding of grains in the non-Chernozem zone, from the seminar "Cultivation of the plow layer in the non-Chernozem zone of the U.S.S.R." p.46. (DNAL)

16. TECHNOLOGY

a GENERAL

BELORUSSKII TEKHNOLOGICHESKII INSTITUT Sbornik nauchnykh i rabot. Seriya obshchetechnicheskaya [WHITE RUSSIAN TECHNOLOGICAL INSTITUTE. Papers, Series in General Technology]. Minsk, no. 3, 1966.

Table of contents translated
Adzenko, S.I.A. - Hydrotechnical analysis of a symmetrical single-grooved spillway on a peat bed. p.3
Aitenov, P.I.A. - Calculating initial parameters in compressed and bent rods. p.9
Zlobich, A.V. - Evaluating economic efficiency of gas-jet devices. p.22
Makarevich, S.S. - Graphoanalytical determination of displacements in frames. p.30
Mokhov, P.D. - Measuring engineering properties and deformability of 12KhNZA, 18KhGT and 20Kh steels. p.38
Rott, L.A., Edinovich, A.A. - Stochastic model of the critical state of substance. p.47
Spiridonov, V.M. - Effect of hygroscopic humidity content in wood on its conductivity. p.52
Stodolnik, M.A., Gorbachev, Zh.N. - Partial solutions of the nonlinear equation of parabolic-type diffusion. p.57
Bashai, S.E. - Determining coordinates of three points by two fixed points. p.65
Bashai, S.E. - Carrying down coordinates from station altitude to the earth. p.68
Seryanov, A.E. - Measuring section of projections obtained by a flat ray beam. p.75.

BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY] Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po nadzoru za bezopasnyim vedeniem rabot v promyshlennosti i gosnadzoru [State Committee of the Council of Ministers of the R.S.F.S.R. for Safety Inspection in Industry and Mining]. Moscow, vol. 10, no. 4, Apr. 1966.

Table of contents translated
Lenin's concern for the people's welfare. p.1
Dorodov, L.N. - New means of individual protection for miners. p.3
Kochkarev, I.U.A. - Improve the protection of the electric circuits in mines. p.6
Atembashi, I.F. - Emanation of methane in preparatory workings during blasting operations. p.8
Karpov, V.M. - Safety of blasting operations in mines. p.9
Nikulina, D.D., Gerchenova, N.A. - Increase the control of the condition of pipelines. p.11
Kiriilov, I.E., Kozel'ski, K.S. - Ways of preventing the falling of hoisting devices from the opening of the book. p.13
Morozov, V.M., Rudik, A.V. - Placement of paratus for operator changes. p.16
Kachkin, V.G., Balin, N.M. - Damage to pipes by steam superheaters and economizers of type TP-60 steam boilers. p.18
Kulchikov, M.I. - Once again about automatic control instruments. p.21
Khydentsov, A.S. - More attention to the paint and varnish industries. p.22
Fridland, A.M., Iakimov, V.S., Lituta, V.I. - Preventing accidents caused by falling pieces of rocks and coal. p.24
Permiakov, R.S. - Results of operating deep ore chutes. p.26
Larin, L.S. - Operations in the safety engineering division of a chemical combine. p.29
Karaulov, I.Z., Ambiasov, P.A. - Device for blowing an electric motor with clean air. p.32
Kuzev, D.I.A. - Measures for preventing traumatism and accidents. p.34
Chebotkov, I.P. - Effect of blowing and washing on sudden outbursts of coal and gas in boreholes. p.35
Esterov, I.A. Kh. - Blasting with the help of the KZDSU-62-2 "pyrotechnical" relay. p.38
Pozdnakov, Z.G. - Means of initiating the explosions of charges of commercial explosives without the use of caps. p.39
Andriushchenko, V.N., Tlmonik, B.N. - Preliminary wetting of coal by the method of lengthened boreholes. p.41
Perlin, I.U.P., Listvinskii, V.M. - Controlling the electric contact of rail joints. p.43
Mon'ko, O.P. - Some problems concerning the effect of electromagnetic radiations on the safety of blasting operations. p.44
Popov, S.I., Posokhov, I.U.N., Slizanov, V.G. - Improving the safety in the working of peripheral strips and the laying out of bench slopes in open pit mines. p.45
Baliugant, E.G., Manvelian, E.G. - Removing the deposited paraffin in the lifting pipes of wells and in pipelines. p.49
Kolondovskii, A.S., Khorunzhi, M.V. - Concerning the article by I.U. V. Bakhtir "Improving the electric safety conditions in oil fields." p.51.

- Slavtikhin, P. - Preparation of vessels for the atomization of water. p. 52.
- Serykh, V. P. - Five proposals from innovators of the "Chernovogodugol" Trust. p. 53.
- Antipin, E. S. - Antivibration platform on the excavator. p. 56.
- Letters from the readers. p. 57.
- Consultation. p. 58.
- Valavlin, I. G. - Chemists' work has to be safe. p. 61.
- Information division. p. 61.
- Vol. 10, no. 10, Oct. 1966
- Table of contents translated
- Economics, scientific organization and safety of work. p. 1.
- Pachevskii, L. A., Simanovich, A. M. - Ways of improving the state of mother lumps in the mines of western Donetsk Basin. p. 3.
- Buh, G. I., Peitsey, V. E., Kravchenko, A. N. - Project of standard signaling signs for intramine transport. p. 6.
- Kokotkin, P. I., Moiseev, V. A., Likhut, L. L. - Notes on regulations on the detection of the first signs of spontaneous ignition of coal. p. 9.
- Rasasikhin, V. D. - Blasting operations during the period of ice drift. p. 10.
- Lushnikov, G. I. - Struggle with the sudden breakthrough of underground waters. p. 12.
- Shopa, A. M., Pyshkov, I. U. - Extend the use of economic potentialities in mines. p. 13.
- Dykoyets, G. F. - Regulating the drainage of ore deposits. p. 14.
- Datyov, U. I. - On an unfortunate accident while tending the automated well. p. 16.
- Belov, F. P., Mel'nikov, G. M. - Efficient equipment of the beds of flowing wells with pump manifolds. p. 17.
- Postol'nik, I. U., and others. - Reliability of electric bridge cranes with loading electromagnets. p. 19.
- Sazonov, E. V. - Air purification in the preparatory works of the plants. p. 20.
- Tashmukhamedov, T. R. - Results of inspection work and the ways it may be further improved. p. 25.
- Gol'dberg, Z. N. - In the mines of the "Artemugol" Trust. p. 28.
- Potapov, A. I., Usik, I. N., Ostrovskii, I. A. I. - Results of dust control in open-pit mines. p. 33.
- Tunkin, P. D. - Inspection results at pulp and vanillin plants. p. 33.
- Vorobiev, P. N. - First steps under the new system of work. p. 36.
- Stilarchev, V. I., Megeria, V. M., Shevtsov, N. R. - Improving the water content in blasting operations. p. 39.
- Kholzakov, F. M., Ivachenko, V. G., Bannov, A. V. - Adjustment for measuring gas pressure. p. 41.
- Sachkov, A. F., Alagulov, I. V. - Dustiness of air during the boring of holes with ordinary and multi-percussion drills. p. 42.
- Franks, B. P., Vavrikh, A. T. - Simple and reliable apparatus for magnetic treatment of water. p. 43.
- Kapishin, V. F., Steinyat, M. S., Chernov, B. S. - Signaling anemometer. p. 45.
- Zakharov, V. F., Rozlovskii, A. I., Stizhevskii, I. I. - Conditions for the utilization of industrial fire preventing devices. p. 47.
- Avramchenko, I. A. - A problem which must be solved. p. 49.
- TSepilev, F. K. - Utilizing roof rock in the prevention of endogenic fires. p. 50.
- Filov, I. G., Konukhov, A. G., Tomashevskii, L. P. - Concerning the article by A. B. Zakharov, V. G. Ignatiev, and F. F. Finner, "On the use of combustion inhibitors for preventing endogenic fires in coal blocks." p. 51.
- Kunashov, L. A., Sevost'yanov, S. I. - Once again about the means of individual protection in the process of eliminating petroleum and gas spouters. p. 52.
- Kovalenko, N. G. - Device for fixing the stationary branch of the compound pulley cable. p. 53.
- Cherlykovtsev, V. M. - Automatic feeding and signaling of the maximum level of water in low-capacity boilers. p. 54.
- Glukhikh, V. A. - Healing of spherical vessels operated under pressure. p. 54.
- TSimman, I. D. - Sealing liquid for gas analyzers. p. 55.
- Letters from our readers. p. 56.
- Consultation. p. 57.
- Nine inspection in England. p. 59.
- Rozenberg, F. I. A. - Work at the courses on the exchange of results in dust prevention in coal mines. p. 60.
- Vekslar, V. L. - Conference on the safe operation of objects controlled by the boiler State Inspectorate for Steam Boilers and Heat Installations. p. 62.
- Fedorov, M. M. - Speed limiters on diagrams of automatic hoisting machines. p. 9.
- Rudenko, V. D. - Boring holes in gas-producing ore fields. p. 12.
- Berdouchnykh, A. G. - Minimal cutoff length of a boring cable in the inspection of electric drills. p. 18.
- Makel'movskii, V. E. - For safe use of piston compressors. p. 17.
- Andreev, E. T., Ivashchenko, G. V. - Mine timbering without formwork. p. 18.
- Stafey, P. F., Artem'ev, V. S. - Secondary crushing of oversize ores with explosive charges in a liquid medium. p. 20.
- Upolovnikov, P. F. - Increasing the safety of attaching the drill hose on derricks. p. 22.
- Gazarian, G. S. - Preventing explosions when boring holes and blowing the face with air. p. 23.
- Egorov, S. V., Nikolschenko, G. N., Obnovlenskiy, P. A. - Special systems of automatic safeguard while carrying out chemical processes. p. 25.
- Prolov, N. A., Shilkin, N. V., Grigor'ev, I. A. - Ventilation bore holes of a large diameter for mines of the "Luganskugol" Combine. p. 28.
- Sapellin, M. I. - Underground staking blasting in mine No. 18 of the "Vokutugol" Combine. p. 32.
- Durov, A. V., MD'man, E. N. - Preventing mine dusts in the "Kapital'naya" mine No. 29. p. 34.
- Ivashkin, V. S., Kravtsov, A. P. - Method of dust prevention during excavation. p. 35.
- Gin', T. K., Sialanba, V. I. - From the practice of inspection work of the district inspectors in chemical industries with explosion and fire hazards. p. 39.
- Taranov, P. I. A., and others. - Peripheral blasting with the preservation of lateral walls. p. 39.
- D'yachkov, A. I., Zakovirashin, V. A. - Composition of the mine atmosphere in the Arden mines deposit. p. 40.
- Gerasimenko, G. P. - Calculation of hoisting cables for deep mines. p. 42.
- Emereev, V. I., and others. - Studying the static electricity in the pneumatic conveying of loose explosives. p. 43.
- Diadechkin, N. I., and others. - Safety conditions in shot-delay blasting of deep boreholes. p. 47.
- Karantov, I. - Again about the deficiencies in the design of the electric equipment of industries with explosion hazards. p. 48.
- Fennel, E. A. - Evaluation of the sparkproofness of electric. p. 49.
- Parfenov, A. P., Kosharnov, M. P. - Protective cover for the mechanism of rearrangement of the drums of hoisting machines. p. 51.
- Readers' letters. p. 53.
- Consultation. p. 55.
- At the enlarged conference of the Committee of the State Mining Inspection of the U.S.S.R. p. 58.
- Readers' conference. p. 61.
- Vol. 11, no. 4, Apr. 1967
- Table of contents translated
- V. I. Lenin's struggle for the happiness of the working people. p. 1.
- Apil'kin, S. S. - Past achievements and the problems of the Chinese-Ingush mines. p. 4.
- Berdnikov, M. D., Semin, A. P., Astrel'nov, V. K. - Ways of improving the inspection work. p. 9.
- Kotlarskii, G. P. - Eliminate the causes of the breakdown of mining machines. p. 14.
- Ballalita, V. I. A., Kuznetsov, A. M., Petrov, P. P. - The resistance of floor of doors. p. 16.
- Shadrov, A. A. - How to conduct an analysis of traumatism in open-pit mining. p. 19.
- Samolovitch, I. S., Kilmovskii, A. M., Lokotsynin, V. P. - Revise the divisions of "Electrical engineering" in the general safety regulations and the regulations on technical operation in open-pit mining. p. 23.
- Leinai, F. M., Koshman, A. - Grabs should conform with the load lifting capacity of cranes. p. 26.
- Ol'khovskii, N. E., Zhinin, V. I. A., Zinov, A. A. - Design of safety membranes and the result of their utilization. p. 28.
- Izakov, G. I. U. - Effect of the new system of planning on the state of industrial safety. p. 33.
- Artemenko, A. A. - Significance of the plans for the elimination of possible accidents at the chemical plants. p. 34.
- Molchanov, I. A. - Truck-mounted cranes work without accidents. p. 36.
- Iatsenko, I. S., Podpal'nyi, V. N. - Method of preventing spontaneous heating of coal before the isolation of the accident area. p. 38.
- The foremost people of science. p. 39.
- Continuing the talk about industrial aesthetics. p. 40.
- Maevskaya, V. M., Raptsevitich, A. P. - Measuring low air velocities in mine workings. p. 41.
- Akuratov, V. N., Permatkov, R. S. - Control of snow avalanches in open-pit mountain mines. p. 44.
- Ovsiannikov, I. U. N. - New protective belts for oilmen. p. 48.
- Consultation. p. 50.
- TSarev, V. V. - Chemical neutralization of nitrogen oxides during blasting operations in mines. p. 51.
- Kostarev, A. P. - Work of the State Mining Inspection of the Polish People's Republic and the Czechoslovak Socialist Republic. p. 52.
- Gol'dberg, Z. N. - Conference on safety measures in the transportation, distribution and utilization of gas fuel. p. 56.
- Readers' conference. p. 59.
- In the State Mining Inspection of the U.S.S.R. p. 61.
- Geophysical borehole apparatus in prospecting for useful minerals. p. 62.
- Vol. 12, no. 5, May 1967.
- Table of contents translated
- Work safety is the concern of the government. p. 1.
- Ivanovskii, G. F. - Development of the petroleum refining and petrochemical industries. p. 4.
- Zarovnyi, P. D. - Safety measures in the use of gas. p. 7.
- Ashava, V. G. - Partitioned blind workings in areas of accidents in mines. p. 10.
- Burov, N. F., Bilyaev, V. P. - Effect of age and experience of the workers on industrial traumatism. p. 12.
- Zhelebo, V. N. - Traumatism during blasting operations in the Kazakhstan mines and its causes. p. 14.
- Plakhot, V. G. - Expand the rights of the State Mining Inspection. p. 17.
- Ostrovskii, N. D., Skolnikov, R. I. - Preventing deficiencies in the construction of mines. p. 20.
- Artemasov, A. D. - Analysis of the causes of accidents and traumatism in the chemical industries with explosion and fire hazards and measures for preventing them. p. 22.
- Slavtikhin, P. A., Fignurov, G. V. - Artificial raving in of the roof by blasting in longwalls of the "Vokutugol" Combine mines. p. 27.
- Kaprov, A. M., and others. - Degassing a worked-out area in the pillar system of mining. p. 28.
- Petrov, I. P., Apykhin, I. N. - Dust prevention during the operation of cutters in the mines of the "Slavsky" Combine. p. 30.
- Red'ko, I. A., Oshkinskii, I. B. - Performance of the VRTSD-4, 5 largest mine fan at the Khar' Mine. p. 33.
- Colopov, I. Z. - Work matters of the Donetsk Chemical Reagent Plant. p. 36.
- Romashkin, V. V. - Three years' work without an accident. p. 37.
- Dmitrov, V. I. A., Pak, P. B., Mendei, G. V. - Dependability of mine apparatus with sparkproof control. p. 40.
- Abramov, F. A., Bolko, V. A., Merzhko, M. I. - Sparkproof photoelectric anemometer. p. 42.
- Pelov, K. N., Chupikov, V. I. - Dust prevention in the mine air during diamond drilling of holes. p. 44.
- Filatov, A. D., and others. - Physical methods of testing parts of the mechanism and metallic structures of cranes. p. 46.
- Dmit, E. V., Pavlov, A. A., Sergienko, V. K. - Improvement of the nozzle for the pneumatic removal of dust. p. 47.
- Plotko, A. A. - Hooks of increased dependability. p. 49.
- Trukhachev, A. I. - Protective casing for a circular saw. p. 50.
- Readers' letters. p. 51.
- Consultation. p. 52.
- Kostarev, A. P. - Mine rescue work in the Polish People's Republic and the Czechoslovak Socialist Republic. p. 53.
- Manevich, V. F. - Conferences-seminars of public inspectors on safety measures in coal mining. p. 56.
- Tikhonov, V. - All-Union public inspection measures for raising the quality of production, and the safety and improvement of working conditions in the coal and shale industries. p. 60.
- Kozabiev, V. P. - All-Union scientific technological conference on electric safety. p. 60.
- In the State Mining Inspection of the U.S.S.R. p. 63.
- *GODEZHIA I KARTOGRAFIJA (GODESY AND CARTOGRAPHY). Organ of Glavnoe upravleniye gosdolz i kartografii Gosudarstvennogo geologicheskogo komiteta SSSR [Main Administration of Geodesy and Cartography of the State Geological Committee of the U.S.S.R.]. Moscow, no. 3, Mar. 1967.
- Table of contents translated
- Rent'ov, P. I. - Pay greater attention to safety measures in field work. p. 3.
- Pioniskii, S. S., and others. - Experience gained in working with GP-314 geodimeter. p. 6.
- Volkov, I. U. K. - Distance correction for centering geodimeter. p. 10.
- Uspenskii, M. S. - Reducing hole diameter for marking points. p. 11.
- Kol'menskii, V. V. - Marking points using steam drawing unit. p. 13.
- Gerasimenko, M. G. - Experience in organizing traverse surveys in not readily accessible regions. p. 14.
- Filatov, A. M. - Experience in erecting signals with rhombic grids. p. 17.
- Ivanov, I. U. M. - Experience in fixing control points. p. 17.
- Durneva, P. I., Spikhonov, A. I. - New T5 theodolite and results of its testing. p. 18.
- Budnikov, N. A., Storozhenko, A. F. - Stability of subsurface control network. p. 27.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]

Issued by Sovet narodnogo khozaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.], Eriuan, vol. 10, no. 2, 1967.

- Table of contents translated
- What economists are saying p. 3
- Some results of the economic reform p. 6
- 6-billion election vote p. 8
- Avakian, M., Mairutian, T., Sarkisyan, R. - Panels for frame construction, p. 10
- Khachatryan, A., Chigagyan, R. - Producing parts by ceramic-metal methods, p. 13
- Gasparyan, V., Pukhat'skaya, A. - Using mathematical methods in the textile industry p. 17
- Ter-Oganyan, M. - Efficiency of the production of light-weight fillers, p. 19
- Scientific organization of labor should be in every enterprise p. 23
- Gazarian, G. - Efficient system for complex processing of gasoline fractions p. 24
- Akopian, A. - Experimental investigation of the rigidity of reinforced-concrete beams, p. 27
- Artemyan, G. - Investigating residual stresses in welded steam piping p. 30
- Davoyan, L., Loktev, S. - Synthesis of higher alcohols from convoluted natural gas p. 32
- Akhavan, K. - Thermal analysis of low-capacity asynchronous motors, p. 33
- Amiryan, K., Tatrian, Sh. - Kinematics of planetary gears converting continuous rotating motion to reciprocal motion, p. 36
- Alvazian, Kh. - Temperature regulators for electronic circuits, p. 41
- Zakharian, A., Terlan, S. - Corrosion protection of condensate pipes and heat-exchange equipment, p. 42
- Avakian, Kh., Fumanian, R. - Making cores of murex based on chemical solidification, p. 44
- Mikoyan, G. - Calculating the rigidity of floors between slabs, p. 46
- Tatevosian, S. - New attachments for machining complex surfaces p. 48
- Lawrence of Larkaba, p. 50
- Peirov, M. - Reactivation of Kafan, p. 52
- Arakelov, A. - Science and reform, p. 54
- New developments in science and technology p. 58
- Sukhanov, K. - Scientific and technological societies and industrial production, p. 60
- Made in Armenia p. 61
- Wandering poles p. 62
- Arzumanyan, A. - Heat gathering of boxes, p. 63
- Kocharyan, S. - Semiautomatic vibratory machine tools, p. 63
- One more innovation, p. 66
- News from plants, factories, construction sites, p. 67
- Wages of construction workers, p. 68
- Vol. 10, no. 3, 1967.
- Table of contents translated
- Sarkisyan, L. - Improve technical level of production output, p. 3
- The industry workers contribute to the anniversary, p. 5
- Katapultian, T. - Prospects of seismic waves, p. 6
- Gevorkian, Kh., and others - New kind of ceramic raw material, p. 11
- Agabekov, A. - Operating a motor truck in mountains, p. 14
- Davlian, V., Khachatryan, S. - Technical level of Russian low-power synchronous machines, p. 16
- Gambaryan, S., Balianova, A., Chelverikov, S. - Investigating glasses in the system $MgO-Al_2O_3-SiO_2$, p. 19
- Ovchinnik, V., Abaltan, N., Mirzayan, M. - Rapid determination of anti-corrosive properties of paint and varnish coatings, p. 21
- Avakian, R. - Effect of lubricating and cooling fluids on the quality of a machined surface, p. 24
- Manukian, N. - Obtaining powder from iron oxides, p. 27
- Isakhanian, G., Elin, V. - Pipes from polyethylene coating, p. 31
- Darbinian, G. - Perfect organization of an enterprise is a guarantee for its efficient operation, p. 33
- Zaratsian, K. - Some conditions for the transfer of an enterprise to new methods of planning, p. 36
- Kazarian, IU. - High-speed drying of paint and varnish coatings, p. 38
- Gukasyan, N. - New developments in the study of carding process of fibrous materials, p. 41
- Boldizhan, A., Khachatryan, S. - Automatic drive of "Kotton" machines and possibilities for their modernization, p. 44
- Pastovkin, A., Kolosov, S. - Results of industrial tests of changed reagent conditions at the Agarak Dressing Plant, p. 45
- Akopian, K. - 182 running meters in 31 days, p. 48
- Technical aesthetics, p. 50
- Khachatryan, V. - Cooperating with industrial production, p. 52
- New developments in science and technology, p. 54
- Vartanyan, S. - Some problems in the chemistry of acetylene, p. 56

- Information from plants, factories, and construction sites, p. 58
- Magfarian of chemistry, p. 61
- Krypin shop, p. 61
- Terincev, A. - Innovators are searching, p. 62
- Saghar, R. - Universal glue, p. 62
- Readers about our periodical, p. 64
- Papian, K. - Why is the production of carbonated beverages lagging? p. 67
- Ovaktanian, A. - Production is the center of attention, p. 68
- Regulations for the legalization of missions, p. 70
- Translating machine, p. 72
- Manukian, N. V. - A valuable monograph, p. 74

FALLINN POLYTECHNICAL INSTITUTE. Tolmetsed Seila B. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies] No. 217, 1966 (Izvestiya i khorozhda metallor [Wear, fatigue, and corrosion of metals]), no. 2 No. 210, 1966 Teploenergetika [Heat engineering], no. 6 No. 212, 1966. Sbornik statei po mashinostroeniyu [Papers on machinery manufacture], no. 3 No. 213, 1966 Sbornik statei po khimii i khimicheskoi tekhnologii [Papers on chemistry and chemical technology], no. 16

TALLINN POLYTECHNICAL INSTITUTE. Tolmetsed Seila B. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies] No. 11, 1968.

TEKHNIČESKAYA ESTETIKA [INDUSTRIAL AESTHETICS]. Issued by Vsesoyuznyi nauchno-issledovatel'skii institut tekhnicheskoi estetiki [All-Union Scientific Research Institute of Industrial Aesthetics] Moscow, vol. 4, no. 2, Feb. 1967

- Table of contents translated
- Second Conference of the Representatives of Organizations for Industrial Aesthetics of Socialist Countries, p. 1
- Kachalova, L. - Office equipment is the technological basis for scientific organization of the administrative work p. 3
- Filenkov, IU. - Office furniture at the exhibition "Interior design 60," p. 4
- Mimov, V. - At the congress of english designers, p. 9
- Maidel, A. - Function and aesthetics, some problems of their correlation, p. 14
- Blokin, V., Vlasov, A. - Industrial safety signs, p. 22
- Cherkasov, G. - Importance of industrial architecture, p. 24
- Azikan, D. - Form as a visual message, p. 28
- Andreev, O. - New design of the body of the television set, p. 31
- Shaping of the handles of hand tools, p. 33
- At the Second Exhibition of Industrial Design p. 35
- Antonov, R. - A. M. Rodchenko; on the 75th anniversary of his birth, p. 38

TEKHNIKA - MOLODEZH [TECHNOLOGY FOR YOUTH]. Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 35, no. 5, 1967

TITLIS. GRUZINSKII POLITEKHNIČESKII INSTITUT Trudy [GEORGIAN POLYTECHNIC INSTITUTE. Transactions] No. 2(95), 1964. Construction and applied mechanics.

- Table of contents translated:
- Turashvili, A. S. - Measuring the productivity of labor in construction, p. 3
- Amaglobeli, I. P. - Simplification of A. Nikuradze's graphs, p. 9
- Adamia, I. V. - Ruins of ancient stone structures of mortared walling in Abkhazia, p. 15
- Adamia, I. V. - The Abkhazian Great Wall, p. 23
- Agabekova, Z. G. - Experimental testing of the durability of Keramzit concrete under a pulsating load, p. 33
- Bobokhidze, Sh. S. - Device for measuring pressure and velocities in a flow of water, p. 41
- Bobokhidze, Sh. S., Pavlenishvili, B. D. - Laboratory studies of the mechanical wash-out of soil through holes in braces for riverbeds, p. 45
- Berdze, G. I. - Climate microzoning of the suburban region of Tbilisi for the construction and location of Government agencies and resthouses, p. 51
- Gachechiladze, G. D. - Stresses in concrete in the self anchorage zone of prestressed reinforcement bars in reinforced concrete structures, p. 61
- Origalashvili, K. Z. - Effect of the measurements of a model on the parameters of the contours of a flow around plates in modelling, p. 69
- Danelia, Z. N., Maglakelidze, V. A. - Laboratory studies of the water-supply station under construction on the river Kaitag in Tadzhikistan, p. 77
- Dolidze, D. C., and others - Experimental study of vibrations of interfloor ceilings at a silk mill, p. 85

- Zambakhidze, G. N., Danelia, N. I. - Rotation of a real liquid and causes of the formation of radial flows, p. 91
- Zambakhidze, G. N., Danelia, N. I. - Laws governing the motion of foreign bodies in a cladding liquid, p. 97
- Zedzhidze, A. S., Kutateladze, K. V., Gegelashvili, IU. V. - Improvement of the water supply system in Tbilisi, p. 101
- Kakushadze, A. M., and others - Circulation of the resistance of plates and shallow shells to the action of concentrated forces and momentums, p. 107
- Kakushadze, A. M., Dzharvashvili, V. Sh., Kakashia, K. I. - Determination of flexures in rectangular plates of variable rigidity under arbitrary load and with any pattern of support along the contour, p. 125
- Kandelaki, T. Sh. - Differentiated requirements of architectural planning for sanatoriums satisfying various medical needs, p. 131
- Kvachadze, D. C. - Determining the stresses and strains in the basis in shifting loads from separately located foundations at considerable depth, p. 139
- Kakushadze, A. M., Kakashidze, S. S. - Design of plates rigidly fixed at two opposite sides and loaded at two other sides being under the action of concentrated forces and momentums, p. 143
- Kokhrelidze, P. I. - Design of a shallow shell of double curvature using the potential energy method, p. 149
- Kutateladze, N. G., Danelia, Z. N. - Full-scale studies of failures with bottom gales, p. 150
- Kuchadze, N. A. - Design of arches of dams allowing for different elastic properties of the underlying rocks, p. 173
- Likhachev, L. L. - Technology of manufacturing panels with loop outlets for open joints in large-scale panel buildings, p. 181
- Motsonelidze, N. S. - Design of circular arches with elastically fixed abutments for vibration resistance and stability, p. 189
- Mukhadze, M. G. - Approximate solution of the problem involving flexure of a plate shaped as an elliptic ring with clamped edges, p. 195
- Mchedlishvili, R. I. - Creep of Keramzit concrete, p. 205
- Mshvenradze, D. M., Tkumalidze, R. K. - Mortarless walling of composite foundations built from interlocking blocks, p. 209
- Omazde, G. V. - Design of frames and strip foundations with allowance made for their joint operation, p. 225
- Razmadze, A. N. - Some problems affecting the seismic stability of suspension bridges, p. 231
- Razmadze, A. N., Kokoshashvili, R. I. - New types of poles for electric transmission lines in mountainous regions, p. 238
- Razmadze, A. N., Melashvili, IU. K. - Some problems in determining the frequencies of free vibrations of an elastic string, p. 245
- Savitskii, I. A. - Design of hingeless concrete arches using the method of final equilibrium, p. 253
- Slovinskii, V. A. - Carrying power of flexible prestressed reinforced-concrete rods when operating under an external force, p. 259
- Slovinskii, V. A., Blus, I. E. - Dynamic tests of an experimental span from composite prestressed reinforced concrete in the shape of an arch with a span of 14 m, p. 265
- Togonidze, V. R. - Mikhail Nikolaevich Gerasimov and technology, p. 269
- TSagarali, Z. V. - Rebuilding Leningrad embankments, p. 279
- Chugovadze, D. N. - Determining the capacity of a diaphane engine, p. 289
- Chkushvili, A. G. - Transverse vibrations in beams on an elastic base taking the mass of the movable load into account, p. 293
- Shushishvili, A. M. - Flexural vibrations of rods under compression and torsional stress, p. 297
- Shengellia, I. T. - Calculating the base area of non-symmetrical foundations, p. 305
- Shengellia, G. G. - Determining the stressed state of a cylinder under arbitrary symmetrical loads applied at its ends, p. 311
- Vlasov, I. S. - Experimental study of the rigidity of Keramzit-concrete flexible elements under temporary loading, p. 317

VOPROSY IZOBRETEL'STVA [PROBLEMS OF INVENTION]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut patentnoi informatsii i tekhniko-ekonomicheskikh testirovani [Central Scientific Research Institute of Patent Information and Technical Economic Studies]. Moscow, no. 2, Feb. 1967.

- Table of contents translated
- Artemov, E. I. - Patent services as an important aid to the inventor, p. 6
- Tuichenko, A. K. - Demarcation of different kinds of disputes, p. 10
- Sergeev, IU. D. - Some problems of authorship in Soviet patent law, p. 16
- Khelfets, B. S. - Basic principles of the patent legislation of the Syrian Arab Republic, p. 19
- Zakhsenberg, I. B., Sindlevich, I. M. - Organizational equipment and patent information, p. 21

- Budnikov, V. N., and others - Studying a plasma produced by a superhigh frequency field with the use of electron cyclotron resonance. Part 1. Absorption of superhigh frequency power. p. 651.
- Budnikov, V. N., Vinogradov, N. I., Golant, V. E. - Studying a plasma produced by a superhigh frequency field with the use of electron cyclotron resonance. Part 2. Equilibrium of charged particles in a plasma. p. 661.
- Ilenko, B. P., Latsko, E. M., Zalkind, V. M. - Studying the capture of a plasma in a closed trap. p. 668.
- Koslin, V. N., Vinogradov, N. I., Belousov, V. V. - Some results in studying high-voltage pulse discharge in long pipes. p. 673.
- Kalmykov, A. A., and others - Studying the current layer and plasma acceleration in a coaxial plasma gun. p. 677.
- Gabovich, M. D. - Radial diffusion of charged particles and the effectiveness of an ion source with electron oscillations in a magnetic field. p. 680.
- Andriukhina, E. D., Shpilgel', I. S. - Nonlinear phenomena in the operation of a titanium plasma source. p. 694.
- Motorenko, A. P., Belousov, E. V. - Skin effect in the case of an intensive superhigh frequency discharge. p. 693.
- Livshits, A. I. - Focusing of a thermal beam of hydrogen atoms in the field of a six-pole magnet. p. 695.
- Danilov, L. L., Rodionov, S. N., Silvestrov, G. I. - Parabolic lens for the axially symmetric focusing of relativistic particles. p. 694.
- Serebrianki, A. N., Kolker, V. E. - Focusing and dispersion properties of the field of a cylindrical capacitor. p. 922.
- Rudnikskii, E. M. - Density distribution of an ion current along the cathode in Penning discharge. p. 927.
- Kornel'son, V. S. - Calculation method of the inner structure of nonlaminar intensive band-type beams of charged particles. p. 932.
- Veduta, A. P., Leonovich, A. M. - Measuring the temperature of ruby rods of a laser during pumping by the changes of the double refraction. p. 942.
- Mozozov, V. N., Orlovskii, A. N. - Operation of lasers with a Q-factor of the resonator depending on the intensity of the radiation field. p. 947.
- Gordon, E. B., Ponomarev, A. N. - Calculation of molecular streams along long channels. p. 953.
- Gordienko, V. I., Pivovarov, L. I. - Studying piezoelectric conductivity between electrodes in a vacuum with the aid of an electron projection. p. 960.
- Shohodenik, G. I. - Solution to some equations characterizing basic parameters of a mass spectrometer. p. 961.
- Gor'kov, P. I. - Use of the composite probe method in measuring the Q-factor and shunt resistance of resonance modeling systems. p. 971.
- Belkin, G. S., Kiselev, V. I. A. - Effect of electrode material on the erosion at strong currents. p. 977.
- Drobovskii, E. M., Rozov, S. I., Stedenkov, A. M. - Effect of the azimuthal plasma inhomogeneity in a homopolar. p. 979.
- Paslavskii, E. S., Samoilenko, I. U. I. - Applying a distributed system of automatic control for the stabilization of plasma objects. p. 983.
- Stalukin, M. V., Turukhano, B. G., Naldenkov, A. F. - Holography of media with small changes of the refractive index. p. 980.
- Lrensia, B. G., Miller, M. A., Potulakhov, B. K. - Modeling the escape of gaseous jets by means of plasmoids. p. 987.
- Ermanov, F. A. - Variational principle for symmetrical magnetohydrostatic fields. p. 989.
- Sith, V. P. - Ion-cyclotron plasma instability in a strong high-frequency field. p. 991.
- Namitkov, K. K. - Erosion of electrodes in the case of high-current pulse discharges. p. 993.
- Belkin, G. S., Kiselev, V. I. A. - Characteristics of the erosion of electrodes at strong pulsed currents. p. 996.
- Shuleiko, L. - Maintained airplanes, fought with enemy. p. 33.
- Egor, S. M. - IU-154 reaches the lines. p. 36.
- Oslonov, N. - Components of combat readiness. p. 39.
- Chivkin, A. - Fighter-bombers attack rocket sites. p. 43.
- Solodovnikov, A., Khatuntsev, I. - Piloting MI-6 in mountains. p. 45.
- Rivkin, B. - What does a cadet expect from a flight instructor? p. 49.
- Solomonov, P., Bashinski, A. - Recording instruments exist, but how are they used. p. 52.
- Medvedev, N. - Engineer and economic work. p. 56.
- Ermol'chuk, V., Izotov, D. - Replanting a soil runway. p. 60.
- Spitsyn, V., Sokolov, A. - New way for reducing the resistance of an airplane. p. 63.
- Ugarov, A. - Dangerous carelessness. p. 70.
- Vladov, M. - Decompression disorders. p. 75.
- Platakin, D. - Physical exercises in flight. p. 76.
- Stepanovskii, P. - In the fifth ocean (conclusion). p. 79.
- Crew of courageous men. p. 80.
- Kalov, A. - Immortal captain. p. 83.
- Kovalev, S. - Here Vietnam youth become air fighters. p. 87.
- KRYLIA RODINY (WINGS OF THE MOTHERLAND). Issued by Vsesoyuznoe dobrovol'noe obshchestvo sodel'stvia s militsiavskimi i flotom [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 18, no. 3, Mar. 1967.
- Table of contents translated:
- Borders of the anniversary year. p. 1.
- Records of parachutists. p. 2.
- Chechneva, M. - Anniversary. p. 4.
- Shatunov, N. - Four meetings. p. 6.
- Savin, V. - Beginnings of a great pathway. p. 8.
- Mukha, S. - Master of the airplane. p. 11.
- Balakin, N. - The banner is in dependable hands. p. 12.
- Poinenko, V. - A pledge of success. p. 15.
- To help participants of the anniversary Spasitel'skaya Inseri.
- Chernyavskii, I. A. - Aeronautical sports find a way to the movie screen. p. 17.
- Koval', A. - On takeoff. p. 18.
- Lebedinskii, M. - Creativeness, labor, flight... p. 20.
- Mariem'yanov, V. - Vertical roll. p. 22.
- Berezhn, V., Lipatov, G. - Breezes. p. 24.
- Soviet airplanes. p. 20.
- Platenko, V. - Airplane models at takeoff. p. 28.
- Vasil'ev, A. - Experimental aircraft. p. 29.
- Vol 18, no. 4, Apr. 1967.
- Table of contents translated:
- Sixth All-Union Conference of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. p. 2.
- An important stage in the study of space. p. 3.
- Rebrov, M. - Everyday life of cosmonauts. p. 4.
- Pavlov, I. - Fulfilling Lenin's instructions. p. 6.
- Shatunov, N. - They will become officers. p. 8.
- Zibavskis, I. - Clubs are gaining altitude. p. 10.
- Ignatiev, S. - Such is his profession. p. 12.
- Lisov, I. - A jump and its evaluation. p. 14.
- The breathing of the sky. Inset.
- Perlov, B. - Under a unified program. p. 16.
- Popovitch, P. - On the approaches to a cosmological. p. 20.
- Soviet airplanes. p. 22.
- Brinkov, A. - "Heavenly" doctor. p. 24.
- Kostenko, I., Zamiatin, V. - "Flooding" equipment. p. 26.
- Competition is a holiday. p. 28.
- Vasil'chenko, V. - Experiments and creative searching. p. 30.
- REFERATIVNIYI ZHURNAL VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS: AIR TRANSPORTATION]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967. Avtor'skii ukazatel' za 1966 g. [Author Index for 1966] [This journal is also issued in Paris.]
- Aviation Engineering]. Moscow, vol. 10, no. 1, 1967.
- Table of contents translated:
- Kuznetsov, A. A. - Relationship between the cost of an aircraft and the weight and resistance of airframe accessories. p. 3.
- Lobkov, N. S. - Investigating the effect of nonlinear factors on the vibrations of a rod in a gas flow. p. 10.
- Sakovskii, S. A. - Control of a space vehicle with a limited-power engine approaching a fixed planet. p. 18.
- Shaldakov, V. I. - Aerodynamic analysis of the lifting rotor of a helicopter under conditions of vertical descent by the method of annular vortices. p. 29.
- Kabanov, V. V. - Stability of an anisotropic circular cylindrical shell subjected to compression and internal pressure. p. 37.
- Nerubaitis, B. V. - Applying V. Z. Vlasov's variational method to the calculation of a circular cylindrical shell for local loading. p. 45.
- Starov, V. N., Kharanov, Kh. S. - Inverse symmetric boundary effect in a circular cylindrical shell. p. 51.
- Isaev, E. M. - Stability of a cylindrical shell under stressed state caused by axisymmetric boundary effect. p. 57.
- Belik, N. P., Kosarev, D. A. - Steady heat transfer through a ribbed wall with radiation at a variable coefficient of heat conductivity of the material. p. 61.
- Vidin, I. U. V. - Temperature field of an infinite plate at a variable coefficient of heat transfer. p. 65.
- Lokal, V. I., Kluchnikov, G. M., Khatullin, R. G. - Energy losses in gas-turbine units connected with air tapping for cooling. p. 70.
- Rutovskii, V. B. - Gas-dynamic analysis of a diffusion combustion flame in a conical flow. p. 79.
- Chutov, R. K. - Approximate calculation of the geometry of electrodes for the formation of a cylindrical beam of charged particles. p. 87.
- Burmistrov, V. P. - Deformation of end-limited grains used in solid-propellant engines caused by axial loading. p. 93.
- Emin, O. N., Zvereva, R. A. - Selecting the type and parameters of a turbine operated by a compressed-air bottle. p. 98.
- Zenkov, A. G. - Designing air-cooled sleeve-type blades of uniform strength. p. 107.
- Zornov, I. A. - Calculating radiant heating of tubular billets in turning and pressing. p. 114.
- Kataev, I. U. P. - Determining the ovalness of pipes subjected to plastic bending. p. 118.
- Mkhitarian, A. M., Ovsianikov, M. P. - Coefficient of the rate of flow and pressure on the surface of a hypersonic conical flow. p. 125.
- Vakhtov, M. B. - Stress analysis of thin-walled low-aspect wings. p. 128.
- Ivanov, V. V. - Temperature conditions of a solid under variable conditions of heat transfer on its surface. p. 133.
- Abramovskii, E. R., Chepurnov, V. N. - Flow field between the shock wave and the side surface of a blunt cone moving with high supersonic speed. p. 135.
- Georgii Vladimirovich Kamenkov, obituary. p. 143.
- SAMOLETOSTROENIE I TEKHNIKA VOZDUSHINOGO FLOTA [AIRPLANE MANUFACTURE AND TECHNOLOGY OF THE AIR FLEET]. Kharkov, no. 7, 1966.
- Table of contents translated:
- Korshunov, M. A. - Using the methods of mathematical statistics in determining the weight of an empty aircraft. p. 3.
- Drekhin, N. I. - Motion of a gyroscope fixed on a rocking foundation with friction in axes of the gimbal suspension. p. 12.
- Brav, B. S. - Effect of air suction on moment characteristics of a thin profile with a flange. p. 17.
- Manshinov, D. A. - Using nonstationary sources and outlets for calculating the nonlinearity of gas-dynamic processes in exhaust systems of internal combustion engines. p. 22.
- Polinikov, A. E., Stepanov, I. U. V. - Some results of experimental investigation of flat compressor grids with aspect ratio of blades. p. 28.
- Belan, N. V., Ershov, V. N., Pavlenko, G. V. - Determining the limits of steady performance of stages of an axial-flow compressor using the raised method. p. 32.
- Balybordin, V. V. - Heating of a vortex profile. p. 37.
- Kalevich, V. V. - Effect of wave processes on the stability of a follow-up hydraulic system. p. 40.
- Mukeev, A. I. - Effect of the field of deformations and the angle of the installation of a strain gauge on the errors of measurements in strength tests. p. 44.
- Lubarski, T. M. - Solution of the two-dimensional contact problem for articulated plates. p. 49.
- Kalashov, A. V., Tokarev, V. P. - Effect of the frequency of loading on the strength characteristics of V95 aluminum alloy. p. 54.
- Alekseev, I. U. N., Tishchevskii, I. S., Doktorov, M. E. - Determining the fields of displacement speeds of the bent elements of a strip during its shaping by rolls of a section bending mill. p. 60.
- Kin, S. S. - Stability of the shells of revolution considering initial flexures. p. 70.
- Savransov, V. V. - Determining the work of deformation in the process of expansion of tubular billets. p. 81.
- Lopatkin, A. I., Kas'ian, V. G., Savransov, V. V. - Using high-speed motion-picture photography in investigating the process of rapid deformation. p. 85.

- Vaisblat, M. B., Golub, S. I., Chernozhkov, V. B. - Calculation of specific expenditure of heat in multisection evaporating devices. p. 62.
- Itzen, A. M., Kostin, V. M. - Collecting highly dispersed aerosol in plate columns by the method of condensation enlargement. p. 63.
- Susnov, E. I. A., and others - Use of columns with sieve-plates for liquid extraction. p. 65.
- Aerov, M. E., Moshchikov, V. A., Tsalina, S. S. - Studying the work of bubbling columns with liquid layers of liquids. p. 69.
- Bulatov, S. N. - Calculating maximum loads in the flooding of apparatus with countercurrent heterogeneous streams. p. 73.
- Emel'yanova, E. B., Matichina, V. G. - Repairing brick walls, damaged by ammonium nitrate. p. 74.
- Vol. 43, no. 4, Apr. 1987.
- Table of contents translated:
- Dobrovolskiy, V. V. - V. I. Lenin's care for the development of the chemical industry. p. 1.
- Floshin, M. I. A., Tomilov, A. P. - Successes in the field of electrochemical preparation of organic compounds. p. 3.
- Manakov, M. N., Lebedev, N. N. - Intensification of liquid-phase oxidation of paraffin to synthetic fatty acids. p. 12.
- Shestakova, L. A., and others - Separation of pure individual C_5 hydrocarbons from industrial fractions by rectification. p. 15.
- Isagultants, V. I., Trofimov, V. A., Astakhova, T. A. - Esterification of methacrylic acid with higher alcohols in the presence of the KU-2/8 cation exchanger. p. 18.
- Stepanov, G. A., and others - Oxidizing dehydrogenation of n-butane to butynyl in the presence of iodine and a sodium acceptor. p. 20.
- Urefovich, V. I., and others - Drying liquid p-xylene by synthetic zeolites on pilot plant units. p. 23.
- Skorolakov, E. P., and others - Continuous gas chromatography on fixed layers of a sorbent. p. 25.
- Prokhorova, V. V., Novoselova, R. I., Baranov, M. K. - Study of water diffusion from acrylonitrile solutions through a cellophane film. p. 30.
- Karavay, M. M., Skvorisov, G. A. - Preparation of 60-68% HNO_3 in the production of concentrated nitric acid. p. 33.
- Smorodnikov, A. V., Shamara, V. A. - Preparation of the Karatau phosphorites for electric sublimation of phosphorus. p. 37.
- Blizukova, L. V., Mironov, A. M. - Deactivation of chlorine-containing gases. p. 41.
- Dats'ko, V. A., and others - Method of production and the nature of molded silica gel. p. 44.
- Grishko, S. P., Karapet'yan, M. Kh. - Effect of methane homologs on the conversion of natural gas with water vapor and carbon dioxide. p. 46.
- Rozhnov, M. S. - Phase and volume relations in binary-hydrocarbon systems. p. 48.
- Vidovchenko, V. T., Kondratenko, V. I. - Solubility of chlorine and hydrogen chloride in chloromethanes and methyl chloride in anisole. p. 50.
- Aksel'rod, I. U. V., Dillman, V. V., Orlov, I. U. A. - Calculating the absorption of carbon dioxide by water in packed scrubbers. p. 51.
- Malinovskaya, T. A., Kafarov, V. V., Reinfat, V. V. - Effect of physicochemical factors on the separation of suspensions of organic dyes by filtration. p. 55.
- Gulayev, V. M., and others - Studying the mathematical model of a reactor for carbon monoxide conversion. p. 62.
- Astakhov, V. I., Planovskiy, A. N. - Deduction of kinetic equations of rectification for calculation on computers. p. 64.
- Kopylov, V. T. - Testing and installing apparatus and pipes made of glass plastics. p. 65.
- Leitikhin, E. S., Babkova, N. V., Zvereva, E. I. A. - Corrosion resistance of steel in the production of sodium pyrosulfite. p. 69.
- Glukhov, V. N. - Transportation in foreign chemical industries. p. 71.
- Brief news. p. 74.
- Nikolai Yakovlevich Fesla. p. 78.
- Vol. 43, no. 5, May 1987.
- Table of contents translated:
- Ustuyshchikov, B. F., and others - Industrial synthesis of methacrylic acid and methyl methacrylate based on isobutylene and nitric acid. p. 1.
- Kolobikhin, V. A., Emel'yanova, E. N., Chugunnikova, R. V. - Oxidative dehydrogenation of n-butenes and butane-butylene mixtures in the presence of iodine and an acceptor. p. 5.
- Pis'mann, I. I., and others - Developing the technology of the production of 1-butene from ethylene. p. 8.
- Smirnov, S. K., Grilov, A. M., Popova, T. R. - Production and properties of allyl cyanide. p. 11.
- Brumeteln, B. A., and others - Method of distributing complex expenditures in the production of acetic acid and associated products. p. 14.
- Vulikhin, A. I., and others - Removal of phosphine from acetylene by an anion exchanger in a polyiodide form. p. 17.
- Ginberg, A. A., Guvich, I. A., Frishman, T. A. - Production of the highly effective antioxidant 2,2-methylene-bis-(4-methyl-6-tert-butylphenol). p. 19.
- Barov, A. S., Zelenala, Sh. A., Petriakova, N. K. - Synthesis of dimethylalkylamines. p. 21.
- Skrilko, L. A. - Synthesis of N-alkyl derivatives of p-anisidine and p-phenyldine. p. 23.
- Basnet, M. E., and others - Equilibrium of the reactions of cracking of 2-methyl-2-pentene. p. 25.
- Kabo, G. I. A., Andreevskiy, D. N. - Thermodynamic properties of monofluoroalkanes. p. 27.
- Syrkin, V. G. - Thermodynamic analysis of chemical flow sheet for the production of powdered ferric oxide by the carbonyl method. p. 30.
- Kalashnikova, Z. S., Bolisovich, G. F. - Changing the structure of the production of synthetic products from petroleum-gas crudes. p. 32.
- Moshkovich, F. B., and others - Self-ignition and the deflagrating decomposition of diacetylene. p. 35.
- Dolinkin, V. N., Mikhailova, G. V., Kuznetsova, L. A. - Stability and the corrosive aggressiveness of dimethylformamide and its aqueous solutions. p. 38.
- Kil'man, I. A., and others - Checking of a steamless method of producing ammonium nitrate at an enlarged pilot plant. p. 41.
- Beskova, G. S., and others - Identification and quantitative determination of nitrous oxide in conversion gas. p. 44.
- Kogan, V. M., Rabovskiy, B. G., Guman, A. A. - Chlorination of aluminum in fused salts. p. 45.
- Chernova, S. P., Ksenzenko, V. I. - Calculating the process of absorption of gases by solid sorbents. p. 48.
- Gel'perin, N. I., Savchenko, V. I., Grishko, V. Z. - Studying the desorption of bromine from malin albrin in the apparatus with the fluidized bed of a sorbent packing. p. 52.
- Iablonskiy, G. S., and others - Simulation of the process of hydrochlorination of acetylene in a stationary catalyst bed. p. 53.
- Guteln, N. S., and others - Approximate design of a multistage adiabatic reactor as exemplified by the process of oxidative dehydrogenation of butane. p. 60.
- Arislovich, V. I. U., Levin, A. I. - Method of calculating the rectification of multicomponent mixtures on electronic computers. p. 62.
- Ivanov, V. A., Planovskiy, Barov, A. A. - Mass transfer in the rectification of ethanol (methanol)-water in mixtures in a column with sieve plates. p. 65.
- Gutlin, I. U. V., Zhurikov, V. A. - Effect of the concentration of a suspension on the specific resistance of the precipitate during filtration. p. 68.
- Tsypkov, N. T., Orel, A. A. - Concentration of carbonate-phosphorites of the Dosmanaginskoye deposit. p. 71.
- Dudorov, A. A. - Starting and operating the KS-100 GTKU heat regenerator. p. 73.
- KHIMICHESKAYA TEKhnOLOGIA [CHEMICAL TECHNOLOGY]. Kharkov, no. 4, 1986.
- Table of contents translated:
- Stender, V. V. - Electrolytic production of chlorine and alkalis in the U.S.S.R. p. 3.
- Gamati, I. V., and others - Production of electrolytic manganese from the semifinished product (manganese carbonate) of chemical concentration of substandard manganese ores and slimes of Nikopol' deposits. p. 8.
- Lushkarev, M. A., Gronik, L. I. - Kinetics of the cathodic separation of cadmium from solutions with complexes. Report No. 2 Electrocrystallization of cadmium from electrolytes with Trilon B. p. 14.
- Mordovchenko, I. P., Voropkov, V. I., Lushkarev, M. A. - Effect of nonionized amines and amides of carboxylic acids on the rate of electrode processes. p. 21.
- Supunovich, V. I., Usatenko, I. U. I. - Thiocyanates of pentavalent molybdenum; amperometric titration. p. 27.
- Afanasev, A. S., Bolinaeva, L. A. - Dissolution of the clinder of low-carbon steel in acids. Report No. 2: More on the effect of iron salts and some inhibitors of acid corrosion. p. 34.
- Malysheva, T. V., Afanas'ev, A. S. - Pickling low-carbon steel in mixtures of HCl , H_2SO_4 and H_3PO_4 . Report No. 2: Interrelation of the steel dissolution rate, stationary potential of corrosion and the capacitance of a double layer on metal. p. 38.
- Aleksandrov, V. V., Pan'kova, S. A. - Temperature dependence of standard electrode forces of the circuit $Pt(H_2)|HCl|AgCl$, Ag in nonaqueous solvents. p. 44.
- Dal', V. I., Filonenko, I. U. I. A., Belokon', S. M. - Outlook for using semiconductors in power engineering and for technological purposes. p. 49.
- Fomenko, O. S., Belokon', S. M. - Desulfurization of coal when semiconducting it with the use of coke as a heat carrier. p. 55.
- Ardashev, B. I., Zarif'yan, A. S. - Study of the properties of endosuccinic anhydride anthracene. p. 61.
- Morozikhin, O. A., Kharlampovich, G. D. - Production of raw material for plastics and poisonous chemicals in catalytic vapor-phase oxidation of phenanthrene. p. 64.
- Kharlampovich, G. D., Gol'tsova, L. F. - Producing from the coke chemical methylnaphthalene new stabilizers for plastics, synthetic rubber and petrochemical products. p. 69.
- Zheleznova, L. P., Chervinskii, K. A. - Coke chemical p-xylene as a raw material for oxidation. p. 72.
- Ivanov, A. M., Chervinskii, K. A. - Intensification of the oxidation of p-xylene. p. 74.
- Levchenko, A. I., Zaitolkin, E. I. - Vinyl compounds of phenanthrene. p. 77.
- Moshchinskaya, N. K., and others - Diels-Alder adduct reactions with formaldehyde. Report No. 1 Condensation of adducts of cyclopentadiene and unsaturated compounds with formaldehyde. p. 80.
- Moshchinskaya, N. K., Sorokin, V. P. - Diels-Alder adduct reactions with formaldehyde. Report No. 2. Condensation of endovotetrahydrophthalic and acetoxymethyl-endovotetrahydrophthalic anhydrides with formaldehyde. p. 87.
- Kar'lyuchik, M. B., Malchenko, V. A. - Automation of the pyrolysis process of hydrocarbon raw materials in pipe stills. p. 92.
- Taikhmenko, V. D., and others - Coefficients of linear expansion and heat conductivity of fluoroplast materials. p. 97.
- Sheglov, S. I., Zalkina, V. D. - Pressability of foams. p. 101.
- Romanovskiy, L. B., Kosen, L. N., Erokhin, V. B. - Study of the performance of the lining of furnaces for the production of zinc oxide. p. 110.
- Pill, I. G. - Study of the capacity of pneumatic atomizers with jet-type distribution of liquid. p. 115.
- Pill, I. G. - Study of the dispersion capacity of pneumatic atomizers with a random distribution of liquid. p. 121.
- A. E. Kretov, obituary. p. 126.
- G. I. Bellaev, obituary. p. 127.
- *KHIMICHESKOE I NEFTNANOE MASHINOSTROENIE [CHEMICAL AND PETROLEUM MACHINERY MANUFACTURE]. Organ of Gosudarstvennyy komitet khimicheskogo i neftegazovogo mashinostroyeniya pri Gosplane SSSR [State Committee of the Chemical and Petroleum Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 5, May 1985.
- Table of contents translated:
- Salamalov, I. I. - Raise the output of chemical equipment to the level of contemporary technology. p. 1.
- Sukhov, S. I., Levin, A. N. - Chemical apparatus made of fibroplastics. p. 4.
- Altukhov, S. M. - Life of compressor membranes. p. 6.
- Gel'perin, N. I., Basargin, B. N. - Investigating water-injector with helical nozzles. p. 12.
- Koval'skiy, B. S., Fedolov, V. P. - Protective burst diaphragms. p. 15.
- Protopopov, V. B., Alekseev, N. I. - Testing flange sleeves on flanged pipes. p. 19.
- Slipakov, N. V., Gutlin, I. U. V. - Methodology of calculating drum vacuum fillers with external filtering surface. p. 20.
- Murav'ov, V. S., Luk'yanov, B. G. - Load correlations in packed towers. p. 25.
- Zemskov, I. F. - Mass transfer in fluidized bed of activated carbon. p. 28.
- Fastovskiy, V. G., Petrovskiy, I. U. V., Rovinskii, A. F. - Preparing and using neon as a refrigerant. p. 30.
- Pupstov, S. A., Shmelev, V. A. - Preliminary cooling of air in water-evaporating system. p. 34.
- Sorokin, I. U. I., Khilashkin, A. G., Pokusaev, B. G. - Studying stability of wetted-wall conditions of liquid flow in vertical pipe with ascending motion of gas. p. 35.
- Safonnikov, A. N. - Welding large-diameter stainless steel elements. p. 39.
- Seif, G. S., Smallov, L. M. - Heat treatment of nickel apparatus in air/light muffle in neutral gas medium. p. 42.
- Korotun, K. M. - Multiple die for punching slits in capsule bubble caps. p. 43.
- Litvinenko, V. P., Grechanichenko, V. I. - Testing hydraulic turbocouples of centrifuge drive. p. 44.
- Sergeev, L. P., Kalienko, K. L. - Pipeless gas refrigerator. p. 45.
- Sergeev, D. P., Kalienko, K. L. - Disk feeder. p. 46.
- Sergeev, D. P., Kalienko, K. L. - Grease for bearings. p. 49.
- *KHIMIYA I TEKhnOLOGIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL]. Issued by Gosudarstvennyy komitet neftepererabatyvayushchey i neftekhimicheskoy promyshlennosti pri Gosplane SSSR [State Committee for the Petroleum Refining and Petrochemical Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 12, no. 4, Apr. 1987.
- Table of contents translated:
- Gusman, T. I. A., Serebriakov, B. R., Dalin, M. A. - Process of oxidizing dehydrogenation of isocyanolones on blumuth molybdates. p. 1.
- Zaitova, A. I. A., and others - Effect of iron admixture on the activity and selectivity of synthetic aluminosilicate catalysts. p. 6.

- Baturin, L. A. - Problems in organizing the production of containers and the profits of enterprises of the paint materials industry. p. 89
- Lukovskii, A. M. - Mechanization of preparatory and painting operations on docked ships. p. 91
- LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSELEDOVATELSKII INSTITUT GIDROLIZNOI I SULFITNO-SPIRTOVOI PROMYSHLENNOSTI, Shornik trudov [STATE SCIENTIFIC RESEARCH INSTITUTE OF THE HYDROLYTIC, SULFITE, AND ALCOHOL INDUSTRY. Papers].** Moscow, vol. 15, 1966.
- Table of contents translated
- Bellaerskii, I. A. - Some problems in the theory of the continuous method of hydrolysis with diluted acids. p. 7.
- Korol'ov, I. I., and others - Use of decaying vegetable raw materials in the hydrolysis industry. p. 27.
- Korol'ov, I. I., Pipashnikov, L. M. - Settling of hydrolyzed material in percolation hydrolysis. p. 35.
- Korol'ov, I. I., and others - Technological characteristics of wheat straw used as raw material for the hydrolysis yeast industry. p. 13.
- Korol'ov, A. I., Khrucova, I. A., Pimenova, I. V. - Inversion of hydrolysates as a limiting potentiality for the increase of the profitability of hydrolysis plants. p. 53.
- Stakhovskaya, L. K., Popova, S. V. - Effect of the quality of the substrate on the physiological condition of yeast. p. 58.
- Valner, A. S., Kuptenova, N. S., Butkovskii, B. S. - Purification of the neutralized products for yeast cultivation by steam blowing in a continuous column. p. 64.
- Utenkova, V. A., and others - Effect of aptitude and phosphite media on yeast in alcoholic fermentation and growing of feed yeasts. p. 72.
- Tokarev, B. I., Rakutina, N. S., Pelinskii, G. M. - Effect of the admixture of bark to raw material on the biological quality of hydrolysates. p. 82.
- Sennikhina, T. N., Monakhova, N. I. - Growing of feed yeast on sulfate liquor with soluble bases. p. 88.
- Utenkova, V. A., and others - Enriching feed yeast with vitamin D₂. p. 95.
- Mel'nikov, N. P., Vol'skaya, L. P., Zheltukhina, V. A. - Kinetics of the decomposition of xylose and furfural in pure aqueous solutions at high temperatures. p. 102.
- Mel'nikov, N. P., Zheltukhina, V. A. - Formation of furfural from pentosan-containing raw material in the presence of sulfuric acid at atmospheric pressure. p. 108.
- TSirlin, I. U. A., Vasil'eva, V. A. - Removal of acetone from furfural in the rectification process. p. 121.
- Fedotova, S. A., TSirlin, I. U. A. - Study of the composition of semifinished and finished products of the furfural industry by gas-liquid chromatography, composition of raw furfural of some specialized plants. p. 126.
- TSirlin, I. U. A., Kozlova, E. A. - Study of the process of furfural oxidation by atmospheric oxygen during prolonged storage. Report No. 3. p. 137.
- Glushenko, N. V., Adzhiglova, V. N. - Content of furfural in liquors from the pulping of hardwood with various pulp yields. p. 143.
- Lestchuk, A. E. - Stoichiometry of the polysaccharide hydrolysis reaction. p. 147.
- Lestchuk, A. E., Chalov, N. V. - Penetration of concentrated hydrochloric acid into the pores of wood particles and the formation of hydrolysate in them. p. 156.
- Korotkov, N. V., Chalov, N. V. - Continuous hydrolysis of the polysaccharides of plant tissue by 40-18% hydrochloric acid. Report No. 8. Thermal effect on wood saturated with gaseous hydrogen chloride at atmospheric pressure. p. 160.
- Delotova, A. K., Sharikov, V. I. - Study of the changes in woodpulp during its conversion into an easily hydrolyzable state by mechanical and chemical means. p. 176.
- Chalov, N. V., Lestchuk, A. E. - Diphasic hydrolysis of wood by mechanical and chemical destruction of cellulose in the presence of hydrochloric acid. p. 180.
- Kozlov, A. I., Egorova, L. I. - Economic effectiveness of new trends in the development of the technology of hydrolysis yeast production. Report No. 3. p. 199.
- Tyshevskaia, O. V., Grinshtein, I. M. - Effect of the addition of CaCl₂ on the relative volatility of components of the HCl-H₂O system. p. 211.
- Lebedev, N. V., Linetskaya, M. N. - Preparation of the solution for the crystallization of the binary compound of glucose and sodium chloride (test filtration of the syrup in the production of glucose from wood). p. 217.
- Lebedev, N. V., Bannikova, A. A. - Solubility of the binary compound of glucose and sodium chloride in water. p. 221.
- Tkachenko, N. I., Skachkova, N. A. - Availability of the products of sugar decomposition contained in sewage waters for biological oxidation. p. 238.
- Selezneva, V. N., Perovskaya, A. S. - Study of the amino acid composition of activated sludge at the purification stations of hydrolysis plants. p. 251.
- Adamovitch, E. A., and others - Study of various designs of back pressure valves for the feeding of sulfuric acid into hydrolyzers. p. 256.
- Shil'nikova, L. L., Sharikov, V. I., Bakhtin, Z. F. - Chemical resistance of copper-3 and KHMONT (EIA-IT) chromium-nickel steel in the production of levulinic acid. p. 263.
- Sukhanovskii, S. I., Vainshtein, N. P. - Resinous substances of hydrolysis lignins and their origin. p. 268.
- Chudakov, M. I., and others - Free radicals in condensed lignin preparations. p. 276.
- Chudakov, M. I., Samsonova, A. P. - Structural quinone links of lignin. p. 285.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pishchevaya tekhnologiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Food Technology].** Moscow, no. 2(57), 1967.
- Table of contents translated
- Georgii Geismovich Agabek'ians; obituary. p. 7.
- Ivanov, S. Z., Tregubov, N. N. - Higher schools and the progress of science and technology in the starch and molasses industry. p. 9.
- Gandzinskii, D. I. - Main trends of the development of the baking industry in the Ukrainian S.S.R. from 1966 to 1967. p. 15.
- Goldinskii, A. M. - Comprehension of the nature of amylolysis as the basis for the theory of seed (grain) storage. p. 18.
- Shelobakov, V. G., Kudinov, P. I. - Lipids in the hulls of oil-rich sunflower seeds. p. 21.
- Romanovitch, C. A. - Content of vitamin C in new potato tubers during summer storage. p. 25.
- Omel'chenko, F. S. - Heat capacity of polyunsaturated fatty acids. p. 28.
- Belousov, A. P., Velsler, B. A., Luk'yanov, A. B. - Effect of calcium and magnesium cations on the viscosity of the paste of potato starch. p. 30.
- Zhivankov, I. U. N., Pisarenko, A. P., Cherepova, I. M. - Effect of silver ions on the solutions of some carbohydrates during storage. p. 33.
- Bat', V. V., Domitova, S. R. - Changes in the fat of fishes during their aging. p. 36.
- Gondzilevskii, L. N. - Autolytic processes in frozen meat during storage. p. 40.
- Mel'eva, N. N., Lazarev, E. N., Pavlova, V. F. - Nucleic acids of cabbage. p. 44.
- Mokhnachev, I. G., Lahaeva, D. N. - Quantitative determination of volatile phenols of tobacco smoke. p. 47.
- Nastagunin, I. V., Dudarev, I. R., Kotliar, L. I. - Effect of the kinematic and adjusting parameters of a butter on the separation of corn hulls. p. 50.
- Trubitsyn, N. V., Vdovkin, E. E. - Use of the pulse method in the drying of sunflower seeds. p. 57.
- Tverdokhlebov, G. V., Avvakumov, A. K. - Structural and mechanical properties of butter produced by the continuous method. p. 61.
- Slakheev, I. V., Vil'dushin, R. T., Pozniak, S. I. - Cultivating the yeast *Candida tropicalis* on the waste materials of the potato starch industry using two different hydrodynamic aeration systems. p. 66.
- Malchenko, A. L., Stollar, M. G. - Study of starch raw materials in hot-water processing by a differential thermal method. p. 70.
- Lebeduk, T. K. - Study of the process of cold treatment of beer wort. p. 76.
- Fortman, G. I. - Salt composition of water-alcohol mixtures in the technological processing. p. 79.
- Matov, B. M. - Application of electrolysis in coagulation and flotation. p. 84.
- Fan-Ling, A. F., Oganesian, A. A. - Dispersion degree of tomato pulp. p. 87.
- Flaumenbaum, B. L., Setpaeva, S. K. - Application of ionizing radiations for the increase of the juice yield from apples and berries in pressing. p. 89.
- Petravlovskii, E. I., Ustinova, A. V. - Preservation of fruit pulp by sorbic acid during storage in reinforced concrete containers. p. 93.
- Merzhanian, A. A. - Effect of technological processing on the stability of the wine - CCG system. p. 96.
- Lichev, V., Ganev, S., Ganeva, M. - Processing of wine with bentonite clays. p. 99.
- Chenikov, V. V., and others - Extraction of aromatic substances from tobacco by liquid carbon dioxide. p. 103.
- Pelrenko, A. G., D'achkin, I. I., Novikova, L. A. - Kinetics of the final drying of tobacco with a high moisture content. p. 106.
- Masilkov, V. A., Chechevitsyn, P. I. - Investigating the productivity of screw-type oil presses. p. 108.
- Kornilov, I. U. G., Asmanov, M. P. - New pneumatic isodynamic controller of density. p. 114.
- Berger, G. I. A. - Exponential law of forces in the separation process. p. 118.
- Tubachnikov, V. P. - Determination of the permeability of the cheese mass under conditions of varying density. p. 122.
- Beloborodov, V. V. - Mass transfer equation for distillation in a vertically falling film. p. 127.
- Nikonov, I. V. - Vitreous form of hydrogenated fat. p. 131.
- Muchnik, M. I., Efimov, V. T. - Stabilization of soap chip levels in the valves of a vacuum drying unit. p. 134.
- Krylov, V. V., Kamonnikov, B. P. - Coefficient of object amplification in sublimation drying. p. 141.
- Fedotkin, I. M., Konstantinov, S. M., Demchuk, G. S. - Study of heat exchange in the heating of mixtures of sugar solutions and air. p. 144.
- Amstlin, I. M., Kochubei, I. U. I. - Hydrodynamics of the diphasic flow of a rotary apparatus and its efficiency. p. 148.
- Slobodanik, I. P., Tretakov, L. L. - Hydrodynamics and mass transfer on a tangential jet plate. p. 152.
- Geller, Z. I., Skobel'ts, I. U. A., Mezhdov, V. Kh. - Flow of liquid through the inner cylindrical packing. p. 156.
- Vysotskaya, L. E. - Coefficients of the evaporation and rectification of emanthic ester. p. 159.
- Kuga, A. A., Koshanovskii, N. I., Kharin, S. E. - Thermal conductivity of some beverages. p. 161.
- Khalil, M. I. A. - Calculation of the dynamic characteristics of shell-and-tube preheaters. p. 163.
- Mausel'tsev, I. U. D. - Study of an absorbtional heat-pumping unit. p. 171.
- *JURNAL PRIKLADNOI KHIMII [JOURNAL OF APPLIED CHEMISTRY].** Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 34, no. 4, Apr. 1961.
- Table of contents translated
- Toptygin, D. I. A., Morozov, I. S. - Application of physicochemical analysis to the solution of the problem involved in the production of titanium and its compounds by the chlorination method. p. 713.
- Anlov, I. S., Gorbunov, S. A. - Oxidation rate of titanium and its alloys in the air at high temperatures. p. 725.
- Rapopot, M. B., Kozlov, V. M. - Reduction of iron-titanium concentrates in the solid phase without fusion. p. 734.
- Vinogradova, L. M., Korolev, I. A. - Imparting hydrophobic properties to silicate glasses. p. 734.
- Bron, V. A., Khoroshavin, L. B. - Effect of the additions on the crystal chemical stabilization of dicalcium silicate as dependent on the location of the addition cations in the periodic table. p. 750.
- Khushehev, M. S., Krylov, V. N. - Mechanism and the formation kinetics of a 75% ferrosilicon. p. 756.
- Platkov, P. D. - Interaction between calcium ferrites and chromites. p. 766.
- Cherikov, B. A. - General equation of the rate of oxidation of sulfite bisulfite solutions in the process of recovering SO₂ from gases. p. 771.
- Aksel'rud, N. V. - Effect of a "neutral electrolyte" (NaCl) on the values of the pH of the deposition of basic chlorides and hydroxides and on the separation of metals by the hydroxide method. p. 776.
- Srylev, L. D., Mokrushin, S. G., Borisikhina, V. I. - Effect of the concentration of hydrogen ions on the extraction of colloidal dissolved mixed heavy metal ferrocyanides from their hydrolysis by emulsification. p. 780.
- Kovalenko, P. N., Bagdasaryan, K. N. - Use of a photocalorimeter for determining the solubility product of thorium hydroxide. p. 780.
- Goldberg, N. A., Kucheravskii, V. I. - Modeling of chemisorption processes. p. 794.
- Bratslavskii, A. N. - Capillary impregnation of porous body models. p. 800.
- Pavlushenko, I. S., Braginskii, L. N., Brytov, V. N. - Effect of mixing on the process of chemical transformation in the system gas-liquid. p. 805.
- Aerov, M. E., Byalova, T. A., Zelenkova, N. I. - Bubbling hydrodynamics of immiscible liquids on grid trays. p. 815.
- Archakov, I. U. I., Grebeshkova, I. D., Teodorovich, V. P. - Determination of the rate of hydrogen diffusion through X18H10T steel at high temperatures and pressures. p. 821.
- Klyueva, M. L., Mislchenko, K. P., Fedorov, M. K. - Calorimetric apparatus for determining thermal effects in nonaqueous media using a semiconductor resistance thermometer. p. 823.
- TSirlin, A. N., Krainitsa, A. A. - Denitration of nitrore by steam in a column with packing. p. 830.
- Ogorodnikov, S. K., Kogan, V. D., Nemtsov, M. S. - Equilibrium liquid-vapor in ternary systems formed by C₆ hydrocarbons with methanol and also with acetone. p. 836.
- Ogorodnikov, S. K., Kogan, V. D., Nemtsov, M. N. - Equilibrium liquid-vapor in binary and ternary systems formed by C₆ hydrocarbons and nitromethane. p. 841.
- Millutin, N. N. - Electrochemical behavior of copper in sulfuric acid solutions. p. 848.
- Zaretskii, S. A., Basse-Machukas, V. B., Alabyshev, A. F. - Investigating conditions for the electrolytic production of lead-calcium-potassium and lead-calcium-sodium alloys. p. 856.
- Khomutov, N. E., Kasalanova, I. V. - Electroreduction of sodium nitrobenzene-*m*-sulfonate on a copper cathode. p. 860.
- Roth, I. L., Rafailovich, D. M. - Effect of relative air moisture on the formation of H₂O₂ in the atmospheric corrosion of magnesium and aluminum. p. 864.

- VOLUME 10**
- CONTENTS**
- Table of contents translated**
- R. P. - Reaction of hydrogen with nickel protoxide.** p. 705
- Polymerization of lithium carbonate on heating.** p. 712
- Dobroselov, I. A., Shalagin, A. I., Dolmatov, I. D.** - Role of crystallites of TiO₂ as nuclei depending on the conditions of their synthesis. p. 716
- Lutskanov, A. P., Gerdarev, A. M.** - Interaction of tungsten polymolybdate acids and their anhydrides with ammonia, ammonia solution, and hydrogen chloride. p. 722
- Mironov, L. A., Belov, M. P.** - Source of oxygen in boron obtained by magnesiothermic process. p. 727
- Savitskiy, V. S., and others.** - Composition of sodium aluminosilicate hydrates formed in the system Na₂O - Al₂O₃ - SiO₂ - H₂O. p. 734
- Sazhin, V. S., Shor, O. I.** - Conditions of formation of calcium-calcium hydrosulfate in the system Na₂O - CaO - Al₂O₃ - SiO₂ - H₂O and its main properties. p. 738
- Me, I. P., Bonniakov, L. G.** - Electron microscopy and diffraction of some solid phases in alumina production. p. 744
- Arluk, B. I.** - Thermodynamic analysis of reactions of components of alumina sintered materials with solutions. p. 753
- Savitskiy, A. E., Degtareva, T. A., Vilnianskii, I. A. F.** - Effect of the dispersity of magnesium oxide particles on their chlorination rate in fused carnallite. p. 758
- Lavrilov, O. R., Nisels'om, L. A., Shirokov, A. A.** - Feasibility of quaternary reciprocal systems consisting of niobium and aluminum oxychlorides and sodium and potassium chlorides. p. 762
- Denisov, S. I., Degtarev, V. S.** - Reduction of iron-titanium concentrates in melts by gaseous reducing agents. p. 767
- Gerasimov, V. S., Khmelevskaya, T. A.** - Strength of new hydrate formations of some slag minerals and glasses hydrated over 5-year period. p. 775
- Kuznets, E. D., Iakimenko, L. M.** - Mechanism of exchange of lithium ions between crystals and saturated solutions of lithium hydroxide and sulfate. p. 782
- Kuznets, E. D., Iakimenko, L. M.** - Diffusion of lithium ions into lithium hydroxide and sulfate crystals. p. 785
- Iasnitskii, B. F., Zaitsev, A. P.** - Oxidation of chloroacetaldehyde by chlorine in aqueous medium. p. 792
- Servets, I. D., Kalitina, L. N.** - Effect of hydrogen-ion concentration on the adsorption of inorganic colloidal substances at the hydrosol - solid interface. p. 798
- Brdatskaia, N. I., Vykhuzhanina, I. P., Miller, A. D.** - Determination of wide range of microelements in natural waters in the course of hydrochemical research with preliminary sorption on "mixed sorbent". p. 802
- Pamov, S. A., Vilnianskii, I. A. E.** - Iron compounds in the process of oxidizing roasting of chromite charges. p. 805
- Nagurnyi, V. M., Bondar', R. U., Stender, V. V.** - Electrodeposition of iron, pH value of cathode layer and hydrogen overvoltage. p. 808
- Zytner, I. A. D., Rotinai, A. L.** - Effect of iodide ions on the cathodic behavior of cobalt in sulfate solutions. p. 813
- Grisev, S. S.** - Kinetic method of physicochemical analysis in studying anodic dissolution of copper-aluminum alloys in sulfuric acid solutions. p. 820
- L'vovich, F. I., Zaitsevit, S. A., Morachevskii, A. G.** - Effect of sulfates on the process of electrolytic production of sodium from fused sodium chloride on liquid lead cathode. p. 828
- Savitskaya, I. A. S., Pershinova, S. N., Krylova, E. O.** - Electrophoretic deposition of mixtures of yttrium, scandium, and lanthanum oxides. p. 833
- Berezuk, I. U. N., Kaz'mun, S. D.** - Some regularities of the growth of contact deposits. p. 837
- Grillikhes, S. I. A., Fedot'ev, N. P.** - Similarity and difference of the processes of electrochemical polishing and aluminum oxidation. p. 841
- Lastochkin, I. U. V., and others.** - Dissolution of sodium chloride crystals fluidized in a turbulent slurry. p. 849
- Aerov, M. E., Men'sheikov, V. A., Trainina, S. S.** - Laboratory reactor of complete similitude for liquid phase reactions. p. 852
- Aslakhov, V. A., Lepilin, V. N., Romankov, P. G.** - Calculation of the continuous process of adsorption in a single-stage apparatus with a fluidized sorbent bed. p. 864
- Zhelezniak, A. S.** - Mass transfer at the period of drop formation. p. 870
- Dobroselov, L. L., Bagrov, I. V.** - Liquid-vapor phase equilibrium of the system methyl acetate-methanol. p. 875
- Shnitko, V. A., Kogan, V. B.** - Nature of substances obtained in dehydrocarboxylation of tetrahydrofurfuryl alcohol. p. 879
- Kokurin, A. D., Galushkina, K. A.** - Study of neutral oxygen compounds of heavy shale oil. p. 887
- Lesteva, T. M., Ogorodnikov, S. K., Morozova, A. I.** - Kinetics of dimerization of cyclopentadiene, and liquid-vapor equilibrium in the system isoprene-cyclopentadiene. p. 891
- Bozadzev, P. S., Vol'kovich, S. I., Chekhovskikh, A. I.** - Reaction of urea with phosphoric anhydride. p. 895
- Kuznetsov, S. I., Novozhenov, V. M., Fedlaev, F. F.** - Structure of aluminate solutions. p. 897
- Chebukov, M. F., Ptachev, V. A., Dolinskaya, N. G.** - Role of silica dispersity and quantity of liquid phase in the process of sintering of silica clinkers. p. 900
- Kozlova, N. I., Korovin, N. V.** - Reduction of nickel salt to metal by hydrazine hydrate. p. 902
- Me'l'nik, M. T., and others.** - Formation of boehmite in the hydration of calcium dialuminate. p. 904
- Koltsov, S. I., Aleksovskii, V. B.** - Reaction of titanium tetrachloride with silica gel. p. 907
- Bezruk, E. T., Markovskii, L. A.** - Lower manganese borides. p. 908
- Dolmatov, I. D., Dobryrenko, I. U. A., Shelinkman, A. I.** - Growth of TiO₂ particles in the process of thermal hydrolysis. p. 911
- Baron, N. M., Matveeva, R. P.** - Viscosity of sodium aluminosilicate solutions at temperatures from 25° to 90°. p. 913
- L'vov, A. L., Makarov, O. E., Il'in, B. M.** - Hydrogen reference electrode in molten carbonates. p. 917
- Tolsilkov, G. A., and others.** - Case of anomalously high content of jupeol in white birch bark. p. 920
- Grillikhes, M. S., Kraskov, B. S.** - Zero potentials of Cu-Bi alloy. p. 921
- Gleim, V. G., Vilenskii, V. M., Khenotov, V. A.** - Relationship between the structural features of liquid and drop entrainment in boiling. p. 923
- Dobroselov, L. L., Bagrov, I. V.** - Effect of sodium acetate on equilibrium between liquid and vapor of the methanol-water system. p. 928
- Chalov, N. V., Leschuk, A. E., Zemeli, I. V.** - Composition of hydrogen chloride compounds with products of the hydrolytic degradation of cellulose by concentrated hydrochloric acid. p. 928
- Klimova, O. M., and others.** - Acetals of polyhydroxy polymers. p. 930
- Pletneva, I. D., Sukhtants, I. V., Muranova, E. S.** - Preparation of γ-(3-N-acylamino)phenyl) butyric acid, an intermediate product in the synthesis of γ-(3-amino)cycohexyl) butyric acid. p. 933
- Proslakov, N. E., Ramov, Ruben** - Oxidation of p,p'-biolol. p. 935
- d CIVIL & CONSTRUCTION ENGINEERING**
- AVTOMOBIL'NYE DOROZI [HIGHWAYS].** Issued by Gosudarstvennyi proizvodstvennyi komitet po traktoropolnomu stroitel'stvu SSSR [State Production Committee of Construction for the Transportation Industry in the U.S.S.R.], Moscow, vol. 30, no. 3(243), Mar. 1967
- Table of contents translated:**
- Great force of the Soviet society.** p. 1
- Basov, N.** - High evaluation of the work of a woman. p. 2
- Dammie, G.** - Heroine of Socialist Labor. p. 2
- Anikeev, I. A.** - Road construction worker in Qaidam's coveys. p. 3
- Ziganabhi, Kh. A.** - Preparing for the 50th anniversary of the Soviet Government. p. 4
- Shakhvatov, S., Gevorgov, V.** - Team of Communist Labor keeps its proud title. p. 5
- Siflin, V. A.** - The oldest and construction worker. p. 6
- Goldenberg, IU.** - General system for road installations is needed. p. 7
- Dvozhkin, O. A.** - Cycling paths. p. 8
- Boguslavskii, A. M.** - Reinforcing bands along the drying lane. p. 10
- Bartov, A. K.** - Stabilizing slopes of water-diverted ditches. p. 10
- Khechev, I. M., Edin, I. S.** - Cable fences. p. 10
- Kizileva, G. V., Boldyre, D. A.** - Fences made of curvilinear rods. p. 11
- Tulinayev, G.** - Traffic safety and aesthetics. p. 11
- Ruvinskii, V. I.** - Transverse inclination of road shoulders. p. 12
- Faerman, Sh. L., Anokhanov, V. R.** - Road sign method of lens monolithic light reflectors. p. 13
- Zyrin, E.** - Kuban roads. p. 16
- Dzuz, S.** - Preventing glazed front. p. 10
- Soldatenkov, V. E.** - New machines for maintenance and repair of roads. p. 16
- Red', P. F.** - End indicator for loose material. p. 17
- Ivanov, P. I., Alsholev, N. A.** - Electric and oil lighting of bitumen. p. 16
- Dolynski, S. K.** - Proved by science. p. 18
- Igolkin, N. I., Bogachev, A. G.** - Solution of problems in the maintenance and repair of roads. p. 18
- Rillov, M. N., Zolger, E. M., Sheinkovskii, G. I. U.** - Transition of road organizations to a new management system. p. 20
- Porevovnikov, B. P.** - Formula for determining maximum run-off. p. 22
- Solidification of concrete under protective films.** p. 23
- Vasilunov, N. V.** - Multistage soil stabilization. p. 24
- Slavutskii, O. A.** - Service of soil-reinforcement units under Eastern Siberian conditions. p. 25
- Klichukov, G. A.** - State and durability of concrete pavements. p. 26
- Kuznetsov, A. P.** - Evaluating the strength of heavy and sandy soils reinforced with cement. p. 27
- Gorolyshev, N. V., Lobzova, K. A.** - Rapid determination of the composition of asphalt-concrete mixes. p. 28
- NA STROIKAKH ROSSI [AT RUSSIAN CONSTRUCTION PROJECTS].** Organ of Gosudarstvennyi komitet po stroitel'stvu SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction], Moscow, vol. 6, no. 1, Jan. 1967
- Table of contents translated:**
- Work of the whole party, of all the people.** p. 1
- Matushchenko, I., Burdiko, D., Safonov, A.** - Carry out with honor the program set by the party. p. 2
- Chetverikov, K.** - Answering the appeal of the CPSU of the Soviet Union. p. 4
- Kazar'tsan, I.**

- Danilichev, V. - Error in the project, defect in object. p. 22.
- Likhin, A. - Organize quality control of individual operations in industrial construction. p. 23.
- Kokulev, I., Semenov, G. - Volunteer office of capital construction. p. 24.
- Medvedev, V., Kaplin, M. - How to construct long-lasting reinforced concrete cooling towers. p. 24.
- Popechenko, S., Pokrovskii, N., Safonchik, V. - Methods of waterproofing cooling towers. p. 25.
- Aborshii, V., and others. - Industrialization of the manufacture of elements of a built-up roof. p. 27.
- Koshkin, V. - Construction of polyvinyl acetate floors. p. 28.
- Vorontsov, A. - New system of panel heating. p. 29.
- In the State Committee on Construction of the U.S.S.R. p. 31.

REFERATIVNYI ZHURNAL AVTOMOBIL'NYE DOROZI [JOURNAL OF ABSTRACTS HIGHWAYS]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Tsentral'nyi komitet Profsoyuzov iabochikov stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee for Construction of the U.S.S.R. and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 12, no. 5(140), May 1967.

e ELECTRICAL ENGINEERING

*ATOMNAYA ENERGIYA [ATOMIC ENERGY]. Issued by Akademiya nauk SSSR and Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii SSSR [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the U.S.S.R.]. Moscow, vol. 22, no. 3, May 1967.

Table of contents translated in memory of Academician I. A. Pomeranchuk, issue 1.

- Badker, G. I. - Present status of work on opposing beams at the Nuclear Physics Institute of the Siberian Branch of the Academy of Sciences of the U.S.S.R. (Summary). p. 163.
- Badker, G. I., and others - Electron-electron scattering at an energy of 2×135 Mev. p. 164.
- Golubchik, P. I., and others - Double bremsstrahlung in the electron-electron scattering at an energy up to 2×160 Mev. p. 168.
- Auslender, V. L., and others - Beginning of experiments on VEPP-2 positron-electron storage device. p. 173.
- Auslender, V. L., and others - Checking the luminous emittance of units with opposing beams on the basis of scattering at small angles. p. 176.
- Auslender, V. L., and others - Development of non-linear betatron oscillation resonances in storage devices. p. 179.
- Dikanski, N. S., and others - Interaction of coherent betatron oscillations with external systems. p. 186.
- Derbenev, I. A. S., Dikanski, N. S. - Theory of transverse coherent stability of a charged particle bunch. p. 191.
- Auslender, V. L., and others - Studying the coherent phase self-oscillations in storage devices. p. 194.
- Auslender, V. L., and others - Studying the self-excitation and accelerated damping of coherent transverse oscillations in the VEPP-2 storage device. p. 198.
- Auslender, V. L., and others - Lifetime and dimensions of an electron (positron) beam in a storage device at a weak current. p. 200.
- Auslender, V. L., and others - Dependence of the lifetime and dimensions of a beam on the number of particles in the storage device. p. 202.
- Auslender, V. L., and others - Injection and accumulation of positrons. p. 206.
- Vasvolozhskaya, T. A., Pakin, V. N., Sil'vestrov, G. I. - Injection magnets of the electron-positron storage device VEPP-2. p. 210.
- Arlamkin, V. N., Voronkov, A. V. - Reactivity compensation of nuclear reactors by means of fission burn-up absorbers. p. 215.
- Levchenko, I. U. D., Subbotin, V. I., Ushakov, P. A. - Velocity distribution of coolants and stresses on the wall of close-packed rods. p. 218.
- Levchenko, V. M. - Calculating the number of shifts in the cascades of collisions of identical particles. p. 226.
- Kilae, G. I. - Comparing m-phase schemes of cascade generators. p. 227.
- Kitmanov, V. A., Mashtovich, V. P., Podsevalov, I. U. N. - Gamma-radiation build-up factors for limited media. p. 228.
- Zharkov, V. A., Terent'ev, V. P. - Average collision probability for finite cylinders and other convex solids. p. 229.
- Ivanovskii, M. N., Orlov, I. U. I., Subbotin, V. I. - Thermal conductivity of the boundary layer of a stream of liquid-metal coolants. p. 231.

- Gorsun'ov, S. I., and others - Electrohydraulic control system of safety rods of SM-2 reactor. p. 234.
- Vorobey, V. P., and others - Observing $11\alpha^3$ behavior in Zr^{90} compound and in zirconium. p. 235.
- Mikhlin, P. A., Biege, A. Kh. - Correction to the article "Gamma-radiation method in calculating the efficiency of radiation apparatus with planar irradiators." p. 237.
- Batalin, V. A., and others - Operation of a linear proton accelerator with strong focusing at an energy of 25 Mev. p. 239.
- Obaturov, G. M. - Symposium on neutron dosimetry. p. 240.
- Kilae, N. M., Matvey, V. V., Zhernov, V. S. - Regular meeting of the TK-45 committee of the International Electrotechnical Commission. p. 242.
- Ritov, D. D., Fanchenko, S. D. - Symposium on Collective Processes in a Plasma (Tbilisi, June 20-25, 1966). p. 243.
- Saksaganskii, G. - Scientific and Technical Conference on Physics and Technology of High and Ultrahigh Vacuum. p. 245.
- Kinechikov, V. - Using radiolotope methods and instruments in checking and automatization of technological processes in machine construction. p. 247.

Vol. 22, no. 4, Apr. 1967.

Table of contents translated

- Aisimovich, L. A., and others - Thermal insulation of a plasma in "Tokamak" units. p. 259.
- Kudrin, L. P. - Evaluating the conductivity of a high density of low-temperature (D-F)-plasma. p. 265.
- Stepanov, A. V. - Stationary transfer of monoenergetic neutrons in inhomogeneous media. p. 271.
- Gilmanov, I. U. I., Minashin, V. E., Sholokhov, A. A. - Electric modeling of temperature fields in nuclear reactors. p. 270.
- Timanin, N. I., Goriunov, V. V., Dem'yanov, A. V. - Studying the diffusion of nuclear reaction products in various materials. p. 289.
- Pozdnev, D. B., Chudin, S. A., Gokhshtein, L. E. - Backscattering of γ -radiation from aluminum barriers of finite thickness. p. 285.
- Pavlov, L. V. - Interdiffusion in the system zirconium - 15 at % uranium. p. 290.
- Nekrasova, N. P., and others - Studying the system $UF_4 - CaF_2$. p. 293.
- Kalashnikov, S. G., Paimonov, R. M., Nedzvetzki, V. S. - Separation of boron isotopes by means of isotope exchange between BF_3 and BF_3 complex with phenoxide. p. 297.
- Gavrilushkin, C., and others - Radioactive fallout in Vilnius in 1962 and 1964. p. 302.
- Kolesov, V. F. - Pulses in delayed neutrons in a fast reactor. p. 306.
- Novikova, N. N. - Calculating the distribution of neutrons and K_{eff} of a multiregion reactor with completely inserted absorbing rods. p. 300.
- Bulakov, B. P., Andriushin, N. F. - Energy and numerical albedo of γ -radiation. p. 307.
- Dmit'lev, P. P., Konstantinov, I. O., Kriagov, N. N. - Excitation functions of $Ag^{108}(p,n)$, $Ag^{109}(d,2n)$, and $Ag^{107}(\alpha, 2n + p)$ reactions, and the yield of Cd^{109} isotope. p. 310.
- Kivshinov, M. I., Stelbovskii, B. D. - Studying the interaction of spheres consisting of fissionable material. p. 312.
- Dmit'lev, A. B., Grekov, A. S., Matyshev, E. K. - Nonburned-up emitter for fission chambers. p. 314.
- Rumiantsev, G. I. A., Shulupin, V. S. - Studying the boundary conditions of P_2 -approximation in spherical geometry. p. 316.
- Boylshanskii, V. M., Zhdanov, V. B., Filizova, L. V. - Effect of oxides on heat transfer in the case of transverse flow of sodium around the staggered bank of tubes. p. 317.
- Borishanskii, V. M., Gotovskii, M. A., Pirova, E. V. - Heat transfer by rods with triangular gate in a longitudinal flow of liquid metal in bundles. p. 318.
- Karasev, V. S., Kollada, V. M. - Using a calorimetric device for the experimental study of the irregularity of a flux of thermal neutrons on the surface of an absorbing specimen. p. 320.
- Mironov, V. P. - Calculating the cascades for the separation of multicomponent isotope mixtures. p. 321.
- Shashkin, V. L., Prukina, M. I. - Absolute method for determining thoron and actinon by means of an α -scintillation chamber. p. 323.
- Tumanian, M. A., and others - Experimental γ -ray unit EKU-50 of the N. F. Gamalei Institute of Epidemiology and Microbiology. p. 324.
- Petrenko, I. - Tenth Symposium on Scintillation Counters and Semiconductor Radiation Detectors. p. 326.
- Ryzhov, N. - Eleventh All-Union Conference on the Magnetic Elements of Automation and Computer Technology. p. 327.
- Chulanov, V. - Soviet physicists in Italy. p. 329.

ATOMNAYA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.]. Moscow, vol. 10, no. 4, 1966.

*AVTOMATIKA I TELEMEDIKINA [AUTOMATIC AND REMOTE CONTROL]. Issued by Institut avtomatiki i telemekhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1967.

Table of contents translated

- Anorov, V. P. - Maximum principle for processes with general-type limitations. p. 5.
- Khustalov, M. M. - Adequate conditions for optimality in problems with phase coordinate limitations. p. 18.
- Nelipin, R. A. - Precise boundary of absolute stability of a regulated system. p. 30.
- Golub', N. N. - Optimal control of symmetrical heating of solid bodies during different phase constraints. p. 38.
- Evlakov, L. G. - Evaluation of the effectiveness of dynamic systems with random parameters. p. 50.
- Skliaevich, A. N., TSvetkova, E. N. - Optimal duration of total preventive maintenance of a system with possible disturbances in the structure. p. 67.
- Detzhavlin, O. M. - Structural networks of first-order pulse time modulators. p. 74.
- Petel'man, I. I. - Method for the self-adjustment of step-by-step search systems. p. 80.
- Eishov, V. P., Spynin, G. A. - Determination of an effective number of devices in complex queueing systems for automatic design and manufacture of components. p. 91.
- Gendler, M. B., Rozenblat, M. A. - Determination of different magnetic states of branched ladder-type cores. p. 101.
- Afanasyev, V. A., Dokubina, L. L. - Frequency-phase relationships in d.c. amplifiers with input signal transformation. p. 111.
- Vaschenko, V. P. - Synthesis of switching circuits with rectifier-analyst components using functional decomposition. p. 116.
- Pondin, A. F. - Comparative evaluation of the interference rejection of some methods for reception of FM signals under fluctuation noise conditions. p. 123.
- Oleynikov, A. R., Odyntsev, V. M., Slutskiy, V. V. - Synthesis of binary contact codes. p. 131.
- Bendrikov, G. A., Orlovskaya, V. I. - Trajectories of the limits of two-channel systems with antiinvariant transfer couplings. p. 153.
- Dakhovnyi, M. A., Faltshin, E. G. - Approximate solution of a problem in nonanalytical control. p. 159.
- Aved'yan, E. D. - Modification of the Robbins-Monroe algorithm. p. 165.
- Zeller, I. U. G. - Reduction of a variety of minimax problems to a problem of mathematical programming with integral or partially integral variables. p. 166.
- Budilov, V. P., Udalov, N. P. - Method for increasing the response of switching circuits using thermistors. p. 171.
- Zemilakov, S. D. - Third All-Union Conference on the Invariance Theory and Its Application in Automatic Control Systems. p. 173.
- Vas'kov, S. T. - Eighth All-Union Conference on Automatic Control and Methods for Electrical Measurements. p. 176.
- Zakrevskii, A. D., Fot, I. A. E. - All-Union Colloquium on the Automation of Synthesis of Discrete Computing Systems. p. 177.
- Zalman Shchvalovich Blakh, obituary. p. 183.

AVTOMATIKA [AUTOMATIC CONTROL]. Issued by Institut kibernetiki i telemekhaniki Akademii nauk SSSR [Institute of Cybernetics and Telemekhanika of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1967.

- Korenivskiy, D. H. - Stability of linear steady-state systems with arbitrary time lag in the feedback loops. p. 83.
- Kozubovskiy, S. F., Tunk, A. A. - Third congress of IFAC held in London June 20-25, 1966. p. 86.

Vol. 12, no. 2, Mar-Apr, 1967

- Table of contents translated
- Vasylyev, V. H. - Invariant measuring system. p. 3.
- Korshunov, M. R., Siten, M. H. - Analysis of a system instantaneously regulating gain. p. 15.
- Karachenets, D. V., Kolesnyk, V. V., Shabaev, M. S. - Study of optimality criterion of a rectification column in debenzolizing. p. 20.
- Vasylyev, V. I., Reus'skiy, V. Yu. - Description of images by integral stage functions. p. 26.
- Kashchenko, O. H., and others. - Indeterminate cognitive and predictive systems. p. 32.
- Chystiakov, V. I., Migal', V. H. - Determination of the confidence range of a function in the treatment of results of an experiment. p. 53.
- Khokhlov, O. O. - Review of methods for the generation of random processes. p. 58.
- Khachaturyan, S. D. - Methods for improving the principal characteristics of the phase-relating device of a coding converter of electrical signals with small intensity. p. 67.
- Maslov, I. S. - Use of a digital control computer in an oxygen-converter system for accelerating the self-teaching of a man-plant system. p. 75.
- Tatish, V. H., Chepurin, V. T., Shelogolev, D. H. - Analog component with memory. p. 78.
- Cherniak, R. I. A., Sal'kov, I. U. H., Pavlyk, V. M. - Long-term memory device using perforated metal cards (D7P-MK). p. 81.

ELEKTRICHESKIE SETI I SISTEMY [ELECTRICAL NETWORKS AND SYSTEMS]. Lvov, no. 1, 1965.

- Table of contents translated.
- Kholm'skiy, D. V. - Evaluation of the feasibility of the unification of power generating systems. p. 3.
- Donsenko, G. I. - Problem of the selection of optimal parameters of long-distance a.c. power transmission and distribution networks. p. 9.
- Donsenko, G. I. - Possible means for decreasing the expenditure of metal in the transmission of electrical energy at large distances and wide-scale electrification of districts. p. 10.
- Kholm'skiy, V. G., and others. - Selection of optimal cut points in municipal electric power distribution networks using a digital computer. p. 28.
- Rozov, S. S., Svin'skiy, A. K. - Response and interference rejection of a translinearized total impedance relay. p. 36.
- Fedchenko, I. K., Il'enko, O. S. - Methods for numerical integration of the differential equations of an a.c. arc column. p. 47.
- Fedchenko, I. K., Il'enko, O. S. - Determination of the characteristics of the column of an a.c. arc. p. 53.
- Sokolovskiy, S. A. - Measurement errors in the determination of the temperature of an electric arc. p. 61.
- Donsenko, G. I., and others. - Calculation of the idle currents of three-phase three-core transformers with balanced d.c. excitation. p. 70.
- Iatsun, M. A. - Technical and economic premises of power transformers and shunting reactors in composite power systems and a.c. transmission systems. p. 80.
- Veselyi, V. A., Nikolaev, N. A. - Electrical strength of high-voltage line insulation glass. p. 81.
- Kosovtakovskiy, I. G. - Operation of the pneumatic drive of an oil-filled circuit in an automatic reclosing cycle. p. 97.
- Kuznetsov, V. G. - Voltage distribution along long lines with inductive regulated transverse compensation. p. 104.
- Donsenko, G. I., and others. - Experimental study of the operation of power transformers with d.c. excitation. p. 110.

ELEKTROMASHINOSTROENIE I ELEKTROBORUDOVA-NIE [ELECTRICAL MACHINERY MANUFACTURE AND ELECTRICAL EQUIPMENT]. Kharkov, no. 4, 1968.

- Table of contents translated.
- Paifukh, A. S., Kuri-Umerov, V. O. - Static analysis of experimental dynamic characteristics of electric drives. p. 3.
- Bu'skiy, V. A., Perchik, D. I. A. - Construction of a control system of a high-speed reversing electric drive of a generator-motor system with rectifier exciter of the generator. p. 10.
- Korytin, A. M., Lopushanskii, V. M. - Graphical method for analyzing and synthesizing independent system for feeding d.c. motors from regulated power sources. p. 18.
- Shipilov, L. A. - Analysis of a circuit of a pulse-width converter with a parallel stage. p. 29.
- Meisels', A. M., Obukhovskiy, M. P. - Analysis of static operation of a symmetrical thyristor element in the circuit of a contactless starter. p. 36.

- Bushtan, L. V., Petrov, L. P. - Thermal design of electrolytic condensers for braking asynchronous motors. p. 17.
- Ludens, V. A., Petrov, L. P. - Criteria of the selection of circuit parameters with contactless starters. p. 55.
- Bardachevskii, V. T. - Calculation of the characteristics of an asynchronous motor with nonlinear resistances in the stator circuit. p. 59.
- Andreiko, I. I., Voloshanskii, E. V. - Selection of parameter in frequency control of an asynchronous motor. p. 64.
- Kokhanskii, A. I., Orlov, L. A. - Regulation of frequency and voltage of a shaft-driven a.c. generator system using a double-impulse hydraulic controller with indirect action and sensor in the form of a load block. p. 69.
- Balashov, K. K. - Efficient transformers for 100 heriz frequency. p. 81.
- Chesnokov, A. E. - Method for measuring hysteresis and eddy current losses in sectors of ferromagnetic structures. p. 91.
- Chesnokov, A. E. - Errors in measuring losses in sectors of plane ferromagnetic structures using electromagnetic transducers. p. 101.
- Arkhangelskiy, V. I. - Efficient and optimal control of metallurgical electric drives. p. 107.
- Mironenko, B. T. - Measurement of magnetic field losses in individual components of transformers. p. 119.
- Falberg, M. Yu. - Selection of the power rating of a rolling mill motor as an element of the control system of a continuous mill. p. 126.
- Kamen', I. M. - Study of the operation of a synchronous phase converter. p. 132.
- Korvin, A. M. - Synthesis of nonlinear correcting couplings in a generator-motor system with inertialess controlling exciter. p. 143.

*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radioelektriki i elektrosvyazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific and Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 21, no. 3, Mar, 1967.

- Table of contents translated.
- Abolits, A. I. - Power relationships in transmission of signals with frequency division through a nonlinear repeater. p. 1.
- Andonov, I. S. - Interference rejection of diversity reception of binary channels of binary relative phase telegraphy systems. p. 10.
- Nesleruk, V. P., Polif'eva, N. N. - Use of the theory of statistical solutions in problems of discrete signal reception using a method involving the comparison of adjacent messages. p. 18.
- Voionin, A. A. - Correlational treatment of codes correcting batches of errors. p. 23.
- Mashits, L. M. - Ionospheric scatter lines with small carrying capacity. p. 26.
- Medel', A. M. - Calculation and design of wave guide and coaxial band filters with direct coupling of resonators. p. 33.
- TSydyppov, Ch. TS., Gumbor, N. TS. - Fluctuation of the hourly mean level of a microwave signal in mountainous routes in Transbaikalia. p. 38.
- Dorfman, L. G. - Contribution to the theory of two-dimensional symmetrical 12-terminal networks. p. 47.
- Andreev, V. S., Valzburg, G. M., Fedorov, A. I. A. - Experimental study of tunnel diode oscillators. p. 55.
- Dudchenko-Dudko, V. M., Rashechepiaev, I. U. S. - Translinearized low-frequency amplifier with regulated and reversible amplification factor. p. 62.
- TSaltovich, A. B. - Calculation of the coupling impedance of the coaxial cables of long-distance communication systems. p. 68.
- Komolov, V. P., Trofimenko, I. T. - Reception of FM signals using parametric subharmonic generators. p. 74.
- Andreev, I. S. - Use of a helicopter in studying the zone of a prospective television station. p. 77.
- Solov'ev, N. N. - Reply to G. G. Lositskiy, I. U. P. Sukhov, and R. B. Ulinich. p. 80.

*ELEKTROTEKHNIKA [ELECTRICAL ENGINEERING]. Issued by Ministerstvo elektrotekhnicheskoi promyshlennosti SSSR [Ministry of the Electrical Engineering Industry of the U.S.S.R.] and others. Moscow, vol. 33, no. 3, Mar, 1967.

- Table of contents translated:
- Power conversion equipment. p. 1.
- Donskoi, A. V., Smolodnov, V. V., Kulik, V. D. - Transient and steady-state processes in a frequency converter. p. 3.
- Etlinger, E. L., Bernstein, I. A. - Equalizing currents in thyristor converters. p. 5.
- Avak'ants, S. D. - Selection of multipulse circuits for large rectifier converters. p. 7.
- Koshcheev, L. G., and others. - Single-plate excitron for converters with increased frequency. p. 11.
- Raskin, L. A. - Circle diagrams of an autonomous inverter with geometric summation of the voltages of two blocks. p. 14.

- Mostkova, G. P., Kovalev, F. I., Chvanov, V. A. - High-frequency oscillations in autonomous inverters with distributed condensers. p. 17.
- Rivlin, G. A. - Power supply of a group of regulated rectifier converters from a common transformer. p. 22.
- Nazarenko, A. P., Stakhov, V. I. - Circuit of a relay action oscillator using a thyristor. p. 25.
- Lipatov, V. S. - Method for stabilizing the output voltage of converters. p. 28.
- Melekin, B. A. - Two-step electronic commutation in a single-phase bridge rectifier circuit. p. 32.
- Karlinskii, B. A., TSvetkov, V. A., El'kind, I. U. M. - Magnetic vibration of the cores of hydraulic turbine-generator units. p. 35.
- Kazanskii, V. N., Chufarovskiy, V. V. - Choice of the number of conductors of the printed winding of a d.c. motor. p. 39.
- Kibel', V. M., Iankovskiy, V. A. - Standard orthomagnetic current transformers. p. 41.
- Adas'ko, V. I., and others. - High-quality memory storage unit using a magnetic tape. p. 43.
- Burnashev, A. A., and others. - Intensification of testing the insulation of electrical machines, transformers, and potentiometers. p. 47.
- Svi, P. M. - Device of large-scale tests of the life of high voltage insulation. p. 50.
- Chertok, B. N., Bachurikhin, N. P., Belogurov, N. T. - Oscillographic registration of static mechanical characteristics of asynchronous motors. p. 52.
- Goralko, T. A., Mazepa, S. A. - Evaluation of the effect of cooling on the selection of the power rating and torque of a drive motor. p. 54.
- Kel'mi, I. U. M., Karpova, M. V. - Calculation of the operating characteristics of a motor with a hollow rotor and control of the spatial shift of the windings axis. p. 57.
- Talts, A. A. - Scientific and technical conference on "Development of industry and the use of semiconductor power rectifier and converter systems." p. 61.

Vol. 36, no. 4, Apr, 1967

- Table of contents translated
- Aleksenko, G. V. - Manufacture of electric transformers in Russia in the past fifty years. p. 1.
- Petrov, G. N., Okun', S. S., Seigeev, D. N. - Principles of the theory of smoothly regulated transformers with voltage distribution. p. 4.
- Anshin, V. Sh., and others. - Decreasing of additional losses in large transformers. p. 10.
- Lu'e, S. I. - Electrodynamical strength of size 1-II transformers with laminar cylindrical windings. p. 14.
- Kalnichenko, I. S. - Economic effectiveness of increasing the number of core stages in a transformer. p. 18.
- Aleksandrova, M. A. - Methods for choosing optimal construction of transformers. p. 20.
- Kravtsov, S. F., Kibitskiy, M. M. - Analytical method for determining optimal dimensions of low-power transformers. p. 23.
- Kravchik, A. E. - Selection of start transformers for asynchronous motors with phase rotors. p. 26.
- Moin, V. S. - Optimal design of the transformer of a converter system. p. 28.
- Gel'perin, B. B., Malzel, A. I. - Methods for calculation and experimental check of the time constant of a regulated choke. p. 32.
- Eibshits, A. G. - Study of excitation losses of all-purpose synchronous machines. p. 33.
- Kots, B. E. - Two circuits for switching on two-winding electromagnetic. p. 36.
- Skvortsov, A. A. - Thermal breakdown of mica tape insulation. p. 38.
- Dulygina, I. I., Makarov, K. T., Seigeev, V. V. - Stability of permanent magnets from InDk24B and InDk35T5 alloys at high temperature. p. 40.
- Berend, V. V., Dmitrenko, V. E. - Decreasing internal ohmic losses of electric current sources. p. 42.
- Maslov, V. V. - Study of a polycarbonate film in a heat-moisture aging process. p. 44.
- Sisunenko, O. I., Bondar, V. V., Shifrin, L. N. - Study of the overheating of windings taking into account the nonuniformity of the distribution of losses due to eddy currents. p. 46.
- Eingorn, I. A. - Effect of the pressing-in of a magnetic circuit on the electromagnetic characteristics of power transformers. p. 48.
- Gavrilov, L. G., Lebi'kov, V. M., Rabinovich, V. M. - Experimental study of the vibration of the stators of large turbogenerators. p. 52.
- Fridman, G. B., Mikhalovskiy, I. U. A. - Calculation of maximal temperature excesses in the windings of dry transformers. p. 54.
- Shkol'nikov, B. M., Mogilevskiy, V. G. - Design of large electromagnetic clutches and brakes. p. 57.
- Sapozhnikov, A. V. - Standards on insulation levels for oil-filled high-voltage power transformers in the U.S.A. p. 60.

ENERGETIK [ELECTRIC POWER TECHNICIAN], Issued by Ministerstvo energetiki i elektifikatsii SSSR and Tsentrallyy komitet Profsoyuzov rabochikh elektrotov i elektromyashinostei [Ministry of Power and Electrification of the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol 15, no 1, Jan. 1967.

Table of contents translated
The year 1967 - 50th anniversary of the Soviet government. p. 1.
Honoring the 50th anniversary of the Great October Revolution. All-Union competitions. p. 2.
Vorobey, A. A. - The Order of Red Banner of Labor Electric Power Station in Zimlevo. p. 3.
Lobanov, M. M. - Adjustment and operation of automatic regulators of once-through-type boilers. p. 5.
Sladkov, I. A., Smet'shechkov, I. M. - Establishment of means for the organization of the operation of electric power distribution networks. p. 9.
Lukov, G. S. - Raise the level of mechanization in the unloading of solid fuel in thermal electric power plants. p. 11.
Ice cutting protective system of 35-220 kv. power transmission lines. p. 12.
Laputin, A. M., Podkorytov, A. P., Ustyalsov, I. A. E. - Improvement of lower front heads of the sections of four-drum Shukhov boilers. p. 15.
Golovov, I. U. P., Muzazhanov, S. S. - Experience in the operation of toolhead-disc type crushers. p. 15.
Polovchenko, N. R. - Automatic oil temperature regulator. p. 16.
Ashcheulov, A. L., Milaev, B. N. - Simplified device for indicating level in water heaters. p. 18.
Selivanova, O. A., Lapshin, L. V. - Determination of the seal state of water-to-water heaters of thermal networks. p. 19.
Molchadskii, M. T. - Prevention of the clogging of the drainage system of salt cells. p. 20.
Penkin, S. I. - Device for cutting into operational pipelines. p. 20.
Lepilin, A. I. A. - Analysis of climatic conditions for overhead power transmission lines. p. 21.
Makhlin, V. P. - Ultra-thin connecting insulator with sectional end caps. p. 23.
Bogoslovskii, P. V. - Redesigning of the heads of 6-10 kv. pin-type support insulators. p. 24.
Dumayevskii, L. I. A. - Screwdriver with a flexible line. p. 21.
Antoshchenko, A. A. - Rules for electricians. p. 25.
Ovulin, L. I. - Device for weaving-in cable ends. p. 25.
Tatantov, A. M. - Method for checking proper assembly of current circuits without breaking up the network. p. 26.
Gofman, I. U. M., and others. - Repair of fuses in cast parts from carbon steel. p. 27.
Egorov, V. A. - Universal grip for holding electric motors. p. 28.
Leading collectives of power engineering workers. p. 29.
From the editor's mail. p. 30.
Through the pages of foreign magazines. p. 32.
Bladenburgskaya, E. I. A., Rodin, G. G. - Books every electrician should have. p. 33.
In the technical council of the Ministry of Power Engineering and Electrification of the U.S.S.R. Temporary regulations on the operation of power generating blocks. p. 34.

Vol. 15, no. 3, Mar. 1967.

Table of contents translated:
Zhimmerlin, D. G. - Power engineering, a great force in the development of the electrification of the country. p. 1.
Mukovkin, V. A., Gulin, G. G. - Organization of the centralized repair of power plant equipment by production and repair enterprises of the Bashkirian Electric Power System. p. 4.
Vidomskii, E. L. - Technology of the replacement of air preheater blocks. p. 5.
Gelin, G. G. - Repair of fissures in the internal surfaces of the drums of high-pressure boilers. p. 8.
Gareev, A. Sh. - Repair of fissures in the weld joints of a reinforcing ring on the bottom of a drum of a boiler. p. 9.
Malinin, I. U. N., Aleksandrov, V. I. - Modernization of a boiler in the No. 1 thermal electric power plant in Ufa. p. 10.
Stepanov, N. N. - Device for removing chamfering and facing of pipes. p. 12.
Gorlachikovskii, Sh. Sh. - Grip, replacing the cutoff mechanism in pipelines carrying weak solutions of sulfuric acid. p. 14.
Borodin, I. U. N. - Elimination of high-frequency vibration and repair of the deformation of the yokes of TS, V, D, diaphragms of PT-60-130/13 turbines. p. 14.
Maurakh, N. I., Kukushkin, A. M. - Turning of the hollow chamfers of the shafts of TV-60-2 generators. p. 16.
Ponomarev, M. N. - Methods for eliminating interturn short circuits in a rotor winding. p. 16.
Ponomarev, M. N. - Use of automatic equipment in drying the windings of electric motors and transformers. p. 17.

Mokin, V. A. - Start of LMZ turbines using cooled steam. p. 18.
Bellaev, V. I. - Redesigning of the KPR-700/1000 safety valve of the T-100-130 turbine. p. 21.
Malyshov, M. I., Fisher, V. S. - Construction and operation of TsNTI-3 type classifier and separator for cogulation. p. 23.
Molchadskii, M. T. - Rapid removal of acid from freshly loaded sulfonation. p. 24.
Gryk, S. I. A. - Appearance of intensive corrosion in the equipment of chemical feedwater purification systems. p. 25.
Efimov, V. A. - Cooling of pump bearings by network water from a heating network. p. 26.
Novo hlov, I. U. N. - Installation of the UD-1 level meter in manin tanks. p. 26.
Fedun, V. T. - Increasing the voltage level in a network by changing the configuration of the transformer windings. p. 27.
Evgenev, V. M. - Redesigning of the seals of the connecting chamber of a synchronous compensator. p. 28.
Braginskii, M. I. - Soldering of the stator windings of a high-audio turbine-generator unit using a solid solder. p. 29.
Esipenko, A. D., Grishchenko, V. N. - Network of relay protection of a substation without cutouts on the higher-voltage end. p. 30.
Marfin, N. I. - Repair of reinforced concrete poles using bandings. p. 30.
Mikhailov, B. S. - Holding device for replacing STs-21 lamps and fuses. p. 31.
Smolnov, M. V. - System preventing the breaking of trolley wires. p. 32.
Novikov, I. U. N. - System for broaching broken pins. p. 32.
Kuznetsov, I. U. S. - Check and power supply of d.c. apparatus. p. 33.
Zolov, P. I., Letuchii, M. I. - Device for cutting components on a lathe. p. 35.
Through the pages of technical magazines. p. 35.
From the editor's mail. p. 36.
In the Technical Council of the Ministry of Power Engineering and Electrification of the U.S.S.R. Proposed power generating unit with 1.2 rating. Water-cooled bus line. p. 38.
Costs of electrical and thermal energy. p. 39.

Vol. 15, no. 4, Apr. 1967.

Table of contents translated:
Red challenge banners for the leading collectives. p. 1.
Tupov, B. S. - Under new conditions of planning and economic incentive. p. 2.
Uglovniko, I. I. - Organization of work in the construction of 35 kv. overhead power transmission lines. p. 5.
Gorbatchevskii, V. V. - ShDM 400/800 coal crushing ball mill should be improved. p. 6.
Tsytsenko, V. I. - Decreasing condenser losses in electric power plants. p. 6.
Vikhin, V. I. A., Fubrikant, S. I. - Automation of separators for two-transformer substations. p. 8.
Garulis, G. L. - Improvement of a pulse-type signaling network. p. 10.
Ivov, V. V., Akhmedov, R. I. - Experience in the operation of MN5100 oxygen meters. p. 10.
Lifshits, A. G., Lifshits, V. A. - Denaturation of chemically purified water for replenishment of condensate losses in the cycle of a steam-power system. p. 11.
Gryk, S. I. A. - Operation of H-cation exchangers with "starved" regeneration. p. 12.
Goncharenko, P. S. - Features of hydraulics and flushings of the DKZ-220-100GTs boilers at temperatures below zero. p. 13.
Gochev, V. S., Molchadskii, M. T. - Improvement of the blast cleaning system of a clarifier. p. 14.
Dolgov, A. F., Grishin, G. S. - Flushing of the blades of back-pressure turbines by steam from tuned-off boilers. p. 14.
Malinin, I. U. N. - Repair of metal flue pipes of electric power plants. p. 16.
Maurakh, N. I. - Redesigning of the wheel of the hydraulic lock of the R-25-90/18 turbine. p. 18.
Gorbenko, S. S. - Redesigning of a servomotor seal. p. 19.
Govan, I. U. M. - Increasing the reliability of recirculating pipelines of the feed pumps of block systems. p. 19.
Kimbrov, G. G., Sokolov, V. N. - Apparatus for recording the circle diagram of transformer switches. p. 20.
Melamed, B. M. - Use of parts from glass textolite in the repair of electrical machines. p. 21.
Lobanov, B. S., Shorin, E. F., Khanov, F. F. - Operation of water-immersed electric motors. p. 22.
Bordilov, F. M. - Improvement of the drive of the VMN-10 oil switch. p. 22.
Vlasov, A. F. - Stand for testing air-blast switches with knife separators. p. 23.
Vakhramov, A. L. - Low-frequency transistor oscillator for testing telemetering equipment. p. 24.
Sibikin, I. U. D. - Power supply of electric freight hoists. p. 25.

Egorov, U. F. - Mechanized handling of the balls of coal crushing ball mills. p. 27.
Muzabekian, Z. T. - Design data on a compensating inductive coil for burning-through the insulation of cable lines. p. 29.
From the editor's mail. p. 31.
Through the pages of technical magazines. p. 34.
Borovitskii, V. N. - New pavilion and new expositions. p. 35.
In the Technical Council of the Ministry of Power Engineering and Electrification of the U.S.S.R. New standards on the design of step-down substations. p. 36.

ENERGETIKA I ELEKTRIFIKATSHA [POWER ENGINEERING AND ELECTRIFICATION], Issued by Gosudarstvennyi planovyi komitet Sovetskoi Ministrov USSR [State Planning Committee of the Council of Ministers of the Ukrainian S.S.R.] and others. Kiev, no. (33), Jan.-Feb. 1967.

Table of contents translated
Development of power engineering in the Ukraine. p. 3.
Kharanok, G. A. - Increase the efficiency of thermal electric power plants. p. 6.
Maralin, G. A. - Slag flushing systems. p. 8.
Novikov, A. P. - Increasing the reliability of automatic protection systems of feed pumps of 300 mw boiler blocks. p. 10.
Golovovskii, V. V. - Repair and operation of rotating regenerative RVV-51 air preheaters. p. 12.
Semikol, I. P., Dubovoi, I. K. - Repair of the drum of a boiler from 16GNM steel. p. 14.
Paimenov, I. D. - Experience in prevention of the solution of insulation in open power distribution systems. p. 16.
Barabanov, B. P. - Conversion of municipal electric power distribution networks in Simferopol' and greater Yalta to operation on increased potentials. p. 19.
Shut, V. V. - Compensation of capacitive currents and protection from short-circuit to ground of networks with insulated neutral lines. p. 19.
Slavinskii, A. K., Mukhomorov, E. A. - Blocking device for operation during faults in the voltage circuits of 2-35 kv. power distribution networks. p. 24.
Murasov, T. P., Lalyush, I. G. - Ice crusts and melting of lines on high-voltage lines in the Donets Basin. p. 25.
Dashchenko, I. T. - Ice crusts and thunder storms in Transcarpathia. p. 26.
Tatantov, O. D. - Milling of ice crusts on the guard wires of electric power transmission lines. p. 27.
Marfin, N. I. - Decreasing the length of the anchor spans of electric power transmission lines. p. 28.
Lezhnev, V. K. - Is it necessary to decrease the length of the anchor spans? p. 30.
Brinberg, V. P. - Load decrease and selection of equipment for the Dnepropetrovsk Hydroelectric Power Station No. 2. p. 32.
Zutikov, V. I., Pavlov, E. F. - Prospects for overall utilization of water resources of the Prut River basin. p. 33.
Seidukova, V. V. - Consideration of the settling of lower layers of earth in the construction of earthen hydraulic structures. p. 36.
Cheidnov, I. U. N. - Nonlinear frequency-pulse controller. p. 36.
Samolov, A. V., Mladchenko, M. I. - Effect of thermal insulation on the heating power of a new process. p. 39.
Dashkev, I. U. G., Rozhalin, V. P., Latenko, N. V. - Study of the hydrodynamics of the heat shields of the PK-31 boiler. p. 41.
of the hydrodynamics of the heat shields of the PK-31 boiler. p. 41.
Denisenko, S. A., Lushchik, V. D. - Asynchronous motor with squirrel cage rotor for smooth regulation of angular velocity. p. 44.
Vlasov, P. V. - Testing of high-pressure equipment for corrosion wear. p. 46.
Solomko, V. M. - Treatment of water by means of ion exchange. p. 48.
Vlasov, I. U. V. - Scientific and technical information on electric power enterprises in the Ukrainian S.S.R. p. 51.
Water conditions in thermal electric power plants. p. 52.
Exchange of experience on work in the repair of thermal power plant equipment. p. 53.
Davydov, I. A. N. - Light sources and fixtures for the lighting of thermal electric power plants. p. 55.

No. 2(32), Mar.-Apr. 1967.

Table of contents translated:
Shevedrin, A. I. - The Lenin Order Donetsk Basin Electric Utility System. p. 3.
Gol'dinov, A. A., Stanislavskii, R. L. - Increasing the operational reliability of the self-need systems of 300 Mw. blocks. p. 5.
Mikhailov, T. F. - Increasing the reliability of TP-100 TKZ boilers. p. 8.
Sigal, I. I. A., Lavrentsov, E. M. - Gas-fired central-heating-type industrial water heating boilers. p. 10.

| | |
|---------------|----|
| 1. A. A. ... | 1 |
| 2. A. A. ... | 2 |
| 3. A. A. ... | 3 |
| 4. A. A. ... | 4 |
| 5. A. A. ... | 5 |
| 6. A. A. ... | 6 |
| 7. A. A. ... | 7 |
| 8. A. A. ... | 8 |
| 9. A. A. ... | 9 |
| 10. A. A. ... | 10 |
| 11. A. A. ... | 11 |
| 12. A. A. ... | 12 |
| 13. A. A. ... | 13 |
| 14. A. A. ... | 14 |
| 15. A. A. ... | 15 |
| 16. A. A. ... | 16 |
| 17. A. A. ... | 17 |
| 18. A. A. ... | 18 |
| 19. A. A. ... | 19 |
| 20. A. A. ... | 20 |
| 21. A. A. ... | 21 |
| 22. A. A. ... | 22 |
| 23. A. A. ... | 23 |
| 24. A. A. ... | 24 |
| 25. A. A. ... | 25 |
| 26. A. A. ... | 26 |
| 27. A. A. ... | 27 |
| 28. A. A. ... | 28 |
| 29. A. A. ... | 29 |
| 30. A. A. ... | 30 |
| 31. A. A. ... | 31 |
| 32. A. A. ... | 32 |
| 33. A. A. ... | 33 |
| 34. A. A. ... | 34 |
| 35. A. A. ... | 35 |
| 36. A. A. ... | 36 |
| 37. A. A. ... | 37 |
| 38. A. A. ... | 38 |
| 39. A. A. ... | 39 |
| 40. A. A. ... | 40 |
| 41. A. A. ... | 41 |
| 42. A. A. ... | 42 |
| 43. A. A. ... | 43 |
| 44. A. A. ... | 44 |
| 45. A. A. ... | 45 |
| 46. A. A. ... | 46 |
| 47. A. A. ... | 47 |
| 48. A. A. ... | 48 |
| 49. A. A. ... | 49 |
| 50. A. A. ... | 50 |
| 51. A. A. ... | 51 |
| 52. A. A. ... | 52 |
| 53. A. A. ... | 53 |
| 54. A. A. ... | 54 |
| 55. A. A. ... | 55 |

Kravtchik, I. U. S. - Selection of circuits for devices compensating reactive power in networks with non-sinusoidal voltages and currents. p.190

Goloshchekin, I. G., Marchenko, V. A. - Effect of a thin diaphragm on discharge ignition potential in the region of the left branch of the Paschen curve. p.194

Sena, L. A., Plutinski, N. Z. - Advantages of d.c. power supply of the pilot arc of a mercury-arc rectifier. p.202

Goloshchekin, I. G., Morozov, V. V. - System for controlling and regulating processes in vacuum technology. p.206

Plutinski, N. Z. - Measurement of the power and energy of an electric arc using a m.f. Hall transducers. p.213

Davidova, I. I., Filippov, A. A. - Equivalent network of a transformer with saturated magnetic circuit. p.225

Slonim, M. A. - Analysis of an inverse firing process in a loaded bridge-type converter. p.228.

MOSCOW VSESOIUNZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT ELEKTROENERGETIKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ELECTRIC POWER ENGINEERING Transactions]. No.25, 1966

Table of contents translated

El'kind, I. U. M. - Methods and problems in the study of electromechanical processes of synchronous machines. p.5

Radtschik, V. M., Riabov, E. V. - Comparative study of the strength of rotor banding stages of large turbogenerators by means of an operational unit. p.29

Kargashkin, D. A., Ruzov, I. U. M. - Study of the stressed state of a small tooth of a rotor barrel using plane models and an optical polarization method. p.44

Prado, F. Kh., Tsvetkov, V. A. - Equivalent circuit for calculating the torque of the front parts of the stator winding of a hydraulic turbine-generator unit. p.49

Patrov, I. U. V., Prado, F. Kh. - Determination of some mechanical parameters of the frontal arcs of the stator winding of the VGS-700/100-48 hydraulic turbine-generator unit. p.57

Riabov, E. V., Tsvetkov, V. A. - Study of the torque fluctuations of T2-4-2 turbogenerators of mobile electric power plants. p.63

Aronstam, I. U. L., and others. - Effect of the mechanical deformation of compounded insulation on its electrical strength. p.77

Aronstam, I. U. L. - Study of the mechanical properties of cords and wires used in fastening the frontal parts of the stator windings of electrical machines. p.90

El'kind, I. U. M., Biber, L. A., Magazhnei, V. Z. - Oscillographic recording of temperatures and deformations of the rotating parts of electrical machines. p.95

El'kind, I. U. M. - Methods for analyzing the dynamic errors of an oscillographic galvanometer. p.104

Koval', A. A. - Multichannel magnetograph for registering electromechanical processes. p.121

Biber, L. A., Koval', A. A. - Distortions of a signal in a magnetograph with pulse-width modulation. p.136

Biber, L. A., Khilushin, M. P., Koval', A. A. - Analysis and compensation of the detonation of the tape winder of a magnetograph. p.155

Biber, L. A., Karpin, I. A. A. - Methods for processing the magnetograms of electromechanical processes in automatic information treatment. p.163

Biber, L. A., Zhdanova, I. U. E., Legkit, G. K. - Photogalvanometric amplifier for vibration and temperature transducers. p.168

Dolina, V. I. - System for the study and calibration of phase accelerometers. p.172

Chistikov, A. P., Shelman, K. V., Kelt'magomhetova, P. M. - Multichannel current takeoff devices. p.187.

MOSCOW VSESOIUNZNYI ZAOCHNYI ENERGETICHESKII INSTITUT. Trudy [ALL-UNION CORRESPONDENCE INSTITUTE OF POWER ENGINEERING Transactions]. No.30, 1966, Industrial economics.

Table of contents translated

Chernukhin, A. A. - Decisions of the September Plenum of the Central Committee of the CPSU and problems of economic incentives for production. p.5

Aksenova, V. G., Chernukhin, A. A. - The network methods of planning. p.23

Vitebskii, I. D. - Some problems in the economics of the automation of production. p.37

Aksenova, V. G. - Some problems of developing specialization in the manufacture of radio broadcasting apparatus. p.50

Rozanov, M. N. - Problems of the economic evaluation of electric power distribution. p.55

Zaitsev, R. L. - Material and technical prerequisites for increasing labor productivity. p.65.

Kalashnikova, L. E. - Economic problems and paths for the electrification of national economy. p.77

Gollanova, I. U. P. - Scientific and technical progress and its role in the development of the material and technical foundation of communism. p.83

Simolova, I. D. - Improving the efficiency of student students in institutions of higher technical education. p.92

Sergeeva, I. G., Aksenova, V. G. - Some problems of improving the organization of labor in factories. p.100

Vitebskii, I. D., Chernukhin, A. A. - Basic problems of determining the efficiency of capital investment and new equipment. p.110

Motelsky, I. A. - Organization of the safe operation of electrical equipment in machinery-assembly shops. p.122

No.31, 1966.

Table of contents translated

Kolova, L. I. - Phase shift between the first current and voltage harmonics on a nonlinear component. p.7

Chernukhin, A. N. - Automatic check of the quality of electrical insulation of cable components. p.15

Khokhlov, A. P., M. Shulev's generalized theorem for a magnetic pendulum and a gyroscope. p.25

Kagan, A. I. - Reliability of the remote control systems of oil fields. p.55

Shapito, D. I. - Integral method for the determination of optimal control. p.70

Bogin, V. I. - Study of a complex production system as an object of automatic control. p.84

Andreev, E. V., Voshchinski, S. B., Ignatov, V. A. - Accuracy of the discrete assignment of boundary conditions in modelling a field in the air gap of an electrical machine using the method of integral equations. p.94

Kuznetsova, L. I. - Response of amplidyne amplifiers. p.99

Mhoyt'skii, D. I., Budagian, I. F. - Solution of a problem in the synthesis of a nonuniform line (layer) using a partial wave technique. p.111

Zarudi, M. I. - Experimental determination of the parameters of a diode. p.152

Khokhlov, G. I. - Adaptation of discrete information transmission systems. p.155

Shel'tov, L. M. - Use of an averaging technique in studying a nonlinear gyroscope stabilization system. p.163.

RADIO Organ of Minitserstva avlazi SSSR and Voenno-voennoe dobrovol'noe obshchestvo radioelektroniki armii, avlazi (Ministry of Communications of the U.S.S.R. and the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy) Moscow, no.1, Jan. 1967.

Table of contents translated

Gutman, A. - With thoughts of the fatherland. p.1

Pavlov, S. - On call letters as still the same. p.1

Robut, B. - Honorable efficiency aspect of the Krasnodar Republic. p.6

Pionin, G. - Friendship of radio amateurs. p.6

Sergeev, K. - Calling everyone. p.6

Our contest. p.6

Krivos, I. U. - I won't surrender. p.10

Lerner, A. - Cybernetic machines of the future. p.12

Galkin, P. - A tourist's companion. p.14

Venoyev, M. - Amateur shortwave FM receiver. p.17

"Fox hunting" on skis. p.22

Leuski, A. - Victory of the Soviet "hunters." p.21

Kazanski, N. - Two cups of the teams from the U.S.S.R. p.25

Portable radio transmitter. p.26

Aksenov, A. - "Fox hunting" receiver for operation at 3.5 mc. p.29

Kalluh, P. - Simple television channel switch. p.31

Dubitski, G. - The 23 LKOB kinescope. p.31

Repair of television receivers. p.34

Gordov, V. - Punched cards for the Li-3 (MIL-U-1) apparatus. p.35

Kononovich, L. - Phase characteristics of stereophonic channels. p.38

Dodonov, E. - Voltage stabilizer with overload protection. p.40

Borodin, V., Efimenko, V., Shishkin, V. - "Svetlik" portable radio. p.41

Kapitonov, V., Ivanov, L. - "Orbita-1" magnetic tape recorder. p.44

Bornovolokov, E., Krivopalov, V. - Your first transmitter radio. p.46

Ivanov, V. - Homemade telephone apparatus. p.49

Technological advice. Filter for a transistor radio. p.52

Power transformers. p.54

Zel'din, E. - Foreign low-power electron tubes and their Russian equivalents. p.55

Martynenko, N. - Electronics in automobile ignition systems. p.57

In foreign countries. p.59

Our consultations. p.61.

No.2, Feb. 1967.

Table of contents translated

Leonov, A. - Guarding the fatherland. p.1.

- Gafgar'eva, N. - They will live forever. p.3.
 Thurlin, V. - Generosity of the heart. p.5.
 Kononov, A. - An unexpected discovery. p.6.
 Kulov, I. - Creative search. p.8.
 Diachenko, P. - Preparing for the remarkable date. p.10.
 CQ-U, p.11.
 Kazanskii, I. - Sportsmanship of a shortwave radio amateur. p.12.
 Gofiner, F. - New publications for radio amateurs. p.14.
 Zabolotskii, N. - Literature on radioelectronics. p.15.
 Vinnikov, I.A., Mikhailov, E. - Mask-type kinescopes. p.16.
 Sviridukov, I.U. - Device for adjusting television receivers. p.18.
 Liakhov, E. - Band-pass amplifier with increased selectivity. p.21.
 Safronov, V. - A-18 car radio. p.24.
 Krivouchevko, V., Solovov, V. - Radio amateurs discuss their equipment. p.28.
 Matlin, S., Solov'ev, A. - Transistorized "foxes." p.30.
 Galdai, P. - A tourist's companion. p.31.
 Vol'skii, A. - "Elektricheskii" p.38.
 Technological advice. Simple punches for making discs. p.41.
 Specialists tell about TVS transformers. p.42.
 Matynenko, N. - Electronics in automobile engine ignition systems. p.44.
 Device for checking brake fluid level. p.46.
 Shlapakov, V. - Magnet instead of a generator. p.48.
 Smoothing filters. p.47.
 Lomantovich, V., Shapko, A. - Low-frequency generator. p.49.
 Frolov, V. - Transistors for television receivers. p.50.
 Kluchina, T., Gadzhiev, S. - Use of thermistors in the measurement of a temperature difference. p.53.
 Kravchenko, E. - Power supply of transistor radio receivers using a line current source. p.54.
 Dulgai's participation at the "Interotekhnika-66". p.56.
 In foreign countries. p.58.
 Il'in, V. - Dealers in "rotten goods." p.60.
 Our consultations. p.61.
- No.4, Apr. 1967.
 Table of contents translated.
 Preparing for the Sixth All-Union Congress of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. p.1.
 Vasil'ov, M., Badoev, A. - V.I. Lenin in "New Holland." p.3.
 Ostasimov, B. - M.A. Bonch-Bruyevich. p.5.
 Litvinov, S. - "Expo-67." p.6.
 Kravtchuk, A. - Warm memories of a radio operator. p.7.
 Grif, A. - Made in the Ukraine. p.8.
 Pichukhovich, N. - Contribution of students to agriculture. p.10.
 Ravnik, I.U. - Concerning "hand slippage" on a telegraph key. p.12.
 Kazanskii, N. - New developments in regulations on radio competitions. p.13.
 CQ-U, p.14.
 Kuvaldin, E., Chernyshev, V. - Attachment for 430-440 Mc. p.15.
 Dolosov, B. - Radioelectronics in medicine. p.17.
 Blekhin, S. - Aspirations of the building industry workers and present-day conditions. p.19.
 Radio amateurs telling about their equipment. p.20.
 Efrussi, I.A. - A first class television receiver. p.22.
 Repaired by amateurs. p.24.
 Zel'din, E. - Class-B transistor amplifier. p.25.
 Julianov, E. - Efficient pocket radio. p.27.
 Akulnichenko, I. - Slab-to transformerless low-frequency amplifier. p.28.
 Vasil'ev, V. - Special features of low-frequency transistor amplifiers. p.29.
 "Stilus-5" radio-phonograph combination. p.32.
 Bondarov, I., and others. - "Nota" attachment for magnetic tape recorders. p.34.
 Popova, G. - Loudspeaker column with universal directional characteristic. p.36.
 Ivanov, V. - Detector radio reception. p.37.
 Shilov, V. - Indicators using neon lamps. p.39.
 Nikolaev, N. - Creative work of beginning radio amateurs should receive attention and consideration. p.42.
 Nikolaev, N. - Transistorized signal generator. p.43.
 Khalturin, B., Skripnikov, I.U. - Time relay with counting device. p.46.
 Klimov, V. - Phototelegraph tape recorder. p.48.
 New semiconductor devices. p.52.
 In foreign countries. p.55.
 Bozhenov, V. - Japanese portable magnetic tape recorders. p.57.
 Our consultations. p.61.

- *RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo i radiotekhniki i elektrosvazi im. A.S. Popova [A.S. Popov Scientific Technological Society of Radio Engineering and Telecommunications] Moscow, vol.22, no.4, Apr.1967.
 Table of contents translated.
 Malinov, V.V. - Single-cycle third-order pulse-width modulation. p.1.
 Petlov, I.I. - Comparative evaluation of communication systems with different forms of modulation. p.7.
 Okunev, I.U.B., Rakhovich, L.M. - Form of square-wave oscillations used as weight functions of an optimal receiver. p.10.
 Kilagin, L.E. - Linearization of the phase characteristics of wide-band phase converters. p.21.
 Vostovskii, E.G. - Contribution to the theory of complex transmission lines. p.28.
 Belousov, S.P., Lialikov, V.V. - Shortwave logarithmic antenna. p.36.
 Mironenko, I.G. - Synthesis of antennas with finite aperture radiating a maximum put of power in a given solid angle of space. p.43.
 Ponomarev, M.F., Popov, V.P. - Selective transistor RC circuit. p.50.
 Vasil'kevich, I.V. - Generalized analysis of a single stage amplifier with composite feedback and complex load. p.56.
 Mironov, A.N. - Tuned cascade transistor amplifier. p.66.
 Iatskaev, S.A. - Sequence selection of RF pulses according to the carrier frequency. p.71.
 Perlov, B.V., Kazarov, E.Kh. - Design relationships in transistor trigger circuits with neon lamps. p.75.
 Seiglevskii, B.D. - Determination of joint angular coordinates of radiators. p.83.
 Kantor, E.L. - Instantaneous voltage generator with regulated voltage and varying time scale and some of its applications. p.89.
 Melezhek, V.A. - Effect of noise on a filter-discrimination-integrator system. p.97.
 Morozov, A.K., Trifanov, I.U.G. - Letter to the editor. p.103.
 Andronov, I.S. - Reply to A.K. Morozov and I.U.G. Trifanov's letter. p.104.
 Kuvshinov, B.I. - Distribution of the probability of impulse noise at the output of a band filter. p.105.
 Soloshek, L.K. - Instability in converters using nonlinear capacitance. p.106.
 Fomin, N.N. - Design of a tunnel diode oscillator with a crystal in the capacitive circuit branch. p.107.
 Volinskii, V.N. - Selection of optimal amplification coefficient for the feedback circuit of a synchronous storage device. p.110.

- RADIOTEKHNIKA [RADIO ENGINEERING]. Kharkov, no.2, 1966.
 Table of contents translated:
 Shecherbak, V.V. - Diffraction of electromagnetic waves on a strip wave guide diaphragm with multilayer magnetodielectric. p.3.
 Shecherbak, V.V. - Diffraction of electromagnetic waves on a double evenly gapped diaphragm with multilayer magnetodielectric. p.18.
 Shubarin, I.U.V., Iatsuk, L.P. - Parameters of non-resonant gaps in a rectangular waveguide. p.30.
 Shubarin, I.U.V., Gorbols, N.N. - Polarizational structure of the field of some types of exciters. p.37.
 Zorkin, A.F., Tereshchenko, A.I. - Parameters of ring resonators in II and X shaped wave guides bent in the E plane. p.48.
 Liapunov, N.V., and others. - Inductive rod in a II and X shaped wave guide. p.55.
 Liapunov, N.V., Zolats, B.F. - Coupling of an II shaped and a rectangular wave guide. p.64.
 Tret'akov, S.S. - Contribution to the theory of excitation of ring wave guides with a dielectric media. p.71.
 Barogamian, V.A. - Propagation of electromagnetic waves in a ring wave guide with anisotropic medium. p.82.
 Maslov, S.A. - Calculation of the propagation constants of an H₁₁ wave in a ring wave guide with finite thickness of rings. p.88.
 Tereshchenko, A.I., Bondarenko, V.M. - Effect of the curvature of the boundary surface on the structure of an electromagnetic field. p.93.
 Iakimov, I.P. - Fluctuation radiation of a ferrite cylinder. p.100.
 Iakimov, I.P., Nazarenko, L.A., Shadrin, A.A. - Electromagnetic fluctuations in a helical wave guide with a gyrotropic medium. p.109.
 Orlov, V.G., Kukush, V.D. - Ponderomotive action of electromagnetic waves on wave guide cavity resonators. p.117.
 Orlov, V.G., Kukush, V.D. - Ponderomotive forces acting on the walls of a rectangular wave guide with an unmatched load. p.128.
 Rutkas, A.G. - Multiterminal networks as open systems. p.133.
 Dikarev, V.A. - Some self-conjugate problems for the Maxwell operator. p.147.

- Iatsuk, K.P. - Errors in the measurement of the specific inductive capacitance of a substance using a helical resonator technique. p.155.
 Detneva, I.U.A. - Coupling impedance of a bent wave guide loaded with a comb-type delay structure. p.161.
 Litvinov, D.D. - Errors in the measurement of the coefficient of a standing wave. p.168.
 Shul'ga, V.G., Shelin, A.G. - Measurement of the coupling impedance of delay systems. p.176.
 Dorokhov, A.P. - Wave guide plunger with springs cut along surface current lines. p.181.
- *RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.12, no.2, Feb.1967.
 Table of contents translated:
 Dashaev, A.E., Gushchina, I.I.A., Zlatitskii, V.A. - Effect of the form of the characteristics curve of an electrostatic deflection on the radiation power of the discharging layer. p.179.
 Kizukov, V.I. - Calculation of correlation function and spectral density of power in random selection. p.184.
 Kholentsev, I.U. - Some properties of the phase characteristics of the coefficients of reflection of passive and regenerative systems. p.193.
 Zhodzinskii, M.I. - Approximate method for studying transient processes in multistage self-oscillators. p.199.
 Sukharevskii, I.V. - Propagation of electromagnetic waves through a radiotransparent layer. p.208.
 Maksimov, I.U.N. - Asymptotic theory of the diffraction of electromagnetic waves on a metal cylinder surrounded by a nonuniform plasma layer. p.216.
 Fel'd, I.A.N. - Optimal amplitude-phase distributions in plane periscopic systems. p.229.
 Shifin, I.A.S., Korotenko, L.G. - Effect of the non-homogeneity of the atmosphere on the directivity gain of large antennas. p.237.
 Katsenelenbaum, B.Z., Semenov, V.V. - Synthesis of phase correctors forming a given field. p.244.
 Kaplan, V.A. - Diffraction of a plane electromagnetic wave on a dielectric layer with a grid of vibrators. p.253.
 Tlukov, I.P. - Theory of symmetrical wave guide circulator. p.268.
 Rivlin, L.A. - Propagation of light in a stable media with negative absorption. p.278.
 Kuzlov, N.V., Kurnetsova, T.I. - Nonlinear distortions of signals during the saturation of masers. p.284.
 Aburadov, I.U.V., Solov'ev, E.G. - Design of a rod-type delay system of a maser partially loaded by an active medium with anisotropic specific inductive capacitance. p.294.
 Ogryin, I.U.F., Iatskii, V.N. - New methods for measuring Hall e.m.f. p.303.
 Matusovich, I.M., Nedel'skii, M.F. - Pulse characteristics of gallium phosphide light sources. p.323.
 Melnikov, E.Z. - High-frequency macrostructural polarization of semiconductors. p.327.
 Chernyi, F.B. - Mechanism of long-distance tropospheric radio wave propagation. p.333.
 Abramov, V.V., Kaplan, V.A. - Determination of the coefficients of propagation of electromagnetic waves through perforated metal surfaces in a dielectric layer. p.340.
 Litvinenko, O.N. - Resonance frequencies of short-circuited and open sections of nonuniform lines. p.342.
 Zabolotnikov, I.U.P. - Determination of the coefficient of nonreciprocity of a nonreciprocal element. p.342.
 Dett, V.

Older, E. B. - Calculation of coupling and de-
pression factors of a comb-type delay system.
p. 744

Orin, R. F., and others - Quantum dimension effects
in thin bismuth films. p. 718

Polak, I. I., Shakhova, S. A. - Field emission
of the electron coated by thin layers of aluminum oxide
p. 750

Sokolov, V. P., Igutsin, M. I. - Recombination prop-
erties of copper in gallium arsenide. p. 752

Ushakov, D. N., Smirnov, N. N., Slobodnikov, A. V.
Sect. of the dependence of capacitance on the in-
verse offset of alloyed InAs-diodes. p. 754

Vasilenko, I. G. - Distribution of the concentration
of the minority carriers in the base of a semicon-
ductor diode during the switching of a d.c. pulse.
p. 756

Vasilenko, I. G., Vukobratovic, M. D., Vlatkin, A. P. -
Study of p-n tunnel junctions with polycrystalline
gallium arsenide film base. p. 757

Vladimirov, V. N. - Voltampere characteristics of p-n
junctions in insub at helium temperatures. p. 762

Koz'min, V. A. - Switching potential in thyristors.
p. 764

REFRATIVNIYI ZHURNAL AVTOMATIKA, TELEM-
EHNKA I VYCHISLITEL'NAYA TEKHNIKA [JOUR-
NAL OF ABSTRACTS AUTOMATIC CONTROL, RE-
MOTE CONTROL, AND COMPUTER TECHNOLOGY].
Issued by Vsesoyuznyy Institut nauchnoy i tekhnicheskoy
informatsii [All-Union Institute of Scientific and Tech-
nical Information], Moscow, no. 6, June 1987

REFRATIVNIYI ZHURNAL - ELEKTRONIKA I EE PRI-
MENENIYE [JOURNAL OF ABSTRACTS ELECTRON-
ICS AND ITS APPLICATION]. Issued by Vsesoyuznyy
Institut nauchnoy i tekhnicheskoy informatsii [All-
Union Institute of Scientific and Technical Information]
Moscow, no. 5, May 1987.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i
srednego spetsial'nogo obrazovaniya. Izvestiya vy-
shikh i srednykh zavedeni, elektromekhanika [Ministry
of Higher and Secondary Specialized Education, Bulletin
of the Institutions of Higher Learning, Electrical
Mechanics and Apparatus], Novocherkassk, no. 2, Feb.
1987

Table of contents translated

Igoshin, A. P., Sivlov, V. I. - Modeling of welding
processes using computers. p. 123

Gil'dbrand, A. D., and others. - Choice of the network
of the electronic model of an asynchronous motor in
varying speed operation. p. 131

Trop, A. E., Arshinskiy, V. M., Priokofev, E. V. -
Determination of the mechanical characteristics of
an asynchronous electric drive using analog com-
puters. p. 138

Bonnikov, O. A., Smirnov, N. S. - Use of an electronic
digital computer in the determination of the opera-
tor resistances of a c. machines by means of a
frequency method. p. 144

Mufazatov, F. Sh. - Regulation of the angular velocity
of small three-phase asynchronous motors with
square-wave rotors using phase and amplitude-
phase control of the asymmetry of the supply
voltage. p. 151

Kononenko, E. V., Garganev, B. P., Alferov, A. N. -
Circle diagrams of synchronous-reactive motors.
p. 162

Annenkov, V. B., Kurayin, A. S., Lodochnikov, E. A. -
Experimental study of the smoothness of rotation
of synchronous motors. p. 169

Novikov, A. V., Kluev, S. G. - Capacitive self-
excitation of an asynchronous generator. p. 173

Sumakov, B. A., Semenov, N. P. - Single-amplitude
synchronous frequency converter. p. 180

Tranov, G. V. - New expressions for the calculation
of single-phase motors. p. 188

Zhukovskiy, V. G., Orlov, V. A. - High-speed d.c.
drive with regulated rectifiers. p. 192

Kozhevnikov, K. I. - Optimizing control of the
armature voltage of rolling motors of cogging
mills with damping speed equal to ejection speed.
p. 199

Vinogradov, A. L., Ryzun, V. I. - Automation of the
asynchronous motor of a mine skip hoist using a
tachometer generator as a voltage divider. p. 209

Liubchik, M. A., Klumenko, D. V. - Electromagnetic
drive of devices with impulse action. p. 215

Bychkov, A. I., Zytov, A. I. A. - Contactless system
for automatic selection of the form of an instrument
or address during productivity of a mechanism
p. 219

Sforospevkhin, A. I., Podborzhiy, E. N. - Collectorless
amplifier. p. 226

Kononenko, E. V., Fink, A. F. - Input moment of
synchronous motors. p. 229

Konukhov, N. F. - Contactless sine-cosine potenti-
ometers. p. 231

Karmilskiy, D. E., Chelobolov, E. A. - Device for
discrete registration of the oscillations of the hull
of a locomotive relative to cars. p. 233

No. 3, Mar. 1987.

Table of contents translated

Nelushli, A. V. - Algebra of line sequences. p. 219

Bollayev, I. P., Dubov, V. V. - Analysis of the distri-
bution of the overheating of the windings of traction
motors using a mathematical statistical method. p.
p. 249

Vasil'ev, G. A. - Simulation of the magnetic circuit
of traction motors with pulsating current. p. 255

Sidel'nikov, B. V. - Consideration of the harmonic
reaction of an armature in the calculation of tran-
sient processes in d.c. machines. p. 260

Iakovenko, V. I. A., Shevelev, A. A. - Analysis of
different methods for improving the commutation
of motors operating from a pulsating current source.
p. 267

Sheshtakov, A. N. - Determination of optimal param-
eters of the smoothing reactance of electric machin-
es with split magnetic circuits using an electronic
computer. p. 271

Novoprenko, N. M. - Measurement of pulsating volt-
ages in electric traction using a d. Hall
transducers. p. 285

Reshetnikov, F. M., Klimov, V. P. - Design of a trans-
formers voltage-shaping circuit. p. 295

Radin, S. G. - Regulation range of transistor pulse
amplifiers. p. 303

Ingagimov, L. S. - Synthesis of optimal control for a
third-order system with two regulating components.
p. 310

Ptashin, V. A. - Synthesis of a device for automatic
automatic reclosing. p. 311

Novoselov, B. V. - Improving the quality of a power-
type servo system with error signal generated by a
special compensating unit. p. 327

Ivanov, E. M., Shul'ga, V. G. - Study of angular char-
acteristics of phase-sensitive amplifiers. p. 331

Pustynnikov, V. G., Likhachev, I. V. - Effect of
residual voltages in a cold-worked layer of steel
items using two electromagnetic parameters.
p. 339

Omel'chenko, V. T. - Bridge-type excitation of elec-
trical machines. p. 345

Gostev, V. I. - Calculation of phase-lead four-term
final networks with choppers for a c. systems.
p. 352

Dyslov, B. P., Gikly, A. P., Stetskovskiy, A. P.
Automatic dielectric meter. p. 355

Zharinov, A. P. - Study of conversion of small
angular velocities. p. 358

Zhelonogov, A. P., Bivodan, L. A. - Measurement of
small angular velocities. p. 360

Menstelev, I. S., Kala, B. B. - Effect of current den-
sity beneath brushes on the commutation of d.c.
machines. p. 362

Petapenko, V. I. A. - Automation of recording and pro-
cessing of the readings of electric meters. p. 365

Nadnenko, V. K. - Use of electrochemical methods
for feeding information into electronic com-
puters from formalized documents. p. 368

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i
srednego spetsial'nogo obrazovaniya. Izvestiya vy-
shikh i srednykh zavedeni, energetika [Ministry of
Higher and Secondary Specialized Education, Bulletin
of the Institutions of Higher Learning, Power Engin-
eering], Moscow, vol. 10, no. 3, Mar. 1987.

Table of contents translated

Rozhanskiy, Z. E. - Directional short-circuit-to-ground
protection system for apparatus with small short-
circuit-to-ground currents. p. 1

Kuzasenkov, V. A. - Heating of relays and contact
in circuits with contactless inductive switches.
p. 5

Zdrok, A. G., Saltunov, A. A. - Analysis of the opera-
tion of three-phase choke-type magnetic amplifiers
with active-inductive d.c. loads. p. 11

Osnovich, L. D. - Calculation of an electromechanical
in the proximity of the boundary of two media. p. 11

Lyslov, A. I. A. - Experimental determination of the
parameters of an asynchronous machine with short-
circuited rotor. p. 22

Shirokiy, D. K., Sudilavskiy, V. K. - Fuel regulator of
a once-through-type boiler with a steam-modulator
impulse. p. 27

Kondrashin, A. V. - Effect of a multiple-step system
of evaporation in a drum boiler on the dynamics of
the level. p. 33

Zhikhov, G. I., Tsal'ska, E. M. - Utilization of wood
as a fuel and a source of chemicals in a layer for-
mance and generator with reversed blast. p. 39

Brodianskiy, V. M., Grachev, A. B., Savinova, N. M. -
Piston seal and efficiency of a piston-type com-
pressed-gas motor. p. 45

Ikrimov, N. P. - Distribution of the temperature
of a liquid in a channel with rectangular cross-sec-
tion and second-order boundary-value condition.
p. 62

Teplov, N. A. V., Malkov, V. P. - Determination of
heat transfer coefficients in a layer of a granular
material under nonadiabatic conditions. p. 51

Lopatkin, B. V., Kulakova, M. I., Malkov, I. A. -
Study of the placement of heat pipes with sand-con-
crete filling. p. 63

- Melent'ev, V. M., Ageev, I. U. M. - Mean angular coefficient of self-irradiation of an open cylindrical cavity with finite length, p. 66.
- Preloz, G. A. - Pumped storage electric power plants, p. 73.
- Lebedev, I. V., Seifulla, D. D. - Evaluation of hydraulic resistance of slot structures, p. 61.
- Tlarenko, M. V. - Increasing electric power supply to consumers, p. 89.
- Bladyko, V. M., Gorbunov, V. N., Mazurenko, A. A. - Excitation of the second harmonic in a two-stage ferroresonant circuit, p. 91.
- Novikov, O. I. A. and others - Voltage recovery indicators, p. 95.
- Spachko, K. G. - Comparative evaluation of the stability of standard nonbalanced transistor stages, p. 97.
- Krasnopol'shina, A. A. - Calculation of dynamics in systems with push-pull magnetic power amplifiers, p. 102.
- Kovalev, I. S. - Calculation of the electrical field of symmetrically coupled ship transmission lines in a d.c. mode of operation, p. 106.
- Kuznetsov, I. U. M., Uspenskiy, V. A. - Selection of the axial dimensions of a steam-jet ejector, p. 110.
- Burnik, V. M., and others - Effect of the angle of installation of a rectangular roughness element on the heat transfer and resistance of a plate, p. 114.
- Korolenko, I. U. A., Chernikov, E. F. - Method of finite differences applied to the calculation and modeling of regenerative heat exchangers, p. 117.
- Kozum, P. A. - Concerning L. H. Kovalevskii's article "Elements of the gas dynamics of a pneumatic drive following the switching-in of high-voltage switches," p. 121.
- Vol. 10, no. 4, Apr. 1967.**
- Table of contents translated.
- Prakhin, D. I. A. - Determination of an optimal law governing the excitation regulation of a synchronous generator of a complex system, p. 1.
- Pollakov, V. I. - Technical and economic index of the operation of relay protection units, automatic control and remote control systems, and problems of reliability, p. 8.
- Mukharashin, I. Kh. - Results of studies in the field of the current null of arc quenchers with longitudinal air blast, p. 12.
- Phinal', I. U. S. - Characteristics of initial partial discharges in oil-saturated condenser pipe insulation subject to a.c. potentials, p. 18.
- Volkov, I. V., Pongegov, I. V. - Optimal processes for charging capacitive storage units, p. 25.
- Smirnov, I. U. V. - Relationships between currents and voltages in a three-phase bridge rectifier network, p. 29.
- Gavrilov, L. P. - Determination of instantaneous current and voltage values in nonlinear electrical networks, p. 35.
- Bladyko, V. M., Il'zumi, T. T. - Calculation of transients in electrical networks with steel using directed graphs, p. 41.
- Gliko, V. M. - Efficiency of modulator-type frequency converters, p. 46.
- Kenovalev, V. I. - Evaluation of thermodynamic ideality of the cycles of thermal power systems, p. 51.
- Samolovich, G. S., Kovalenko, V. I., Ruben, F. - Experimental study of dynamic stresses in the blades of a turbine stage with partial steam inlet, p. 57.
- Kogan, P. A. - Development and study of new small slot-type gas-jet ejectors, p. 64.
- Evenko, V. I., Sochenov, V. N. - Methods for evaluating the efficiency of heat exchangers and heat exchange surface, p. 71.
- Kilichnikov, A. D., and others - Heat engineering techniques in a highly efficient technique for obtaining molten cement clinker, p. 76.
- Pogodin, V. K. - Effect of an electromagnetic field on an incrustation formation process, p. 82.
- Bugdanovitch, T. A. - Multiplicity of foam formation during the motion of a chemical foam in hose lines and steel pipes, p. 88.
- Sergutin, V. E. - Kinetic energy of free currents with given forms of beds and known velocity structure, p. 95.
- Samorukov, I. S. - Study of a model of a Francis-type turbine with a two-stage rotor, p. 104.
- Kulotani, L. T. - Evaluation of the efficiency of the utilization of fuel and energy resources, p. 109.
- Concerning an article by V. V. Dolotov and others "Economic consideration of qualitative changes in the establishment of the price of power transformers," p. 114.
- Bukhtolarov, V. F. - Sensitivity of a transistorized high-speed short-circuit-to-ground protection system in 6 kv. networks in open-pit mines, p. 117.
- Kulaylo, V. K. - Combined trigger and rectifier circuit, p. 120.
- Kon, L. I., Semikh, V. V. - Characteristics and area of application of a nonlinear semiproportional regulator with variable structure, p. 122.
- SVETOTEKHNIKA [LIGHTING ENGINEERING].** Organ of Ministerstvo elektrotekhnicheskoi promyshlennosti SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva on elektrotekhnicheskoi promyshlennosti [Ministry of the Electrical Engineering Industry of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol. 13, no. 5, May 1967.
- Table of contents translated.
- Boos, V. G., Vesel'nikskii, I. M. - Technical and economic determination of effective power ratings for fluorescent lamps, p. 1.
- Skriabin, A. E., Gishenkov, O. P. - Effect of vacuum annealing on the light emission of the luminescent layer of fluorescent lamps, p. 7.
- Reshenov, S. P. - Effect of phase shift between heating and discharge currents on the thermal operation of an electrode, p. 10.
- Epaneshnikov, M. M., Obrosova, N. A. - Determination of brightness of adaptation in the calculation of the discomfort index of lighting systems, p. 16.
- Tienbach, V. V., Glebov, B. N. - Lighting of a strip mine using inductor-type light fixtures with DKST-20000 lamps, p. 18.
- Tol'bi, R. L., Voronina, S. V. - Achromatic interval of flashing and constant light sources, p. 22.
- Chernyshev, N. V. - Calculation of a light distributing sealed beam source with a cupola-type lens, p. 21.
- Rychkov, V. I. - Determination of light flux by using light power curves with, p. 29.
- Svatova, L. E., Epshteyn, M. I. - Letter to the editor, p. 20.
- Through the pages of foreign magazines, p. 30.
- Chilikin, M. G. - Start regulating apparatus for high-pressure mercury lamps designed to operate under tropical conditions, p. 31.
- I. INDUSTRIAL TRADES**
- BUMAZHNAIA PROMYSHLENNOST' [PAPER INDUSTRY].** Organ of Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, dovozobrabatvayushchei promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i dovozobrabatvayushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, no. 2, Feb. 1967.
- Table of contents translated.
- Gurevich, S. D. - Economic reform in the paper industry, p. 1.
- Rosenberger, N. A. - Mechanism of the inhibition of sulfite pulping, p. 3.
- Tol'skii, G. A., Kradt, G. E. - Effect of the moisture of elementary layers on the interlayer strength of paperboard, p. 6.
- Shamson, A. S., Dudik, V. F. - Automatic control of the weight of 1 m² of sheet on the wet part of the machine, p. 10.
- Pakulin, V. A. - Device for the determination of the moisture of woodpulp in the technological line, p. 12.
- Petrov, A. P., Sokolov, A. G. - Improvement of the method for the production of rosin size, p. 15.
- Gromov, V. S., Andabarskii, S. I. - Effect of organic acids on the cooking of sulfite pulp, p. 10.
- Solov'ev, I. A., Seliveistov, V. A. - Decrease of chemical losses of fibers during the refining of viscose cellulose, p. 18.
- Sidorenko, L. R., Malukova, N. P. - Determination of resin content in white water, p. 20.
- Smazin, A. V. - Effective installation, p. 21.
- Patsul, G. P. - Electric driving of a paper making machine with double-feed engines, p. 22.
- Ellashberg, M. G. - Cooking of sulfite pulp with liquor containing an ammonium base, p. 24.
- Sykol, V. P., Kalashnikov, V. V. - All-Union state standards for viscose cellulose, p. 25.
- Petrone, M. A. - The problem of barking should be solved separately in every individual case, p. 26.
- Anniversaries of our scientists, p. 27.
- Volkov, V. O. - Use of hardwood incenses, p. 28.
- No. 4, Apr. 1967.**
- Table of contents translated.
- Chislakov, N. N. - Achievements of paper manufacturers in honor of the October Revolution, p. 1.
- Shevchenko, M. F., Galiakina, K. A. - First Soviet achievement in the manufacture of papermaking machinery, p. 4.
- Shmyrkov, D. G. - Trolls paper manufacturers prepare for the anniversary, p. 7.
- Skevninukov, V. - Central Institute for paper research, p. 8.
- Dobrovolskii, P. P. - Extend the service life of the quartz-cement rolls of pulp grinders, p. 10.
- Lerman, S. I., Zosim, Z. L. - Paper-forming properties of acrylic fibers, p. 12.
- Nikol'skii, N. G. - Press section of the papermaking machinery of a new design, p. 11.
- Tiupkin, V. R. - Contingency for the thickening of lime slurry, p. 16.
- Shkharin, S. A. - Effect of individual factors on the properties of paper during the flow and drying of the stock, p. 17.
- Tol'bi, A. I., Makshimov, V. F., Petronio, M. A. - Adjusting the gas-purifying unit of the lime-regenerating furnace, p. 19.
- Putnikova, N. V., Mikhilina, A. D. - Several practical suggestions on the production of viscose cellulose, p. 21.
- Bogomolov, B. D., and others - Lignin as a rubber fortifier, p. 22.
- Sazonko, B. G. - Mechanization of the loading of chips from the bin into the boiler, p. 23.
- Shalov, P. S. - Transfer of the enterprises of "Sevzaphumpon" to a new planning and economic incentive system, p. 24.
- Gorodetskii, S. N. - Develop the production of high-grade paper products, p. 25.
- *DEREVOBRADATVAYUSHCHAYA PROMYSHLENNOST' [WOODWORKING INDUSTRY].** Issued by Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, dovozobrabatvayushchei promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i dovozobrabatvayushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 10, no. 4, Apr. 1967.
- Table of contents translated.
- Shvartsman, G. M. - Diminishing the disparity in thickness of particle board as a most important task of industry, p. 1.
- Demidov, I. U. M., Popova, G. A. - Use of waste chips in the manufacture of thin-layer particle boards, p. 4.
- Korluk, G. K. - Apparatus for controlling the length and width of panel parts, p. 6.
- D'akov, K. F. - Effect of high thermal treatment on the strength of birch and larchwood, p. 9.
- Kukhlin, L. N., Samodurov, I. S. - Forces of the swelling of wood in contour pressing, p. 11.
- Zavolskikh, G. I. - Cutting strength of a disk-type chopping machine, p. 12.
- Brinkov, V. A., Mol'nik, V. M. - Durability of the glued joints of wood produced by heat in a high-frequency electric field, p. 14.
- Naumenko, Z. M. - Resources of birch raw material for the plywood industry, p. 15.
- Silikhina, D. E. - Labor productivity in five-day workweek, p. 17.
- Pedurov, A. A. - Woodworking industry in Estonia during the years of the Soviet regime, p. 18.
- Plenum of the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry, p. 21.
- Rogov, K. A., Pukhalo, E. N. - Reconstruction and overall mechanization of raw material delivery, p. 22.
- Floshin, A. E., Smirnova, N. B. - Finishing furniture parts with the PE-236N varnish, p. 24.
- Kvedavietus, A. I. A. - We are introducing larch for furniture parts, p. 26.
- Ivakinov, M. A. - Use of polyester varnishes, p. 26.
- Pastkevicius, J. - Controlling desk with buttons of contactless action, p. 27.
- Karpovich, V. S. - Two machines designed by our efficiency promoters, p. 28.
- Ganchev, I. A. - Housing construction enterprises of the firm "Vet," p. 29.
- KHARCHOVA PROMYSLOVIST' [FOOD INDUSTRY].** Issued by Institut tekhnicheskoi informatsii Drazhnoho komiteta Rady Ministriv URSS po koordinatsii naukovodolidskikh robot i Ukrainake naukovotekhnicheskoye kharchovoye promyslovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of the Food Industry]. Kiev, no. 2(32), Mar.-Apr. 1967.
- Table of contents translated.
- Trolan, O. I. - Work results of enterprises. Branch problems, p. 1.
- Vol'vyk, M. D. - Method for the regulation of champagne wine expenditure in the production line, p. 5.
- Minkov, B. A., Zil'berberg, I. A. M., Tul'chyn'skii, I. U. V. - Determination of the real values of operational parameters in the refrigerating machinery, p. 8.
- Lutsyk, V. I., Kozol', N. I., Honcharenko, B. M. - Automatic blocking of the feed of products and wrapping materials into wrapping machines, p. 9.
- Volkman, V. A., Volkman, A. A. - Line of processing yeast sediments in primary production wineries, p. 15.

P. I. S. U., V. L., Svyatik, V. P. - Precision in the production of wooden and plastic lasts. p. 178
 P. I. S. U. and others - Designing of the toe part of lasts and metallic toes for special work shoes. p. 183
 P. I. S. U., V. O. - Results of the transfer of the shoe industry enterprises of the Ukrainian S.S.R. to a shift work system and new wage system. p. 195
 P. I. S. U., V. L., Svyatik, V. P., Peglovskii, V. L. - Effective preciseness in the manufacture of shoes. p. 202

IFHKA PROMYSLOVOST' [LIGHT INDUSTRY]. Issued by the State Technical Informational Derzhavnoho komitetu RSR Ministerstva URSS po koordinatsii nauko-doslid-rakh i nauko-tekhnicheskoyi informatsii (Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of Light Industry) Kiev, vol. 8, no. 2(32), Mir, Apr. 1967

Table of contents translated:

Adamova, N. A., and others - Improving the planning of the introduction of new machinery. p. 1
 Stetsiarov, O. I., Iakovenko, K. A. - Effective placement of new factories of the light industry in the five-year plan. p. 3
 Iyvn'skiy, T. S. P. - Some theoretical foundations for the production process of high-bulk twisted yarn. p. 6
 Arbatov, A. A. - Characteristics of the structure of interlaced-leave warp-pile fabrics. p. 10
 Boruta, L. H. - Calculation of the technological fixing of cotton machines in the production of knit fabrics for underwear and its characteristics. p. 13
 Vasyshchyna, N. P., Danych, M. M., Kushnir, O. H. - Effect of chemical treatment on some wearing properties of knit fabrics. p. 17
 Srdub, V. P. - Choice of chain-type variable-ratio transformers for the drive of machines of the light industry. p. 19
 Dand'skiy, V. H., Rafibekov, F. M. - Trend of the shoe fashions for 1968. p. 21
 Fakel'era, I. A. L. - New cork spigot with the drive for a worm apparatus. p. 24
 Shukola, I. U. A., Dykov, A. M. - Automation of the control and regulation of the concentration and level of glycerol solution in the production of artificial polyamide leather. p. 25
 Kotov, V. I., Moroz, I. I. - Criteria of clay moldability and the calculation of the dies of bell presses for the production of ceramic articles. p. 27
 Likhon, I. A. - Standards of textile fabrics and ready-made clothing. p. 29
 Khvost'ka, I. K. - Conference of the workers of shoe manufacturing enterprises on the material and technological supply and marketing. p. 32
 Kolan, O. H. - Calculation of the diameter of capron-core cotton yarn. p. 33
 Shelnberg, I. U. A., Nazarova, N. A. - Unit for the steam and heat treatment of cotton knit underwear. p. 34
 Vasutyn's'ka, A. V. - Auxiliary yarn control on the KT-1 machine. p. 37
 Bokus, A. S., Vener'yuk, I. A. - Device for cutting skeins of elastic band. p. 37
 Vashchyn's'ka, R. N., Dobrovols'ka, L. S. - Use of fluffy high-bulk yarn for the sewing of synthetic-fiber knit underwear. p. 37
 Holotko, A. L. - Improvement of the equipment of the Kharkov Association of Shoe Manufacturing Enterprises No. 4. p. 39
 Propositions of the efficiency promoters of the "Sport" Association of Shoe Manufacturing Enterprises in Kiev. p. 41
 Propositions of the efficiency promoters of the Odessa Association of Shoe Manufacturing Enterprises. p. 42
 Repairing aluminum lasts of the AVG-12 pressing machine. p. 44
 Babychenko, O. S. - New technology for the processing of bristles. p. 45
 Ias' D. S., and others - Ceramic antifriction materials and their use in light industry. p. 47
 Holovina, V. D. - Production of a new assortment of nonwoven textile materials and their introduction into industry. p. 53
 Roslyk, H. I. - 7th Methodological Seminar-Conference of the Workers of the Shoe Industry on the Improvement of Models and the Preparation of Assortments for 1968. p. 55
 Nemtylova, L. M. - World production and consumption of synthetic fibers. p. 56
 Ponomareva, A. V., Humenna, D. - Recent developments in the leather technology abroad. p. 58
 Patents. p. 61

Table of contents translated.
 Economic reform in action. p. 1

Lahotov, D. P. - Transferring the enterprises of the lumbering, woodpulp and paper, and woodworking industry of the Ukraine to the new planning and material incentive conditions of work. p. 7
 Lebedev, P. O. - Preparing the transfer of the enterprises of the "Ukrapirom" Trust to the new planning and material incentive conditions. p. 10
 Namanukhin, V. M. - Work results of the Malin Pivnyak Factor, under new planning and material incentive conditions. p. 11
 Poliakov, M. M. - Work of the Khiv Technical Paper Factory under new planning and material incentive conditions. p. 13
 Sheherbanovych, I. P. - Work results of the Chernyashan Furniture Combine under new planning and material incentive conditions. p. 15
 Zharskiy, A. H. - Group means of deduction of labor profit for the transfer of furniture enterprises to new working conditions. p. 17
 Iyschenko, O. P., Chmizha, A. V. - Group means for the transfer of the woodpulp and paper industry to new working conditions. p. 20
 Korolov, P. F. - Extending business accounting relations in forest management. p. 23
 Kononchuk, H. M. - Capital yield as a factor for the improvement of the use of fixed working capital. p. 26
 Uvanov, V. H. - Scientific organization of labor in enterprises to branches. p. 30
 Mill'man, B. I. U. - Working out the organization of labor at furniture enterprises in the Ukraine. p. 34
 Sivaschenko, L. I. - Plenum of the Scientific and Technological Work of the Ministry of the Lumbering, Woodpulp and Paper, and Woodworking Industry of the Ukraine. p. 36

MIASNAIA INDUSTRIYA SSSR [MEAT INDUSTRY OF THE U.S.S.R.]. Organ of Minkhizsyatmash i moshchnot promyshlennosti SSSR and Tsentral'noye nauchno-nauchno-tekhnicheskoye obshchestvo planirovaniya myshlennosti [Ministry for the Meat and Poultry Industry of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 38, no. 4, Apr. 1967.

Table of contents translated:

Alekshina, M. - Preparations for the transfer of workers and employees to a 5-day work week. p. 1
 Iakovlev, A., Lobanova, A. - Meat industry of White Russia honors the anniversary of Soviet rule. p. 3
 Kats, L., Alekseev, N., Mampol', L. - Field conditions during the Great Patriotic War. p. 4
 Goncharov, N., Kollubakina, L., Bul'shakov, G. - Modernizing the type 157 continuous-action vacuum stuffer. p. 5
 Peleov, A., Gavrilova, V. - Unit for heat treatment of sausages; survey. p. 8
 Fomin, M. - Safety switch for electric saws. p. 10
 Vasin, A. - Automated heat treatment of poultry. p. 11
 Fishkin, Z. - Improving the planning of work in the cold storage warehouses of meat combines. p. 14
 Gadluchenko, T. - First results of scientific organization of labor. p. 16
 Saltanov, N. - Direct contact and the transportation problem. p. 17
 Fasolla, G., Smirnov, I. - Improved design of the pushing-rin of a conveyor. p. 19
 Il'inskiy, D., Golman, D. - Use of circulatory ammonia cooling systems in the meat combines of the Ukraine. p. 20
 Loschchinskiy, I. - Elevator with automatic loading and unloading. p. 22
 Danilov, I. U. - Effectiveness of the reuse of waste water. p. 22
 Sviridov, A. - Automated cableway for the transportation of stomach contents. p. 24
 Sokolov, V., Torostan, D. - Determination of the operational parameters of separators in the purification of meat broth. p. 26
 Gorbatov, V. - 12th European Congress of the Workers of Scientific Research Institutes of the Meat Industry. p. 28
 Gaevoy, E. - Basic directions of the development of the scientific aspects of the poultry processing industry. p. 31
 Mityuk, V., and others. - Effect of proteolytic microbial enzymes on meat. p. 34
 Ezhkova, L. - Effect of vegetable foods on the chemical and physicochemical indicators of pork. p. 38
 Conference devoted to the economic reform. p. 40
 Andreev, V. - They have exchanged their experience in the scientific organization of labor in the industry. p. 41
 Universal decimal classification. p. 42

MODEL SEZONA [SEASON'S FASHIONS]. Issued by Vsesoyuznyy institut assortimentov izdelii legkol'noy promyshlennosti i kul'tury odevzhiy [All-Union Institute of the Products of Light Industry and the Style of Clothing]. Moscow, no. 1, (Spring-Summer), 1967.

- Akhmetiev, M. A. - Triotskii, I. V. - Use of optimizing control techniques in balancing a.c. bridge circuits. p. 100.
- Rabinovich, S. G. - Stability conditions of photogalvanometric self-compensating instruments and devices. p. 102.
- Anisimov, A. S. - Eight All-Union Conference on Automatic Control and Electric Measurements. p. 105.
- Epshteyn, S. L. - Concerning E. I. Arsh and L. A. Krasin's article "Methods for automating the measurement of the frequency characteristics of dielectrics." p. 111.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and Tsentral'nyi komitet Prirodoisluza i rabotnikov svyazi, i abochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communications, Automotive Transport, and Highway Workers]. Moscow, vol. 45, no. 4, Apr. 1967.

- Table of contents translated:
- Kushchinskii, I. - Use motor vehicles more efficiently in harvesting. p. 1.
- Develop the preparation for the 50th anniversary of Soviet power widely. p. 3.
- Chukovichi, V. - Automotive transportation workers of White Russia are preparing for the 50th anniversary of the Great October. p. 4.
- Gukhlov, S. - Personal plan is a basis for the pledge of an automotive transportation unit. p. 5.
- Our best men. p. 6.
- Bliznik, M., Sigalov, I. - Chief of a motor truck fleet. p. 8.
- Ivanski, V., Fedorov, E. - Potentialities for an increase in labor productivity. p. 9.
- Efimov, N. - Characteristics of methods instruction for the transfer of automotive transportation enterprises to the new planning system. p. 10.
- Billina, N. - Order of the formation of funds and their utilization. p. 13.
- Belukha, N. - Improve the accounting in automotive transportation. p. 17.
- What kind of advertising should be in automotive transportation? p. 19.
- Krupatikh, L. - Motor bus terminal in Ufa. p. 21.
- Vasilevich, V. - Communication means in an automotive transportation unit. p. 23.
- Podzyak, M., Tarashevskii, A. - Switch the transportation of cattle to motor vehicles. p. 24.
- Pogorelov, Z. - Milk transportation in diesel-powered trucks. p. 26.
- Zarubin, A. - Service life of an engine and its utilization. p. 27.
- Kudachov, N. - Reorganization of the production and maintenance base of an automotive transportation unit. p. 30.
- Losavio, G. - Fluids for easing the start of diesel engines. p. 32.
- Kartsev, V. - Stand for testing pneumatic equipment. p. 34.
- Sazonov, I. U. - Cost of the maintenance of taxicabs. p. 36.
- Nazarov, V. - Microbuild-up. p. 39.
- Zhirnov, A., Ufaev, V. - Mechanized area for assembling and painting units. p. 40.
- Karlov, V. - Using natural gas in repairing batteries. p. 42.
- Sokolov, A., and others - Flaw detection of tires in repairing. p. 43.
- Mitofanov, V. - The ZIL-131 motor truck. p. 45.
- Sokolov, I. U., Khorin, A. - Tractor train for transportation of bitumen. p. 48.
- Prudnichkov, A. - Self-loading cement trucks. p. 49.
- Kovalev, V. - Rope ties for fixing springs. p. 50.
- Finkel'shtein, I. - Transistor ignition. p. 51.
- Chistilin, V. - From programmed questioning to programmed training. p. 52.
- Kokovikhin, N. - Why is the bathing in an evening school worse than in a day school? p. 53.
- Kralnov, A. - Seminar of teachers. p. 54.
- Butyrin, M., Shumov, A. - Organizing a stand for headlight regulation. p. 55.
- Pustovalov, B. - Attachment for grinding compressor crankshaft. p. 57.
- Honing head. p. 58.
- Kobzar', E. - Changing the design of the PT-46M conveyor. p. 58.
- Akopian, A. - Repairing door handles. p. 60.
- Postnikov, A. - Reconditioning cylinders. p. 60.
- Dobushin, V. - Literature on overall development of transportation. p. 61.
- Karpekin, P. - New equipment for maintenance and repair. p. 62.

GIORODINAMIKA BOL'SHIKH SKOROSTEI [HYDRODYNAMICS OF HIGH VELOCITIES]. Issued by Akademiya nauk Ukrain'skoi SSR [Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 3, 1967.

- Table of contents translated:
- Panchenkov, A. N. - Carrying surface in a transonic gas flow. p. 7.

- Panchenkov, A. N. - Nonlinear theory of the carrying surface of arbitrary aspect ratio. p. 21.
- Ivchenko, V. M. - Singular integrals and equations in the problems of hydrodynamics. p. 31.
- Kozlov, L. P., Pikin, I. D. - Using computers for integrating Falkner-Skan equations in the presence of normal and tangential velocity components on the surface of a body. p. 38.
- Pisichenko, I. A., Iakhno, O. M. - Equations of the motion of non-Newtonian fluids in the initial section of a cylindrical pipe. p. 46.
- Bulvol, V. N., Guz', A. N. - Supersonic compressible fluid flow about two cylindrical shells. p. 54.
- Dabitskii, A. F. - Hydrodynamic equations for vapor-gas-water mixtures. p. 63.
- Gubili, V. I. - Supercavitating cross sections with optimum characteristics. p. 72.
- Zinichuk, P. I. - Motion of a system of heated airfoils near a solid screen with optimum distribution of circulation. p. 77.
- Chupakina, D. D., Roman, V. M. - Using electronic computers in calculating supercavitating blades. p. 84.
- Begunova, L. N. - Calculating one-dimensional singular integrals in the problems of hydrodynamics. p. 90.
- Iankovskii, L. I. - Investigating unsteady motion of a ship on a limited depth. p. 97.
- Avramenko, P. G. - Apparent mass of a wedge vibrating under limited depth conditions. p. 107.
- Babenko, V. V. - Methods for measuring the velocity field in the boundary layer of an aqueous medium. p. 110.
- Bagdanov, O. K., Rudomanov, V. I. - Selecting optimum thrust-weight ratio of vertical take-off and landing airplanes by lifting engines. p. 114.

KEMEROVO, MEZHOTRASLEVOI NAUCHNO-ISSLEDOVATELSKII INSTITUT PO AVTOMATIZATSII I MEKHANIZATSII MASHINOSTROENIYA. Trudy [INTERBRANCH SCIENTIFIC RESEARCH, DESIGN AND TECHNOLOGICAL INSTITUTE FOR AUTOMATION AND MECHANIZATION OF MACHINERY MANUFACTURE. Transactions]. No. 1, 1963.

- Table of contents translated:
- Milov, S. - Refining the AlSiU aluminum-magnesium alloy in vacuum. p. 5.
- Milo, S. I. - Gravity die casting of parts made of the AlSiU high-strength aluminum-magnesium alloy. p. 14.
- Balashov, V., and others. - Mechanization in Kuznetsk Basin foundries. p. 28.
- Duchin, R. - New technology for producing castings of stainless steel fittings using overall mechanization of industrial processes. p. 43.
- Kudakov, A., Syat, K. - Manufacturing foundry equipment of plastics on an epoxy-resin base. p. 54.
- Kats, A. - Introducing the gas cyaniding process in Kuznetsk Basin plants. p. 69.
- Gordin, O. - Certain investigation methods on the grain problem. p. 83.
- D'jakov, V. - Improving the production of chutes at "Anzher'skii" Machine Manufacturing Plant. p. 95.
- Maigules, A. - Continuous flow production of home refrigerators. p. 107.
- Maigules, A. - Continuous flow mechanized line for painting and assembling push-button KUV-type control panels. p. 132.
- Sivitskii, E., Gusev, V. - Increasing the life of dies for forging and sheet-metal work by electroarc hard facing methods at "Anzher'skii" and Kuznetskii" Machine Manufacturing Plants. p. 138.
- Maigules, A. - New block of principal shops at the Kemerovo Construction Equipment Manufacturing Plant. p. 149.
- Gurko, L., and others. - Precision casting shop at "Kuznetskii" Machinery Manufacturing Plant. p. 154.
- Shkolenko, A. - Specialization in the repair of mining and construction equipment in Kuznetsk Basin. p. 163.
- Kais, A., Rozin, M. - Present state and principal direction in the expansion of forging in West Siberian Economic Regions. p. 173.

KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet po mashinostroeniui pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 9, no. 3, Mar. 1967.

- Table of contents translated:
- Komarova, L. T. - Selection and economic justification of variants of mechanization and automatic control in a press forge shop. p. 1.
- Pilipenko, A. G. - Nonuniformity of deformation during upsetting. p. 6.
- Lashkov, V. B., Tarnovskii, I. I., Krasnikov, N. E. - Characteristics of the hot deformation of titanium and its alloys. p. 9.

- Sokolov, L. N., and others - Manufacture of hollow forgings from riserless ingots of new configuration. p. 12.
- Anikeev, A. G., Bobkov, A. A. - Die forging of blanks of wristwatch case frames. p. 15.
- Rubenkova, L. A., Vozlinskii, A. G., Driashin, I. B. - Stressed and strained state in drawing intricately shaped parts. p. 18.
- Khuzura, S. M., and others - Bandaging hard alloy blanking dies. p. 22.
- Gelovskii, V. I., and others - Experimental determination of forces during the cold forging of nuts on the A113 automatic machine. p. 26.
- Lokanov, L. A., Riabov, V. P. - Using magnetic logical elements in an electrical circuit of a 200 T hydraulic press. p. 28.
- Mechnikov, A. K., Mironovskii, I. U., Novikov, I. I. - Measuring vibrations in automatic forging presses and measures to reduce them. p. 30.
- Degtev, G. F., Mal'nev, O. R., Pivovarov, V. V. - Investigating computers made of pyroceram tubes and heat-resistant concrete. p. 34.
- Trachenko, G. G., and others - Improving heat transfer in compression-type furnaces. p. 38.
- Vlasov, R. P., Romashkin, E. K. - Forging of a hinge cam. p. 41.
- Gokhtel'd, L. I. - Sectional die for the K196 press. p. 42.
- Kuznetsov, A. I. - Universal dies. p. 42.
- Podrabinuk, I. M. - Increasing the output of press forging machines. p. 44.
- Leiner, P. S., Likhitskii, B. N., Ustin, I. G. - Conference on "Progressive technology of sheet metal drawing." p. 48.

LENINGRAD, MEKHANICHESKII INSTITUT. Sbornik trudy [INSTITUTE OF MECHANICS. Papers]. No. 15, 1960.

- Table of contents translated:
- Klimov, I. M. - Calculating gear transmission having a drop of hardness in the working surfaces of teeth. p. 5.
- Lipovisev, V. D. - Determining permissible loadings for bevel gears with circular teeth. p. 15.
- Klimov, I. M. - Experimental investigation of the load capacity of spiral gears with involute engagement. p. 48.
- Bull', V. D. - Using hydraulic drive in closed testing of gears. p. 57.
- Makarov, G. V., Tomel'skii, I. Z. - Load capacity of diaphragm clutches. p. 67.
- Pilipenko, M. N. - Increasing the wear resistance of free-wheeling mechanisms and designing them with hollow rollers and wedges. p. 77.

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 4, Apr. 1967.

- Table of contents translated:
- Sofonov, G. P. - Let us meet the 50th anniversary of the October Revolution in a worthy manner. p. 1.
- Kurtyshin, I. S. - Working one year under new conditions. p. 3.
- Vladykova, M. S. - Nine months under new conditions. p. 5.
- Chudnovskii, A. R. - Fitting devices made of plastic foams. p. 6.
- Savvin, N. M. - Straightening crankshaft. p. 7.
- Goncharov, A. B., Korzh, G. I. - Device for measuring spaces between centers. p. 8.
- Glasov, G. A. - Multiple production is the most important component of the scientific organization of labor. p. 9.
- Something about die... p. 10.
- Skvabina, V. V. - Ship. p. 12.
- Lukashenko, I. K. - Working area. p. 13.
- Mikhailov, G. G. - Union of labor in a Baranenko, G. A. - Insulated laminated suspension. p. 17.
- Poz, G. Z. - Mechanized storage of dies. p. 18.
- Zhabin, A. I., and others - Mechanization of lapping. p. 20.
- Zhuravlev, P. F. - Electrolyte removal of scale and rust from metals. p. 21.
- Kemel', A. K. - Triboelectric testing of parts. p. 22.
- This can be used in your enterprise. p. 24.
- Konstantinov, O. I. A. - Adapters and adjusters for universal magnetic devices. p. 26.
- Levin, S. Z., and others - Conservation of parts for a long storage period. p. 20.
- Mamonov, N. G. - Cutting glass reinforced textile with diamond wheels. p. 30.
- Egorov, N. D. - Unit for cutting-off chamfers. p. 31.
- Zakharenko, I. P., and others - Lapping steel tools with synthetic diamond wheels. p. 32.
- Avakov, A. A., Ivchenko, N. A. - Bimetallic cutter for measuring the temperature of cutting. p. 33.
- Ulanovskii, O. O. - Universal drawing device. p. 34.
- Klokov, M. M. - Unit for nonpneumatic paint spraying. p. 35.

- Blurganovskaya, G. V., Kishin, B. I., Orlov, N. F. - Effect of gamma-neutron radiation on some physical and chemical properties of glasses. p. 34
- Liubovina, L. A. - Mechanical strength of optical contact during detachment tests. p. 41
- Suslov, A. V. - Effective use of crystal geometry for the cutting of polarization prisms from Iceland spar. p. 41
- Ievushkin, M. E. - Transistor amplifier of modulated signals of the photometer. p. 48
- Belozorova, V. P. - Absorption spectra of some atmospheric gases in the vacuum ultra-violet region. p. 50
- Slozharev, A. I. - Prisms from Iceland spar. p. 58
- Basinaia, L. I., Semenov, E. P. - Methodology of the study of immersion cathode lenses. p. 58
- Verisnei, V. N., Shchetnev, I. U. F. - Objective for the electron microscope with an intensified image contrast. p. 59
- Vesolod Borisovich Veinberg, on his 60th birthday. p. 60
- *PRIKLADNAIA MEKHANIKA [APPLIED MECHANICS]**
Issued by Otdeleniye matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainskoi SSR [Department of Mathematics, Mechanics, and Cybernetics of the Academy of Sciences of the Ukrainian S. S. R.], Kiev, vol. 3, no. 3, May 1967
- Table of contents translated
- Plavensko, G. S., Stepunov, G. V. - Experimental investigation methods of high-speed collisions of solid particles with barriers under different angles. p. 1
- Pastushkin, V. N. - Vibration of plates of nonlinearly elastic materials in passing through resonance. p. 6
- Dorbenisov, D. A. - Vibrations of a cylindrical shell with an inside gas flow. p. 14
- Golovchenko, V. T. - Solution of boundary problems of steady vibrations for a finite multiconnected area. p. 20
- Ignatov, I. V., Kuz'ma, V. M. - Natural frequencies of longitudinal vibrations of rods with random parameters. p. 29
- Vavuk, A. P. - Axisymmetrical loss of stability of cylindrical shells with a filler. p. 33
- Gumenyuk, V. S., Kravchuk, V. S., Lushchik, V. V. - Experimental determination of ultimate forces of a cylindrical shell made of glass-reinforced plastics. p. 42
- Stets'kivskaya, A. I., Kolgadin, V. A. - Elastoplastic equilibrium of plates under the action of concentrated forces. p. 46
- Fel'dman, M. R. - Stability of plates of variable rigidity in and beyond elastic limits. p. 54
- Goloshkov, P. G. - Bending of a rectangular plate of variable thickness. p. 61
- Rabinovich, R. I. - Natural vibrations of circular plates with movably fastened edges at large flexures. p. 70
- Kolano, I. U. M., Pakula, I. A. - Thermal stresses in a heated strip-plate transferring heat. p. 77
- Glikina, M. S., Shmatkova, A. D. - Using the method of electric modeling in designing continuous circular ligas and beams. p. 88
- Kiselevskii, V. N., Osastuk, V. V. - Analysis of the method of testing strength. p. 96
- Maelluk, G. F. - Using the method of p-analytical functions in solving axisymmetric contact problems for the half-space. p. 100
- Aslanov, S. K. - Investigating gas-dynamic stability of the detonation wave in a gas mixture. p. 107
- Tolokonnikov, L. A., Iakovlev, S. P. - Plastic yield of billet flange in extruding a cylinder test pot. p. 116
- Ilin, R. F., Kagadil, S. V. - Nonlinear vibrations of a uniform elastic object. p. 120
- Tulov, S. F. - Bending of thick plates having the shape of a sector, circular rectangle, circle, and circular ring. p. 123
- Odintsov, A. A., Pavlovskii, M. A. - Comment on the integration of "shortened" equations of the motion of gyroscopes. p. 128
- Pochtman, I. U. M. - Electric modeling of the problems of bending and vibrations of circular, annular, and sector plates. p. 131
- Filippov, A. P., Vorob'ev, I. U. S. - Scientific technological conference on "Modern methods of designs in machinery manufacture with use of electronic computers." p. 141
- Borisenko, V. I., Voloshin, V. T. - Experimental investigation of the stability of a cylindrical shell subjected to a longitudinal impact. p. 45
- Kiseeva, G. B. - Stability of a longitudinally compressed circular cylindrical shell made of a nonlinearly elastic material. p. 53
- Popov, G. G. - Ultimate equilibrium of a spherical shell with a hole. p. 58
- Kontsarskaya, G. L. - Stability of orthotropic longitudinally corrugated shells subjected to axial compression. p. 64
- Filipenko, L. G. - Extension of Gauss theorem on arbitrary orthogonal coordinates. p. 70
- Goncharuk, I. V., Ryachev, V. L. - Rigidity of the torsion of rods having polygonal profile. p. 77
- Lisitsyn, B. M. - A method for the solution of problems in the theory of elasticity. p. 85
- Pavlovskii, M. A., Odintsov, A. A. - Effect of errors in manufacturing frames for the global suspension on the dynamic precision of a gyroscope. p. 93
- Serednitskii, L. M. - Mixing mutually soluble fluids in a porous medium. p. 103
- Goncharenko, V. M. - Using the theory of statistical hypotheses of Neumann-Pearson-Wald in some problems of theory of structures. p. 111
- Stoliarov, A. A. - A possibility for increasing the efficiency of ejectors of liquids. p. 117
- Shlenskii, V. F. - Determining mechanical characteristics of the DSP laminated plastics subjected to torsion. p. 121
- Lankovskii, M. I., Ivanchenko, I. F., Kondrat'eva, G. S. - Thermal stresses caused by anisotropic heating of a billet considering plastic deformations. p. 126
- Vasil'evskii, I. U. I. - Longitudinal impact on a semi-infinite rod through a flexible interlayer. p. 129
- Nemish, I. U. N., Treliak, V. D. - Bending of a bracket weakened by a circular hole considering moment stresses. p. 131
- Levchik, V. I. - Minimum changes in the area of a circular band in transforming it into a helical band. p. 134
- REFERATIVNYI ZHURNAL AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS, AUTOMOTIVE AND CITY TRANSPORTATION]**. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967. [This journal is also issued in parts.]
- REFERATIVNYI ZHURNAL PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS, INDUSTRIAL TRANSPORTATION]**. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, Avtorskii ukazatel' za 1966 g. [Author index for 1966] [This journal is also issued in parts.]
- REFERATIVNYI ZHURNAL TEKHNOLOGIYA MASHINOSTROENIYA [JOURNAL OF ABSTRACTS, TECHNOLOGY OF MACHINERY MANUFACTURE]**. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 4, Apr. 1967. Avtorskii ukazatel' za 1966 g. [Author index for 1966]
- REFERATIVNYI ZHURNAL TEPLOENERGETIKA [JOURNAL OF ABSTRACTS, HEAT ENGINEERING]**. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 5, May 1967.
- RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh nauchnykh zavedenii, mashinostroyeniya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Machinery Manufacture]**. Moscow, no. 1, 1967.
- Table of contents translated
- Chervinskaya, V. V. - Preparation of numerical programs and problems in the precision of graphic determination of the coordinates of reference points. p. 5
- Leepa, I. I. - Analytical calculation of the tooth profile of involute spur gears machined with a rack-shaped cutter. p. 11
- Badayev, A. M. - Elements of machine-tool engagement of bevel gears with circular teeth for M. L. Novikov's transmission. p. 17
- Kovalov, N. A., Shapochkina, L. M. - Kinematic investigation of an involute wavy gear transmission having the teeth of flexible wheel machined in an unstrained state. p. 21
- Davydov, I. Sh. - Areas of instability of periodic vibrations occurring without interrupting the contact between teeth and supports in a single stage spur gear transmission with flexible supports. p. 28
- Iudin, V. A., Vorob'ev, I. U. V. - Friction due to frictional rolling with slipping of the roller pair. p. 31
- Pelenik, D. E. - Dynamics of a flexible tappet considering the effect of variable technological loading. p. 36
- Biderman, V. L., Zhukov, A. D. - Bending of elastic rods considering deformations caused by shear and tension (compression). p. 42
- Petrovskii, Zh. L. - Compression test under two-dimensional deformation conditions. p. 46
- Karpova, M. U. - Large shifts caused by pure bending of a helical cylindrical spring. p. 49
- Grishanin, A. A. - Intensity of external critical pressure of a spherical shell. p. 52
- Peshkov, S. I. - Determining the spectral density and correlation functions by processing oscillographic data of an experiment. p. 56
- Atrapetov, E. L., Genkin, M. D. - Pillability of epicycloidal planetary reducing gear. p. 60
- Prokof'ev, V. N., Kikot', V. S. - Effect of the size of the actuating hydraulic engine on the dynamics of a hydraulic driver. p. 67
- Kulikov, G. S., Parshchik, S. A. - New laws for local and independent air conditions. p. 75
- Burumakov, I. Kh. - Calculating dry friction damper for the power transmission of a multistage motor vehicle. p. 79
- Antonov, V. A. - Evaluating energy losses in a mechanical transmission of a motor vehicle. p. 85
- Buranov, E. N. - Calculating transient processes in the thermoelectric driving system of a wheeled vehicle. p. 90
- Mikhailov, V. G. - Effect of the time lag of lateral action of a tire on the stability and steerability of a motor vehicle. p. 97
- Kopylov, N. G. - Optimum parameters for the motion law of the tray of a horizontal vibrating conveyor. p. 104
- Kinglov, M. G., Shetkov, V. P., Tenskii, O. V. - Model for investigating the effect of exhaust system on the gas exchange in a two-stroke engine. p. 109
- Beknev, V. S., Chernobrovkin, A. P. - Selecting the efficiency and the rates of pressure increase in compressors of gas-turbine units with a complex cycle. p. 112
- Rozhnitskii, G. S. - Specifying the methods for calculating processes of free exhaust of two-stroke internal combustion engines. p. 117
- Savel'eva, G. I. - Effect of annealing conditions on mechanical properties of malleable cast iron. p. 123
- Vorob'ev, M. I., Konnikov, B. A. - Overall modification of cast iron with zinc-aluminum alloys. p. 128
- Leituk, V. A. - New lubricating and cooling fluid. p. 132
- Ponomarev, L. S. - Experimental investigation of cutting forces in diagonal gear milling. p. 136
- Kudakov, V. A., Amizdzhanyan, I. U. Kh. - Analyzing conditions for the occurrence of natural relaxation vibrations (near harmonic) in the tables of gear-milling machines. p. 143
- Danilenko, B. D. - Effect of conditions of diamond constant grinding on the wear of grinding wheel and the roughness of machined surface. p. 148
- Kanetskiy, M. S. - Vibration of the tool in the process of electric pulse machining. p. 152
- Kulagin, I. U. V. - Basic conditions for the assembling of parts in automatic press fitting. p. 158
- Kuznetsov, M. M., Petrov, A. N. - Investigating the drive of the attachment for automatic machining of cones. p. 162
- Khulev, V. M. - Selecting optimum thickness of glue layer and the method of surface machining in assembling glued parts. p. 166
- Kuznetsov, B. N. - Investigating construction of devices with a hydraulic transmission mechanism. p. 171
- Aldokhin, I. I. - Analyzing conditions of operating forging equipment by attending mechanics. p. 175
- Zakoshchinskii, M. L. - Determining average specific pressure in longitudinal rolling. p. 180
- Skurikhin, M. N., Vlachkov, V. A. - Effect of some factors of the elastoplastic action of welding on the resistance of steels to fracture at low temperatures. p. 185
- Sagulevich, V. M. - Residual strains and stresses caused by welding of flat sheets of titanium-aluminum alloys. p. 190
- Zal'tsman, E. S. - Using the "reduced dimension" in calculating the cooling of casting after solidification. p. 192
- Chernogorov, P. V., Nikiforov, A. P. - Mechanism of the formation of cavity separable sand crust. p. 195
- No. 2, 1967.
- Table of contents translated:
- Ivanov, V. D. - Preliminary analysis of the structural system in the synthesis of a two-dimensional mechanism by the positions of the connecting rod. p. 5
- Dushkev, L. P., Rusikhin, V. I. - Dynamics of a centrifugal pusher. p. 8
- Paritskii, A. B. - Effect of restriction on the torsion of beams having a closed rectangular cross section and a nondeformed contour. p. 12
- Bocharova, S. A. - Stressed state of a thick-walled pipe under the action of internal pressure and longitudinal force. p. 16
- Kornilov, V. V. - Calculating coefficients of safety for the case of a simultaneous action of asymmetric cycles of bending and torsion. p. 24

- Bogoroditskiy, M., Iudin, E. A. - Taking readings of pickups on fast-rotating shafts p.18
- Freinkman, I. E. - The ZRS-1, ZRS-2 and ZMTS small dredgers. p.21
- Zelenin, A. N., Krasil'nikov, L. V. - Oblique cutting and digging of soil. p.23
- Taukelev, R. N. - Determining parameters of an excavator rotor wheel. p.25
- Golovach, I. P., Barabash, M. L., Karanchuk, V. K. - Unit for investigating forces in bucket digging of soil. p.26
- Surinovich, M. B., Galitskiy, E. I. - Electric protection on automotive machines with independent electric power plants. p.27
- Abramovich, I. I. - Modern construction gantry cranes. p.29
- Valtsou, A. A., Kovalevich, P. N. - Traction capacity of driving drums of band conveyors at low temperatures. p.31
- Akakellian, A. K. - Electrohydraulic pushers with mechanical brakes. p.33
- Nazarenko, I. P. - Wear resistance of compressed wood from abrasive medium. p.35
- Borodianskiy, L. E., Ukhimels, A. A. - Replacing OTSS 6-6-3 bronze with TSAM-9-1,5 alloy. p.37
- Fangold, B. D., Belogurov, N. I. - Improving the casting of a bucket tooth. p.37
- Parasjuk, P. F. - Increasing the durability of parts made of G13L steel. p.37
- Beilin, V. I., Zakharov, B. V. - Standardization increases the durability of cast parts of excavators. p.38
- Feminat on the problems of electric metal cutting. p.40
- New standard. p.3 of cover
- ТЕХНОЛОГИЯ И ОРГАНИЗАЦИЯ ПРОИЗВОДСТВА [TECHNOLOGY AND ORGANIZATION OF PRODUCTION].** Issued by Gosudarstvennyy planovyy komitet Soveta Ministrov Ukrainskoy SSR [State Planning Committee of the Council of Ministers of the Ukrainian S.S.R.] and others. Kiev, no 2(44), Mar.-Apr. 1967.
- Table of contents translated
- Machinery industry of the Ukrainian S.S.R. in the new five-year plan. p.1
- Goncharenko, V. K., Iagodzinskiy, A. I. - Problems of interbranch management of toilet production for the machinery industry. p.3
- Zemanek, V. L. - Specialization by branches and enterprises in the machinery industry. p.7
- Galt, L. Sh., Luchina, L. F., Kovalskiy, L. Z. - Multivariant calculations for the establishment of a production plan of an industrial enterprise. p.14
- Burda, B. P. - Increasing the changeability coefficient in machinery enterprises. p.18
- Mikhailenko, A. I. - Improving the wage scale for workers of the machinery industry. p.21
- Golovko, I. A. V. - Potentialities for accumulating capacities in the food machinery industry. p.24
- Bakul', V. N., Ginzburg, B. I. - Outlook for the development and use of synthetic diamond tools. p.26
- Dykovich, V. I., Koval'skiy, L. P. - Elements of technology and production engineering in the design and operation of presses with constant temperature in the machine-tool industry. p.29
- Mazurov, K. F. - Efficiency of the use of programmed automatic control systems in the machinery industry. p.33
- Prizenko, K. M. - Efficient methods for reducing the time for preparing tools in small lot and experimental production. p.36
- Rosenblatt, B. A. - Scientific organization of labor and production at the Lvov Motor-Tractor Plant. p.39
- Luzan, P. P., Shumikhin, V. S., Zhelezn, M. V. - Smelting synthetic cast iron in induction furnaces. p.42
- Leiner, I. U. S. - Effect of copper on the structure and mechanical properties of magnesium cast iron. p.45
- Kovalev, I. M., Gul'laev, I. G., Zilvits, A. I. - Obtaining castings of pig iron modified with antimony. p.47
- Sumtsov, V. F., and others - Improving the casting of the blades of shot-peening wheels. p.48
- Borodianskiy, L. E., Zlobinskiy, B. A., Zhitnik, A. S. - New binder for making cores in hot boxes. p.50
- Panasuk, L. S., Muzykant, A. M., Zakuta, M. B. - Increasing the precision of automatic proportioning of charge materials. p.50
- Losev, V. F., Mathurin, L. I. - Mechanized charging of cupola furnaces with 3 ton/hour capacity. p.54
- Lipuga, I. V., Kiper, I. K., Nudzenov, O. N. - Making cores on a semiautomatic line. p.55
- Gusel', A. A. - Calculating the durability of bushed roller chains. p.56
- Malkin, A. S. - Improving the running-in of parts of sliding block units of crank presses. p.59
- Andreev, G. I. A., and others - Durability of the joint of press and heat fitted parts. p.59
- Andrtonko, N. N., and others - Improving technological processes of forging. p.62
- Kvasnitsa, A. L., Taitlovskaya, M. I. - Improving technological processes of working metals by pressure. p.63
- Pelko, I. V., Lukashovich, G. I. - Obtaining grooves by cold rolling. p.65
- Prilenko, S. N., Luba, V. P. - Improving cutting conditions in machining EP375 alloy. p.66
- Bondar', M. P., Davidson, A. M. - Working rigidity of the JAG-14 grinding machine. p.68
- Ivanov, V. V., Shmatkov, E. V. - Increasing the precision of machining on a semiautomatic high-speed lathe. p.71
- Timofeev, P. V. - Selecting lubricating and cooling fluids in machining titanium alloys. p.72
- Bezrubenko, N. K., Nedelin, I. U. L. - Rolling 25Cr2GNTA alloyed steel with synthetic diamond bars. p.73
- Saunova, A. I., Kobylanskiy, P. P., Mlaskovskiy, L. M. - Corrosion resistance of chromium sediments from self-regulating tetrachromic electrolyte. p.75
- Shleiberg, B. Sh. - Improving the technology of electrolytic cadmium plating. p.77
- Mogil'chenko, V. S., Zaitsev, A. A. - Decarbonization of cast iron before enameling. p.78
- Lushchitskiy, I. U. V. - Thermal conditions of the work of pin injectors of the SMD-14 engine. p.81
- Sagarda, A. A., Sedlitz, Zh. A. - Diamond machining of seals and valves of automobile and tractor engines. p.84
- Vaschenko, K. I., Flisov, A. N., Aivodushin, V. P. - Control of thermal conditions of the performance of cylinders of the K-750 motorcycle engine. p.86
- Solovet, V. G. - The AGK-4 automatic water jet. p.88
- Shlepan, I. A. - Outlook for the development of diesel engines for vehicles. p.89
- Belitskiy, M. K. - Ceramic-metal sealing materials for gas turbines. p.91
- Gatgor'ev, A. M., and others - Load distribution in a bearing with hollow rollers. p.96
- Kazantsev, V. V., Gorskikh, A. A. - Effect of fluxes and chemical composition of the base on the quality of bimetallic articles. p.99
- Preis, G. A., Gokhman, M. B. - Effect of the humidity of air on the dimensions of parts made of compressed wood. p.101
- Rabinovich, A. N., Stogushenko, V. T. - Automatic orientation of flat parts. p.105
- Avechenko, P. A., Savoyev, V. G. - Unit for determining the logarithmic decrement of the vibration of flat parts. p.110
- Iampolskiy, L. S. - Closed numerical system of automatic control of the process of centerless grinding. p.113
- Almaev, R. A. - Measuring the speed of airflow in pneumatic conveying units. p.117
- Sivokobyl'skiy, A. I. - Branch conference on the problems of scientific organization of labor. p.119
- Dogdanovich, N. V. - State seminar on electrophysical metalworking methods. p.119
- Stokobyl'skiy, A. I. - Seminar on "Compressed wood and its use in machinery manufacture and repair." p.120
- ТРАКТОРЫ И СЕЛ'ХОЗМАШИНЫ [TRACTORS AND AGRICULTURAL MACHINERY].** Organ of Gosudarstvennyy komitet avtotraktorov i sel'skokhoz'yaistvennogo mashinostroyeniya pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.], Moscow, no. 4, Apr. 1967
- Table of contents translated
- Let us welcome the 50th anniversary of the Soviet regime with new achievements in the tractor and agricultural machinery industry. p.1
- Filimonov, A. I., Shvedskiy, A. I. - Basic indices of the operating process of the AM-61 and AM-63 diesel engines. p.4
- L'vovskiy, K. I. A. - Starting a tractor with the amplifier of the torque. p.6
- Novitskiy, I. V. - Results of the final testing of anti-chamber compression ignition engine. p.9
- Popov, D. A. - Designing cushioning systems for crawler tractors and truck tractors. p.11
- Isenovich, V. E., Kopylov, M. K., Popovskiy, A. A. - Studying the drive of the brakes of tractors. p.15
- Skundin, G. I. - Some problems of the reliability of the transmission of tractors. p.17
- Lipovetskiy, E. C., Smolnov, V. I., Gershtov, F. A. - Reliability and durability of self-propelled crawler combines. p.21
- Taranenko, V. I. - Selecting the optimal thickness of the feeding layer of a planter for mint rhizome. p.22
- Akhimov, I. U. D., Grinchuk, I. M., Nikolaev, G. S. - Electromagnetic classifier of seeds. p.23
- Dantsel', I. G. - Calculations for working parts of egg packers. p.25
- Galuzich, R. S., Ignatenko, I. U. A., Katar'yan, E. S. - Transversal resistance of tractor-mounted hay stackers and loaders. p.27
- Ustinov, A. N. - Subirrigation. p.30
- Pogodin, N. G., Pogodina, I. I. - Modernized machines for grain harvesting and cleaning. p.31
- Starodinskiy, D. Z. - Ways for reducing the power consumption by rototillers. p.32
- Semenov, I. P., Shcherbakov, I. U. A. - The KBSh-1 machine for carrot harvesting. p.34
- Gutorov, V. I., Popov, B. A. - The KS-2,1 high-speed mower. p.35
- Sakovich, R. K. - New ultrasonic units for cleaning engine parts. p.36
- Sienko, V. G., Chisova, A. V. - Economic justification of the plan of the organization of technical measures for the enterprises of the agricultural machinery industry under the new conditions of work. p.37
- Isakov, V. I., Ploskunin, G. - Ways for the development of the tool shops of machine manufacturing plants. p.39
- Rabinovich, A. Sh., Khamisov, L. D. - Increasing the durability of chisel-shaped self-whetting plowshares welded with sorbite 1. p.41
- Apazid, G. D., Bofko, A. M. - Two-color rotary-piston engine. p.42
- Pel'ov, A. V. - Analyzing the kinematic design of the planetary gearboxes of the Ford and John Deere tractors. p.44
- Rovnyi, G. A. - Agricultural drying equipment in the U.S.A. p.46
- Chaus, V. M. - In the Scientific Technological Council of the Ministry. p.48
- *VESTNIK MASHINOSTROENIYA [MACHINERY MANUFACTURE REVIEW].** Organ of Gosudarstvennyy komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 47, no. 4, Apr. 1967.
- Table of contents translated
- Shemenov, G. I. - The Great October Socialist Revolution and technological development. p.3
- Noritsyn, I. A. - Present status and future development of sheet-metal stamping. p.6
- Seisenov, S. V., Kogayev, V. P. - Determining the probability of fatigue breakdown using the method of consecutive approximations. p.11
- Konovach, L. V., Pel'ov, E. V. - Evaluating operating conditions of the loading of mechanisms of universal electric fork lift trucks. p.17
- Drazdov, I. U. N. - Determining shavings caused by the occurrence of maximum coefficients of friction. p.20
- Laptev, I. U. N. - Designing single-stage hydro-mechanical torque converters with a forced rotation of the reactor. p.21
- Boisovskiy, B. I., Ovsinnikov, B. V. - Parameters for the generalization of pressure and efficiency of centrifugal pumps. p.25
- Milcherev, V. A. - Sealing devices for superhigh hydraulic pressures. p.29
- Vitabov, R. V. - Conditions for mass continuity in belt transmissions. p.31
- Kostarev, M. V. - Force analysis of loaded expanding shears-type systems. p.34
- Peluchov, G. S., Pashko, G. A. - Correction of unfinished teeth. p.36
- Kuplev, N. N. - Using a nomogram in determining the weight of machine parts shaped like bodies of revolution. p.37
- Rodzevich, N. V. - Securing the efficiency of paired cylindrical roller bearings. p.37
- Zemakov, P. I., and others - Increasing the wear resistance of distributing gears of engines in using Novikov engagement. p.39
- Karitsyn, A. D. - Polymer materials for sliding bearings. p.40
- Rosenberg, I. U. A. - Antiseizing properties of lubricating oils and their evaluation by means of a semiball machine. p.44
- Solomentsev, I. U. M. - Automatic dimensional readjustment of machine tools. p.48
- Khlus, A. A. - Calculating errors in grinding gear wheels caused by geometrical eccentricity of the basic circumference. p.53
- Grinovskiy, E. G. - Finish machining by the diamond smoothing method. p.66
- Grechukchev, V. I. - Hydrocopying attachment for milling and grinding guides of heavy machine tools. p.57
- Bershtoin, G. D. - Purifying industrial oils. p.59
- Berezukovskiy, D. I. - Criterion for the workability of metal in forging and die forging. p.61
- Meshechin, V. T., and others - Die for qualitative cutting of merchant shapes. p.64
- Kravchenko, V. F. - Economical cutting conditions for rough gear milling. p.66
- Burmistrov, E. V., Mikhailuk, E. A. - Efficient thread cutting in heat-resistant and titanium alloys with lapa. p.68
- Lut's, G. B. - Criteria for the evaluation of performance of grinding wheels. p.71
- Melamed, G. I. - New criteria for economic efficiency of capital investments designed to increase the reliability and durability of machine-tool systems. p.75
- Erpshe, I. U. B. - Economic efficiency of automatic lines. p.80
- Ivanov, G. P., Bulkin, A. P. - Calculating the efficiency of new equipment. p.82
- Kostin, A. I. - Scientific and technological conference on the improvement of the planned preventive repair system. p.84

- Movsumzade, S.A. - Investigating lifting performance of
 extradeep flowing wells. p.35.
 Summat-Zade, A.D., Summat-Zade, I.S. - Study
 of optic activities of petroleum substances. p.36.
 Aliev, S.M., and others - Heterogeneous catalytic ac-
 tivities of orlosolepropynylphenol. p.38.
 Zelmanov, B.K., and others - Synthesis of monomers
 of ethyleneglycol of fatty and naphthalene acids. p.41.
 Baghanyan, I.L., Mkhazava, P.R. - Quick method for
 determining iron content in oil field brines. p.43.
 Abdurashitov, S.A., Tatyazade, R.T., Ilyashin, B.Ye.
 Some hydraulic indices of performance of adjuvants in
 high-pressure plunger pumps used for testing of
 Christmas trees. p.45.
 Karayev, A. - Determining excessive delivery factor
 in plunger pumps by compilation. p.48.
 Out-of-town session. p.48a.
- DURENIE [DRILLING].** Issued by Tsentrallyy nauchno-
 issledovatel'skiy institut tekhniko-ekonomicheskikh
 issledovaniy po neftegornoy, neftekhimicheskoy i gazovoy
 promyshlennosti [Central Scientific Research Institute of
 Technological-Economic Studies in the Petroleum,
 Petrochemical, and Gas Industry]. Moscow, no. 3,
 1967.
- Table of contents translated
 Frolov, E.P. - Efficient dimensions of quantum an-
 nuli collars. p.3.
 Slavoslin, V.I. - Studying effect that torsional and
 specific moments of bit have on effectiveness of
 drilling. p.5.
 Alukhov, I.A.S., and others. - Using lightweight for
 setting mixtures for sealing thick zones. p.8.
 Mekhtiev, I.Kh., and others - Experience in using
 rigid bottom hole assembly made from composite
 pipe. p.10.
 Adel, I.B., and others. - Experience in using in low
 silicic content in drilling SG-1 - Arden well. p.13.
 Shevvaldin, I.F., Lobkovskiy, M.V. - Regulating pro-
 cesses of drilling made used in drilling over fields of
 Tyumen Province. p.17.
 Pen'kov, A.I., Shneider, V.P. - Using calcium metal
 in Turkmenistan. p.20.
 Ginf, E.K., Zlotnik, L.I. - Using stabilized mud in
 drilling alternating saline and freshwaters strata. p.22.
 Agapcheyev, M.I., and others. - Using calcium chloride
 muds in cis-Caspian basin region. p.24.
 Sidorov, I.A., and others. - Determining optimum
 time of WOC in using slant-setting mixtures with
 addition of calcium chloride. p.27.
 Sidorov, I.A., Ilyusov, I.G., Shumilovskaya, A.F.,
 Polymer-cement slurries for separating gravel
 layers. p.30.
 Guseinov, S.B., Guseinov, M.A., Askarov, A.A. -
 Effect of cement slugs on resistance of casing to
 collapse. p.33.
 Peshalov, I.U.A. - Change in drilling rate during
 trip. p.36.
 Zil'berman, I.Kh. - Results of plant tests of hydraulic
 torquemeters. p.39.
- DNEPROPETROVSK. INSTITUT CHORNOI METALLURGI**
 GIL. Nauchnyy tsentr [INSTITUTE OF BLACK
 METALLURGY. Studies]. Moscow, vol.21, 1965.
- Table of contents translated:
 Chokmarov, A.P., and others. - Investigating
 electric welding machines and the conditions of
 welding continuous blanks on the 350-2 mill. p.5.
 Chokmarov, A.P., and others. - Investigating the
 quality of 35GS reinforcement steel obtained by
 continuous rolling. p.10.
 Chokmarov, A.P., and others. - Progressive
 technology of making cold-rolled wide strip
 of Kh8NiOT steel at the "Zaporozhstal" Plant. p.38.
 Pavlov, V.L. - Present state and trends in experi-
 mental mill production. p.63.
 Chokmarov, A.P., Gochko, V.P., Kutaygin, M.P.,
 Parameters of rolling processes with tension. p.71.
 Chokmarov, A.P., Toporovskiy, M.P. - Studying
 transient processes in three stands of a continuous
 mill. p.81.
 Spiridonov, N.P. - Determining the radial specific
 pressure in flat rolling on the basis of plasticity
 theory for viscous-plastic materials with the help
 of finding the stream function. p.122.
 Chokmarov, A.P., Kirichenko, A.N. - Stress
 distribution and metal pressure on rolls during
 rolling in grooves. p.137.
 Boisenko, G.P. - Loading during rolling of
 circular shapes on continuous small section mills. p.145.
 Chokmarov, A.P., Pobegailo, G.G. - Measuring
 strip tension with the aid of locking stands. p.150.
 Chokmarov, A.P., Biba, V.I. - Contact surface of
 deformation centers of diagonal rolling mills. p.169.
 Chokmarov, A.P., Biba, V.I. - Speed of deformation
 in diagonal rolling mills. p.193.
 Chokmarov, A.P., and others. - Determining torque
 during blooming mill rolling along vertical
 component of metal pressure upon rolls. p.204.

- Grudev, A. P., Poleshchuk, V. M. - Noncontact deformation of the tail end of strips during rolling on plain rolls. p. 212.
- Polegallo, G. G. - Calculating the force of advance stress application in stands in measuring rolling pressure. p. 232.
- Chekmarev, A. P., Griechko, V. P., Kuisygin, M. D. - Influence of the pull on rolling in grooves. p. 237.
- Kutsov, I. U., Shibaev, V. L., Dolinskaya, V. Z. - Rolling billets with welded joints on light-section and wire rod mills. p. 250.
- Tokarev, V. A., Pavlov, V. L. - Analyzing new methods of determining pressure during rolling on blooming mills. p. 260.
- Chekmarev, A. P., and others. - Rolling flange sections with pull. p. 287.
- Chelnobryvenko, I. U. S. - Bite of strip during its rolling in grooves. p. 299.
- Chekmarev, A. P., Karchatov, A. P. - Ductility of steel at high temperatures. p. 306.
- Moleshko, V. I., Karchatov, A. P. - Influence of strain hardening and temperature on mechanical properties of Kh18NiOT steel. p. 310.
- Kachalov, A. P. - Resistance to deformation of Kh52-18 and steel at high temperatures and high rates of deformation. p. 314.
- Teitelov, V. A., Polatovskii, B. S., Pavlovich, I. U. V. - Geometric parameters of deformation centers in beam grooves. p. 318.
- Polegallo, G. G. - Rolling in preliminary squeezed rolls. p. 332.
- Pavlov, V. L., Polegallo, G. G. - Manufacture of rolls on continuous mills, open to discussion. p. 337.
- Chekmarev, A. P., Kilmenko, V. M., Chumanov, I. U. M. - Selecting the optimum angle of cutter dressing in cutting billets for rolling mills. p. 342.
- Kutsov, I. U. G. - Distribution of chemical elements in weld-metal zone during butt welding of blanks. p. 350.
- Tarin, I. U. N., Snagovskii, V. M. - Influence of chromium on the structure of roll cast iron. p. 357.
- Gainsberg, S. D., and others. - The IPS equipment for measuring speed changes in the rotation of rolling mill motors. p. 363.
- Kukushkina, O. N. - Tension in power loops. p. 368.
- Lebedev, V. M. - Analyzing the design of two-drum-type flying shears. p. 373.
- Skitchko, P. I. A., and others. - Experimental testing of the N150 slabbing mill of the N'ich Metallurgical Plant in Zhdanov. p. 387.
- *FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol. 23, no. 3, Mar. 1987.
- Table of contents translated:
- Smilnov, A. A. - Possibility of making use of channeling, shadow, and other effects connected with the passage of particles through single crystals for the study of alloys. p. 388.
- Gal'ko, I. N. - Ultrasonic wave absorption in superconductors taking into account the overlapping of energy bands. p. 391.
- Vu Dinh Cu - Anisotropy of the $\Delta\mu$ -effect in ferromagnetic metals and alloys during the para-process. p. 400.
- Avramov, I. U. S., Gvozdev, A. G. - Calculating the surface energy of metals with a body-centered cubic lattice. p. 405.
- Mitsek, A. I. - Spin wave theory in Heisenberg ferromagnetic materials. p. 409.
- Iakovlev, I. U. M. - Equation of relaxation of an isotropic ferromagnetic material. p. 420.
- Nikolaev, V. V., Orlov, A. N., Taluts, G. G. - Oscillations of a continuum with dislocation mobility. p. 424.
- Serova, F. G. - Calculating the first quantum correction to ion energy according to the Thomas-Fermi model in calculating elastic constants of certain metals. p. 435.
- Laitner, D. I., Kholminkskii, V. I. - Effect of the temperature of the base layer on the electric conductivity of films prepared by the vaporization of lanthanum in vacuum. p. 440.
- Gianovskii, E. B., and others. - Structure and properties of Fe-Cu-Ni-Al-Cu alloys in a highly coercive state. p. 444.
- Pasal'skii, V. M., Polesla, A. F. - Changes in structure and properties of Al-5% Zn-1% Mg and Al-5, 5% Ge alloys in the aging process. p. 449.
- Nemmonov, S. A., Kolobova, K. M. - X-ray spectroscopy of the energy spectrum of Ti-Fe alloys. p. 450.
- Bolotin, G. A., and others. - Optical properties and Fermi surface of palladium. p. 463.
- Afanaseva, L. A., Kirillova, M. M. - Optical and magnetooptical properties of iron and cobalt. p. 472.
- Dobromyslov, A. V., Bulnov, I. N. - Studying the recovery phenomena in aluminum-silver alloys. p. 477.
- Dobromyslov, A. V., Bulnov, I. N. - X-ray study of initial stages of aging in the Al-25% Zn alloy. p. 481.
- Iakovkina, N. H., Luzhinskaya, M. G., Shur, I. A. S. - Observing domain structure on stretched specimens of highly coercive vicatloy. p. 487.
- Luzhinskaya, M. G., Puzanova, T. Z., Shur, I. A. S. - Changes in the appearance of domain structure in single crystals of the highly coercive alnico alloy during magnetic polarity reversal. p. 495.
- Petrov, I. U. I., Rusin, B. A., Fedorov, I. U. I. - Ferromagnetic resonance in small particles of nickel, cobalt, and iron. p. 501.
- Leksin, I. E., and others. - Optical properties of superconducting commercial niobium-titanium alloys. p. 511.
- Sidorenko, F. A. - Symmetry of atomic environment and magnetic properties of 3d-transition metal monosulfides. p. 516.
- Shtroum, M. A., Lizunov, V. I. - Diffusive stress relaxation during polymorphic transformation. p. 521.
- Lorinskii, M. G., and others. - Microstructural characteristics of high-temperature fatigue failure of 40Kh12N8G8MB austenitic steel subjected to high-temperature thermomechanical treatment. p. 528.
- Mallinen, P. A., and others. - Causes of the effect of a pulsed magnetic field on tensile transformations in steel and alloys. p. 535.
- Gubernatorov, V. V., and others. - Kinetics of secondary recrystallization in transformer steel. p. 543.
- Lavrent'ev, G. F., Saika, O. P. - Studying the mobility of dislocations in single crystals of zinc. p. 548.
- Gindin, I. A., Bobonels, I. I., Nekliudov, I. M. - Effect of programmed loading on the flow stress in metals under alternating strain. p. 554.
- Kuz'menko, P. P., and others. - Electric resistance and electron transfer in the system Bi - Zn at 700°C. p. 566.
- Zhukovskii, A. Z., Khaikov, E. I., Rudenko, A. G. - Double inversion of electron transfer in the system Al - Zn in liquid state. p. 569.
- Doroshenko, A. V., Nemmonov, S. A., Sidorov, S. K. - Neutronographic determination of the structure of TiFe and TiCo alloys. p. 562.
- Nikulin, V. A., Polekhina, N. D. - Energy of hydrogen absorption in metals. p. 563.
- Zadumkin, S. N., Khokanov, Kh. B. - Theory of the surface energy and work function of an electron from a metal. p. 565.
- Asadullin, I. A. I., Kopylov, U. Kh. - Theory of cyclotron induction and echo. p. 568.
- Mishla, D. D., Boidenko, V. S. - Effect of structural state on magnetic properties of a cobalt-platinum alloy. p. 570.
- Dubrovskii, I. M. - Form of the nuclear magnetic resonance line in metal crystals containing dislocations. p. 572.
- Gilis, M. B., and others. - Connection between electric conductivity and sound velocity in liquid metals. p. 574.
- Vol. 23, no. 4, Apr. 1987.
- Table of contents translated:
- Tikhonov, L. V. - Interaction between a dislocation lying at the surface layer of a thick plate and alternating thermal stresses. p. 577.
- Moskalenko, V. A. - The dynamics of two-region superconductors with nonmagnetic impurities. p. 585.
- Raichenko, A. I. - Effect of dislocations in metals with a hexagonal lattice on X-ray scattering. p. 597.
- Petrov, A. N., Taluts, G. G. - Theory of first and second sound absorption in an electric field. p. 602.
- Gogadze, G. A., Kullik, I. O. - Theory of auto-electronic emission in superconductors. p. 606.
- Degiasvili, G. A., Serobrinin, A. L. - Excitation of surface plasma waves by a charge moving parallel to the metal-vacuum interface. p. 616.
- Kukover, P. I., and others. - Effect of mechanical stresses on the process of magnetic polarity reversal in ferromagnetic films. p. 620.
- Shur, I. A. S., Kandamova, G. S. - Nucleation and formation of domain structure in magnetic uniaxial ferromagnetic materials. p. 627.
- Puroi, I. M., Goman'kov, V. I. - Magnetic anisotropy energy and its dependence on temperature and heat treatment of nickel-cobalt alloys. p. 636.
- Zaikova, V. A., Shur, I. A. S. - Effect of thermomagnetic treatment on magnetic properties and domain structure in single crystals of siliicon iron Part I. p. 642.
- Lazarev, B. G., Semenenko, E. E., Kuz'menko, V. M. - Effect of the degree of distortion of a metal crystal lattice on its superconductivity. p. 651.
- Kozmanov, I. U. D., Koslov, M. S. - Studying high-temperature oxidation of hot-rolled electrical steels. Part I: Steel El. p. 655.
- Romanova, R. R., and others. - Effect of allowing to remain at room temperature prior to artificial aging on structure of an alloy of the system Al - Zn - Mg. p. 663.
- Aleksandrov, L. N., Kogan, A. N. - Theory of the effect of impurities on the rate of grain growth during the recrystallization of metals. p. 668.
- Bogachev, I. N., and others. - Free emission during $\gamma\delta$ transformations. p. 671.
- Bogachev, I. N., Egozhev, V. F. - Hardening and temperature stability of structural changes dependent on $\gamma\delta$ transformations in Fe-Mn alloys. p. 678.
- Gaiduk, V. V., Malapov, B. S., Ol'shanetskii, V. E. - Effect of boron and cerium and character of the boundary distribution of excess carbides in type Zr complex nickel alloys. p. 685.
- Afanasev, S. V., and others. - Recrystallization and texturization in an extremely thin strip of electrical steel. p. 690.
- Avramov, I. U. S., Gvozdev, A. G., Livshits, B. G. - Motive forces of secondary recrystallization. p. 696.
- Gorelik, S. S., Gol'dsholm, V. I. A. - Secondary recrystallization nucleus formation in electrical steel. p. 703.
- Kaikhin, V. D., Pashkov, P. O. - Certain characteristics of hardened steel failure. p. 711.
- Gidnev, V. N., Efimov, A. I., Kuzhinaeva, N. P. - High-temperature internal friction in nickel-chromium alloys. p. 715.
- Solov, L. M., Shchegoleva, Z. A. - Nature and mechanism of the appearance of a background in antimony and bismuth crystals. p. 722.
- Niashin, I. U. I. - Spin-lattice paramagnetic relaxation in polycrystalline powders. p. 728.
- Sidenko, R. A. - Dislocation growth of crystals of hypercohesive lamellar graphite in cast iron. p. 730.
- Kaikhin, V. L., Turlov, V. D. - X-ray study of the structure of a high-cobalt alloy for permanent magnets in the 800-1200°C temperature range. p. 730.
- Nemmonov, S. A., Sorokina, M. T. - Fine structure of the $L\beta_2$ -emission band in palladium. p. 732.
- Nekrashevskii, I. A., N'olik-Shakharzov, V. A., Bydlinskaya, I. N. - Effect of gamma rays on the mechanical relaxation spectrum of aluminum in the temperature range of 150 to 300° K. p. 735.
- Smilnov, G. P., Kunin, L. L. - Interconnection between the parameters of hydrogen diffusion and kinetic coefficients in iron-aluminum alloys. p. 740.
- Pavskaya, V. A., Paskal', I. U. I., Savitskii, K. V. - Unusually intensive porosity development in the Al-Cu alloy. p. 739.
- Bolotov, I. U. V., Kozlovnikov, N. V. - Curie temperature of nickel films obtained by the chemical method. p. 740.
- Prakul, A. F., Volkonshtein, N. V. - Certain characteristics of the magnetization curves of inhomogeneous superconductors of the second order. p. 741.
- Tlapkina, N. A., Shtroum, E. V. - Multiplication of dislocations in single crystals of zinc under the effect of ultrasonic waves. p. 744.
- Likhachev, V. A., Vladimirova, G. V., Malygin, G. A. - Temperature aftereffect in two-phase alloys. p. 747.
- Raelskii, V. M. - Electric resistance in titanium-aluminum alloys at 78 - 3780 K. p. 749.
- Popov, L. E., and others. - Effect of atomic ordering on strain hardening of NiCr alloys. p. 751.
- Kleshchev, G. V., Sheinkman, A. I. - Interaction between the matrix and submicroscopic regions at initial stages of decomposition of a supersaturated solid solution. p. 753.
- Damkin, I. U. I. - Formation of microcracks in the Mn-35 at % Fe alloy. p. 754.
- Gidnev, I. A., and others. - Defects of the crystal lattice of copper rolled at low temperatures. p. 756.
- Zakharov, I. U. I. -
- Tovpene

- Refa, M. D. - KShKh coal mining machine unit p.19.
- Tarasenko, V. E., Popov, I. S., Mari'lanov, I. A. - New cutting machines, p.25.
- Radziwylowich, L. L., Tarasenko, V. E. - D-15s drills, p.34.
- Tarasenko, V. E., Ignat'ev, A. I., Pasternak, M. F. - Utilized Bf-u boring rigs, p.36.
- Orokhovskii, I. I., Khailamov, V. V., Chalka, N. V. - Pilot plant operation of high-frequency ERV-4 and 4,5ERV electric locomotives, p.41.
- Orokhovskii, I. I., Baiyshev, A. I., Volkodov, V. N. - New conveyors, p.49.
- Bogiad, I. S. - AUK-10TM equipment complex, p.53.
- Andriukhin, V. S. - KOS-1,5 haulage equipment complex, p.64.
- Andriukhin, V. S., Baisuk, K. M. - OA- and ON-type dump cars, p.65.
- Gubanov, L. K. - TTK-t chain pushers for curvilinear sections of the track, p.73.
- Andriukhin, V. S., Anenkov, P. V. - Cage stoppers, p.74.
- Makarevich, I. U. S., Fomovskii, V. A., Siatkov, A. A. - OV-type equipment for sampling and sorting of coal from railroad cars, p.82.
- Kruehlin, B. F., Buzhin, N. K. - OVP-2 equipment for determining contents of visible rock and fines, p.94.
- Buzhin, N. K., Zelenkii, N. S. - SO equipment for bark peeling, p.97.
- Laitonov, E. V. - Utilized coal mine cages for bifacial guides, p.101.
- Bondarenko, V. I. - PUZ suspension arrangement with KRZ thimbles, p.111.
- Kozlov, A. L. - PP-3 mobile hoisting equipment, p.116.
- Raskin, I. A., Delous, N. I. - VRTsD-4,5 high-power centrifugal fans, p.121.
- Ivanov, S. K. - VM-5 adjustable fan for local aeration, p.127.
- Ivanov, S. K., Skripnikov, V. B. - KPSh-40 mobile air-conditioners for coal mines, p.129.
- Svetlichnyi, P. L. - EDK04-R electric motor for coal cutter-loaders, p.133.
- Gorskii, N. A. - VHK-20 cutters for rubber-loaders, p.135.
- Grebeshkov, I. U. V. - UPK-111 motors, p.137.
- Vengor, F. I. - OMK-2 mechanical shaft dustlers, p.139.
- Podpruzhnikov, V. I., Kozlov, A. I. - MK-2 machine for recovering arched metal supports, p.141.
- Podpruzhnikov, V. I., Saifudinov, A. A. - "Luch" lamps, p.142.
- Zavotnov, V. I., Glumakov, P. G. - RDO explosion-proof equipment, p.145.
- Tiutunuk, V. K., Sviatnyi, N. A. - PR portable equipment for determining coal resistance to cutting, p.149.
- Loseva, G. M., Glumakov, P. G. - Recording dynamometer for mining machinery, p.154.
- Novitskii, E. I., Dulin, A. K. - AMZD-5 apparatus for magnetic recording of deformations, p.158.
- Novitskii, E. I. - Small-size mercury slip rings for measuring stresses in mine machinery shafts, p.164.
- *METALLURG [METALLURGI].** Issued by Gosudarstvennyi komitet po chernoi i rудnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Non-ferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.12, no.3, Mar.1967.
- Table of contents translated:
- The golden assai of metallurgy, p.2 of cover-2.
- Boris, I. U. M., and others. - Influence of the method of natural gas supply on tuyere zone processes, p.3.
- Leokidov, N. K. - Dimensions of the hearth of a blast furnace, p.5.
- Shlepi, E. D., and others. - Influence of blast furnace dust on the wear of charging equipment, p.8.
- Chuvpylo, P. P., Bannykh, V. F., Sidorenko, N. G. - Mechanization of the removal of waste from tunnel pipes of pouring machines, p.11.
- Peukhov, B. G., and others. - Using open-hearth furnace sinter made of charges with cast iron chips, p.13.
- Umitkin, P. V., and others. - Rapid carburization of liquid metals, p.14.
- Pashchenko, V. E., Monastyrskii, V. I. A. - Service of hearth bottoms in 30-ton electric furnaces without rammed layers, p.16.
- Iodko, E. A., and others. - Nature of the exfoliation of killed steel sheets, p.17.
- Priskolot, V. N., Grigor'enko, A. M. - Economic advantages in carrying out hot repairs of open-hearth furnaces, p.18.
- Tiulekova, I. U. F., Tiulebaev, V. G. - Heating of open-hearth furnaces with bituminized mazut, p.19.
- Afanas'ev, S. G. - The all-Union conference on converter smelting production, p.20.
- Tasovskii, D. G. - Expansion of the range of rolled stock in the U.S.S.R. during the last 50 years, p.22.
- Rialokon', N. K., and others. - Experience in manufacturing channel beams, p.24.
- Vedlakin, N. M., Nenashov, P. E. - Certain regularities in the formation of flaws along the inside square of pipes, open to discussion, p.27.
- Gorshkov, B. T., Tatin, I. A. - Determining expenses for cleaning metal surfaces, p.30.
- Meandrov, L. V., and others. - Rolling of two-layer sheets for agricultural machine building, p.31.
- Rodionov, L. - Mechanism for the turning of ingots, p.32.
- The all-Union conference on increasing the quality of steel heating and on the efficient use of fuel in heating furnaces, p.34.
- Savol'ov, D. I. - Standardization of design and construction works at the "Krasnyi Otklad" Plant, p.35.
- Morozov, V. D. - Single-tube pneumatic post with three receiving-dispatching stations, p.36.
- Kuznetsov, P. K. - The oldest metallurgical plant in Siberia, p.38.
- Efremenko, A. - Pages of life, p.39.
- MOSCOW. TORFANOI INSTITUT. [PEAT INSTITUTE. Transactions].** No.4, 1956.
- Table of contents translated
- Bulavskii, N. V. - Deep drainage, p.3.
- Saimatov, M. I., Kuzhmin, G. I. - Working deposits containing tree stumps by interrupted milling of peat together with woody material, p.39.
- Blokh, I. G., Biliukov, M. S., Ivanov, E. I. A. - Mechanization of working stump-containing deposits using excavator (machine-forming) peat winning methods, p.70.
- Semenkii, E. P. - Equipment for the pat-ilt method of winning lumpy peat, p.86.
- Vellor, M. A., and others. - Improved technology of hydraulic method of peat winning, and machines for processing, molding, and stacking up of peat in high drying piles, p.103.
- Blokh, I. G., Bessmertnyi, D. P. - Mechanization of the harvesting of excavated peat at enterprises not supplied with electricity, p.130.
- Semenkii, E. P., and others. - Mechanization of sorting and preparing first samples of peat, p.156.
- Ziuzhi, V. A. - Certain problems of technical and economic analysis in peat industry, p.160.
- NEFTEGAZOVAYA GEOLOGIYA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS].** Issued by Gosudarstvennyi komitet nefteobryval'shchii promyshlennosti pri Gosplane SSSR and "Sentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovani po neftnoi, neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no.4, 1967.
- Table of contents translated:
- Avanesov, I. G., Kisluk, B. E. - Oil recovery mechanism of Zylva field, p.3.
- Ilukhin, E. S., Shevchukov, G. V. - Results of hydrodynamic studies of wells in Ust'-Balyk, Meglon, and Vainyskiy fields in Western Siberia, p.5.
- Kovalenko, E. K., Sablov, I. Kh. - Effect of reservoir nonuniformity on indicator diagrams, p.11.
- Amilian, V. A., Anastas'ov, M. N. - Experimental study of pressure changes in annular space during circulation of two-phase flows, p.16.
- Charyov, O. M. - Possibility of using pipes with inside coating in mechanized method of petroleum production, p.20.
- Kolokol'sov, V. A., Latypov, R. S., Khamzin, K. G. - Effect of various factors on differential pressure changes in well testing using formation testers, p.23.
- Konev, V. D., and others. - Selecting efficient distribution of perforation intervals relative to water-oil and gas-oil contacts in Macole horizon IV of Anastas'yevka-Troitskoye field, p.20.
- Popov, A. A. - Paraffin deposition in reservoir conditions in gas-oil pools Nizhnaya Omka field, p.20.
- Nabiev, N. N., Denisov, F. I. - Determining bottom-hole pressure during hydraulic fracturing, p.31.
- Bata-Zade, F. A. - Determining optimum speed of liquid lift in tubing when exploiting wells by air or gas lift, p.34.
- Nanikov, B. A., Mullu, V. B. - GRT-1 depth thermometer, p.36.
- Kuchornik, V. A., Savvateev, I. U. N. - Errors in reading system in discrete measuring of production, p.38.
- Kaplin, I. U. V., Trobin, G. F., Filin, I. U. I. - Significance of thermodynamic conditions in determination of gas content of formation petroleums, p.41.
- NEFTIANAYA IGAZOVAYA PROMYSHLENNOST' [PETROLEUM AND GAS INDUSTRY].** Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Sverl'a Ministrov Ukrain'skoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Ukrain'skoe respublikanskoe pravlenie Nauchno-tekhnicheskogo obshchestva neftnoi i gazovoi promyshlennosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Republic Administration of the Scientific Technological Society of the Petroleum and Gas Industry], Kiev, no.2(32), Mar.-Apr.1967.
- Table of contents translated:
- Vorob'ov, B. S. - Principles of directed searches for large gas and oil fields in Ukraine, p.1.

Ko denko, G. - Economic expediency in pouring mud into well when pulling drill pipes. p. 19.
 P'ishchin, M. A. - Efficient scheme of rigging hoisting mechanism of drilling rigs. p. 23.
 Tug'lin, I. M., Gorodnov, V. D., Finkel'shteyn, M. Z. - Effect of properties of carboxymethyl cellulose on the stability of drilling muds. p. 26.
 Surzhikov, M. L., Kovalev, V. S. - Method for determining effect of well pattern parameters on indices of flow-in operations and ultimate oil recovery. p. 31.
 Oshibko, V. M., Sultunov, S. A., Vakhimov, G. G. - Basic trends in improvement of development of Romashino field, as a topic for discussion. p. 37.
 Tushin, M. Kh., Sukhmalin, V. E. - Determination of recovery factor based on data of field geophysics on sandstone reservoirs of Pashy horizon in Tuy-mazy field. p. 43.
 Boltenko, K. G., Zdorov, S. F., Mishakov, V. N. - Economic effectiveness of incremental production of oil fields by mining methods. p. 49.
 Apatov, D. M. - Investigating effect of magnetic field on salt deposition in tubing in exploiting oil wells. p. 54.
 Vinnitskiy, A. S., Tsvinkova, O. E. - Work cycle of vibration pump. p. 57.
 Sultunov, V. B. - Using mathematical methods for developing tank farm management. p. 61.
 Polinskaya, L. V. - Calculating unsteady motion of fluids in pipeline equipped with centrifugal pumps. p. 66.
 Gilepov, P. I., Us, L. M. - Using rubber-cement separating plugs in wells of North Caucasus. p. 71.
 Kuzmin, B. D., Khasayev, A. M., Smol'nikov, N. V. - Sealing threaded joints of tubing with viscoplastic fluids. p. 73.

Vol 45, no 4, Apr 1967

Table of contents translated
 Khinun, G. E. - Planning and determining results of internal business accounting in oil field management as a topic for discussion. p. 1.
 Razinov, R. K. and others - Some economic problems of building marine oil-field structures from prefabricated reinforced concrete. p. 8.
 Immesian, R. A. - New trends in developing turbodrilling equipment. p. 11.
 Gizerian, G. S., Kiselev, A. A. - Investigating causes of explosions in wells during air drilling. p. 16.
 Breyda, G. D., Simonov, V. V. - Determining positions of instantaneous axes of rotation of two-cone cutters. p. 21.
 Timok, N. I., Kurochkin, B. M. - Some characteristics of method for investigating oil well circulation losses based on calculating level decline rate. p. 24.
 Burakovskiy, I. N., Dvashvskiy, A. S. - Graphic-analytical method for calculating double-acting hydraulic percussion drills. p. 27.
 Sazonov, B. F. - Determining optimum density of well-spacing pattern in developing oil fields. p. 31.
 Krivosov, I. V., Kirillin, A. F., Sobolev, V. I. - Interval exploitation of layers in Romashkino field. p. 35.
 Zhirinov, A. G., Votchenko, I. I., Kozachenko, A. S. - Some problems connected with increased water encroachment of oil to be recovered. p. 39.
 Babitskiy, G. A. and others - Treatment of bottom zones of injection wells by carbonated water. p. 41.
 Milschenko, I. S., Putilov, M. F. - Increasing effectiveness of hydrochloric acid treatment. p. 44.
 Blokh, S. S. - Characteristics of build-up curves and comparison of results of their treatment by various methods as applied to wells in Zapadno-Tebuk field. p. 47.
 M'eshul', A. D., Arzumano, E. S., Vozhik, R. E. - Experimental studies of relation between resistance coefficient and Reynolds number in sudden expansion of flow. p. 53.
 Frolor, K. D. - Hydraulic calculation of pipelines in nonisothermal flow of petroleum and petroleum products. p. 55.
 Vinogradov, V. N., Sorokin, G. M., Pashkov, A. N. - Method for studying wear and breakdown of roller bit support. p. 62.
 Kirina, T. A. - Multisection turbodrill of new design. p. 64.
 Oreshenko, A. F. - Increasing efficiency of drill pipes. p. 66.
 Dulinov, I. A. - Unique project to develop Golden Spike field (Canada). p. 69.

*POROSHKOVAIA METALLURGIYA [POWDER METALLURGY] Organ of Institut metallofiziki i spetsial'nykh splavov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol 7, no 4(52), Apr, 1967.
 Table of contents translated
 Sytin, V. G., Polshchikov, N. E. - Preparing a highly disperse, homogeneous titanium powder by the carbonyl method. p. 1.
 Manukyan, N. V. - Carbothermic method of preparing iron powder. p. 4.
 Mal'tsev, M. V., Nikanov, A. N. - Investigating lateral stresses under hot pressing forces. p. 13.

Kadon (Selskii, I. D., Shcherban', N. I. - Elastic after-effect on the pressing of ceramic material. p. 20.
 Kalashnikov, I. S., Alekseyenko, L. S., Degtyareva, T. V. - Studying the compaction of zirconium dioxide during hot pressing. p. 24.
 Gropman, V. M., Solov'ev, V. G. - Studying sintering and properties of solid solutions of carbides. p. 29.
 Vitiushkin, V. K., Odenko, V. B. - Preparing porous products of zirconium carbide with the use of sintering filters. p. 31.
 Pecherich, V. A., Pashchev, V. N., Gerasimov, A. I. - Studying properties of zirconium materials prepared by the method of condensation from chloride solution. p. 38.
 Gorskova, L. V., Fedorov, T. I., Kuz'ma, I. U. - Ternary systems niobium - titanium - carbon and tantalum - niobium - carbon. p. 42.
 Volkovich, R. I., Shakhmurov, N. P. - Thermodynamic equilibrium calculations for the system carbide - oxygen. p. 46.
 Mitoshnikov, V. N., Fedotchenko, I. M. - Studying the heat resistance of low-porosity bronze. p. 53.
 Denbiovetskaya, L. N. - Physical properties of solid solutions of the system NbC - MoC. p. 57.
 Fashchich, O. I., Dem'ianchuk, A. S. - Effect of degree of porosity of a ceramic metal material on the relative intensity of spectral lines of certain elements. p. 61.
 Eremin, V. S., Panov, A. S. - Carbon diffusion in vanadium and titanium carbides. p. 65.
 Shegolev, G. M., and others - Experiments on the protection of porous high-melting materials against oxidation and erosion in plasma flow. p. 70.
 Aramonov, A. A., Kamenko, V. I. - Wear of a cathode during the volatilization of porous materials. p. 76.
 Serdyukov, I. V., Gerasimov, R. L. - Semiautomated equipment for sedimentometric analysis of powders. p. 86.
 Kozlov, A. A., Saklinskii, V. V. - Ceramic metal parts in automobile manufacture. p. 91.
 Ushakov, B. A., Markov, I. V., Gerasimov, I. U. - Chemical method of preparing a charge mixture for contacts. p. 96.
 Alzenkol't, F., Kvalch, V. - Studying ultrafine powders of copper and bronze. p. 99.

RAZRABOTKA NEFTIANYKH I GAZOVYKH MESTO-ROZHDENII (DEVELOPMENT OF OIL AND GAS FIELDS) Lvov, no 1, 1966

Table of contents translated
 Skalskaya, U. I., Dilak, I. V., Dushkev, M. I. - Results of using chalk mud in drilling wells in Carpathian Mountain region. p. 1.
 Kravets, V. V., and others - Results of using jet bits in well drilling in fields of Carpathian Mountain region. p. 7.
 Velichkovskiy, S. V., and others - Graphic calculation of casing. p. 15.
 Mankhlyak, N. I. - Heat-resistant clay-cement mixtures. p. 20.
 Tishchenko, A. V., Fedorov, A. A. - Methodology of calculating inner pressure of casing. p. 21.
 Akul'shin, A. I., Vasilevich, V. P., Mankhlyak, N. I. - Efficiency of developing Vypila pool in Dolin oil field. p. 28.
 Vasilevich, V. P. - Characteristics of advance of water in producing layers in flooding Vygora pool in Dolin oil field. p. 31.
 Savenkov, G. D. - Sand jet method for treating bottom zone layer using inclined nozzles and evaluation of its effectiveness. p. 35.
 Savenkov, G. D. - Problem of connecting and regulating layer and flow lift when exploiting pool by solution gas drive. p. 42.
 Uzumov, E. I. - Stresses occurring in casing when cutters become wedge. p. 47.
 Kuznetsov, I. Kh. - Blending of petroleum and petroleum products in storage tanks in consecutive pipeline. p. 52.
 Shvadchak, N. S. - Interrelation of horizontal and evaluation of gas reserves in Bityon gas condensate field. p. 56.
 Shvadchak, N. S., Mizina, V. G. - Some problems in developing neofinite sediments in Bityon field using gas repressuring. p. 60.
 Lyshak, A. F. - Ways to improve forms and systems of wages in petroleum industry. p. 62.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no 5, May 1967.

*REFERATIVNYI ZHURNAL: METALLURGIYA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no 5, May 1967.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, chislina metallurgii [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy] Moscow, vol. 10, no. 3, 1967

- Table of contents translated
- Filippov, E. S., Filippov, S. I. - Theoretical determination of the surface energy and effective charge of liquid metal ions. p. 5.
- Boromakov, V. N., and others - Kinetics of the anodic removal of sulfur from molten slags. p. 10.
- Papet, S. I., Pavlov, V. V., Shakhov, K. M. - Resistance of certain links in the reaction of carbon oxidation from a rimmed open-hearth bath (open to discussion). p. 15.
- Buylev, B. P. - Carbon solubility in liquid metals of the sixth period. p. 20.
- Efimov, S. P., Efimenko, G. G. - Effect of fuel grain-diameter on the value of air excess coefficients during smelting. p. 23.
- Pokhivanev, A. N., Klempert, V. M. - Interrelation between gas permeability and heat condition of blast furnaces. p. 29.
- Sorokin, V. A., and others - Pulsating blow as method of regulating blast furnace operations. p. 33.
- Frolov, V. A. - Depth of penetration of a gas stream into a liquid during the horizontal blowing in of gas. p. 37.
- Charkhin, N. G., and others - Method of modulating the condition parameters of heating an open-hearth furnace to determine the rate of carbon oxidation. p. 41.
- Chuganov, L. F., Abrosimov, E. V. - Selecting the optimum position of a fuel-oil gas burner in an open-hearth furnace. p. 45.
- Smolits, V. V. - Character of decarburization of a converter bath. p. 50.
- Eyssee, P. P., Filippov, A. F. - Physicochemical properties of slags of the system $\text{CaO} - \text{Al}_2\text{O}_3 - \text{Me}_2\text{O}$. Report No. 2. p. 55.
- Pokhlin, V. P. - Construction of a mathematical model of the sheet rolling process. Report No. 3. p. 60.
- Gudov, A. P. - Experimental check of the natural bite formula. p. 68.
- Pogor, A. N. - Effect of rest moment in rolling steel mechanisms on a cold rolling reversing mill. p. 72.
- Osadchii, V. I. A., Lentshin, V. D. - Slip during hot cold rolling. Report No. 2. p. 77.
- Seidali, I. S., Slusin, G. A., Shevakin, I. U. F. - Effect of kinematic characteristics on torque during cold pipe rolling. p. 80.
- Tanapal, M. A., Buihyga, A. M., Lapitskii, V. I. - Nature of internal laps on rolled seamless steel pipes. p. 84.
- Feldenzon, M. E., Tarnovskii, I. A. - Pressure between rolls and roll deflection on four-high mills. p. 91.
- Bel'gol'skii, B. P. - Coordination of operations in rolling mill systems. p. 96.
- Vinditskii, A. A., Presnitskov, A. A. - Performance of sectional instruments for measurement of external friction during plastic deformation. p. 101.
- Lupenkov, M. F. - Studying the decomposition of super-saturated solid solutions by the method of nuclear magnetic resonance. p. 105.
- Ishchev, V. P., and others - Effect of preliminary annealing on the start of secondary recrystallization in transformer steel. p. 109.
- Gavrilov, V. V., Omel'chenko, V. S. - Effect of deformation and annealing on the cavitation resistance of certain metals and alloys. p. 112.
- Stumakhin, A. A., Polubov, A. I. U. - Conditions for the existence of a nitride phase in nickel alloys with titanium, zirconium, and aluminum. p. 116.
- Archakov, I. U. I. - Steel saturation by hydrogen at high temperatures and high pressures. p. 122.
- Gonchar, V. N., and others - Studying the kinetics of isothermal decomposition of austenite in 20KhGNR steel. p. 127.
- Krichmer, V. G., Palsov, I. V. - Mechanical properties of high-strength steels at high temperatures. p. 131.
- Oshp, G. A. - Stabilization of austenite. p. 133.
- Geller, I. U. A., Ranzhina, E. A. - Effect of molybdenum on properties of stainless instrument steels. p. 135.
- Ryzhikov, A. A., Gerostskii, V. A., Kolosov, B. A. - Studying the process of metal flow and decomposition into drops. p. 140.
- Kumanin, I. B., and others - Effect of certain technological factors on gas emission from molding and core mixtures. p. 144.
- Andreev, I. U. N. - Nomograms for calculating the quickest way of heating a massive plate. p. 147.
- Khailchenko, P. I., Didenko, G. A. - Temperature field of a flat wall of a continuous hot mold. p. 153.
- Akhmetov, A. D., Vashishin, P. I., Skvortsov, A. A. - Heat exchange processes in water cooled chills. p. 158.
- Glinkov, M. A., and others - Automatic control of open-hearth smelting with the use of oxygen. p. 163.
- Zenkovskii, A. G. - Heat processes in a holding furnace for nonoxidizing heating. p. 168.

- Bukovskii, A. G., Gol'dfarb, E. M., Geskin, E. S. - Application of principle of the maximum for optimization of temperature conditions of a furnace. p. 173.
- Roments, V. A., Ivanov, I. N., Filbert, L. V. - Comparative analysis of technical and economic indices of steel production in vacuum, arc, and electric slag furnaces. p. 181.
- Shchuplov, P. I., Bannil, N. P., Fedotov, A. A. - Economic importance of ore preparation for smelting. p. 188.

Vol. 10, no. 1, 1967.

- Table of contents translated
- Buylev, B. P. - Solubility of gases in liquid manganese-base alloys. p. 3.
- Sabizlanov, A. V., and others - Calcium solubility in phase components of ferrosilicon with a high silicon content. p. 12.
- Efimov, G. G., Efimov, S. P. - Carbon distribution during the nodulizing of sinter charges. p. 16.
- Kolov, K. I. - Hot blast moistening with the use of natural gas. p. 24.
- Bykov, M. S. - Desulfuration during the smelting of magnetite iron ores and concentrates with magnetite waste rock. Report No. 2. p. 29.
- Suprunenko, R. S., Prilykhi, D. P., Teverovskii, B. Z. - Determining optimum operating conditions of a turbulent scrubber during the cleaning of sintering furnace gas. p. 35.
- Serezhnik, V. M., and others - Effect of technological factors on content of iron oxides in slag from oxygen-blown converter process. p. 38.
- Bakumenko, S. P., Gallacv, B. B. - Estimating an ingot weight. p. 43.
- Zherdev, I. T., and others - Hearth structure in an open furnace for smelting silicomanganese. p. 47.
- Kholodov, A. I., Alkhaidin, V. A., Shemonaeva, V. N. - Nitrogen behavior in the process of charge melting in an electric arc furnace during the smelting of low-carbon steel. p. 50.
- Tolstoguzov, I. V., Iakushevich, N. F. - Studying the melting of ferromanganese from concentrates of carbonate ores of the deposit. p. 55.
- Nedolov, A. A., and others - Effect of the neutral line position in shaped passes on torque distribution between rolls. p. 60.
- Chelovan, M. N., Kharagali, A. S. - Experimental investigation of stress distribution during the shaping of a strip on a roll-bending machine. p. 61.
- Drovanan, M. I. A., Vyshin, V. N., Rimov, V. Kh. - Determining tension during continuous rolling taking into account relaxation. p. 69.
- Kotel'nikov, V. P., Tarnovskii, I. A., Stanislavskii, M. I. - Certain basic characteristics of the process of rolling large ingots. p. 72.
- Polukhin, V. P., Pollaskov, V. S., Shishkin, I. U. A. - Studying reverse flexure of rolls on a four-high mill. Report No. 1. p. 76.
- Sorokin, V. K. - Compressibility of Kh18Ni5 austenitic steel powder. p. 81.
- Valushtin, A. A., Kotov, V. S., Mintz, R. I. - Evaluating criteria of alloy resistance to microimpact stresses. p. 87.
- Kovalenko, V. S., Zait, I. L., Filina, L. F. - Mechanism of steel inoculation by zirconium. p. 93.
- Dobaykin, N. P., Selezneva, A. A. - Experimental determination of internal stresses in two-layer sheet steel. p. 100.
- Kachalkin, V. G., Sokolov, L. D. - Studying anomalies in strength characteristics of metals and alloys. p. 105.
- Gilgorkin, V. I., and others - Hardening austenitic manganese steel by heat and thermomechanical treatment. p. 110.
- Voronova, N. A., Mashinson, J. Z. - Mechanical properties of G13L steel in hardened state. p. 116.
- Sheluberg, M. M., Trifonov, G. A. - Effect of thermal stressing conditions on heat-resistant properties of Kh18NiOT steel. p. 120.
- Orgilov, V. S. - Effect of additions of rare earth elements on cold brittleness and tendency of acid converted rail steel toward temper brittleness. p. 124.
- Grdina, I. U. V., Soroshnikov, A. F. - Properties of combined coatings at high temperatures. p. 128.
- Gol'dfarb, E. M., Talis, N. I. U., Eeskovskii, O. S. - Theoretical determination of the optimum thickness of chill coatings in centrifugal casting of pipe blanks. p. 133.
- Getman, A. A., Turushkin, L. P. - Effect of structural and technological factors on strength and reliability of castings of high-grade cast iron. p. 138.
- Vashechenko, A. I., Zenkovskii, A. G., Davydov, V. A. - Studying external heat exchange in holding furnaces for nonoxidizing heating of metals. p. 143.
- Gol'dfarb, E. M., and others - Modeling solidification processes and the heating of ingots of rectangular cross section. p. 149.
- Kocho, V. S., Kochetkov, E. A., Zakharova, E. V. - Optimum frequency of flow reversal in open-hearth furnaces. p. 154.
- Maslovskii, P. M., Evtushenko, V. F. - Probabilities in the description of perturbation effects. p. 159.
- Maslovskii, P. M., Avdeev, V. P. - Algorithm of the functional description of complex systems. p. 167.

- Talis, I. U. N., and others - Temperature conditions of rolling mill guides. Report No. 1. p. 176.
- Medvedev, I. A., Spasov, A. A., Afanas'eva, G. A. - Conversion factors for cast iron and blast furnace iron alloys. p. 180.
- Ben, T. G., Chernovolova, A. P. - Efficiency of heat treatment of sheet steel. p. 184.
- Bel'gol'skii, B. P., Medvedev, I. A., Staroselskii, A. L. - Stimulating metal economy in rolling mills. p. 188.

RUSSIA (1923- U.S.S.R.)

Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, chislina metallurgii [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy] Moscow, vol. 10, no. 3, 1967

- Table of contents translated
- Davydov, I. U. B. - Estimating the accuracy of beta measurements in boreholes. p. 3.
- Melchov, V. A. - Sliding block system of mining thick steeply-pitching layers with conventional technology of coal extraction. p. 7.
- Bazhenova, S. G. - Probability method of forecasting soil swelling intensity in extraction drifts in Moscow Basin coal mines. p. 12.
- Kraev, I. U. K. - Methods of studying rock pressure in horizontal workings, and behavior of supports in conditions of rock pressure. p. 15.
- Shish, D. Z. - Manifestation of rock pressure during the displacement of rocks and lowering of stopping levels in some Kivrovog mines. p. 20.
- Kulsh, S. A. - Certain technical and economic calculations respecting material and technical supplies by means of network schedule graphs. p. 27.
- Zebzdev, K. V., Mel'ner, M. V. - Automatic control in mining and ore dressing enterprises. p. 74.
- Roginskii, P. M. - Determination and evaluation of lowest grade deposits in mining economy problems. p. 40.
- Al'shuller, M. A., Iohannov, N. I. A. - Certain problems in determining economic efficiency of the public work in the mining industry of the Soviet Union. p. 46.
- Gelfand, E. M. - Prospects of using inhibitors in preventing explosions of methane-air mixtures during blasting operations in gas-prone coal mines. p. 49.
- Mostepanov, I. U. B., Iakovlev, I. U. A. - Hydraulic modeling of the action of blind workings during motor truck operations. p. 52.
- Rudenko, K. P. - Spontaneous combustion of various brands of coal in the Donetsk Basin. p. 58.
- Duganov, G. V., Muravchik, V. I. - Underground installation for air conditioning, and results of its testing. p. 60.
- Taratia, N. U., Blagoderko, I. U. I. - Calculating equivalent explosive charges. p. 67.
- Savvinov, B. I., Kuznetsov, V. A., Ropozhkin, V. N. - Influence of fracturing in quartzites on the efficiency of thermal piercing. p. 72.
- Pogor, A. N., Silval, A. I. - Abrasive wear of steel during friction with rocks. p. 77.
- Lomakin, V. P., Kaminskii, D. A., Makarov, A. V. - A method of increasing efficiency of single-bucket excavators. p. 82.
- Chernyshenko, A. A. - Stress and deformed state of a ring stiffener on castings of multiple hole friction sleeves. p. 87.
- Kivak, I. U. N. - Statistical modeling of stresses upon actuating mechanisms of mining machines with the aid of electronic computers. p. 92.
- Shokman, I. G., and others - Principles of the theory of magnetic solenoid conveyors. p. 96.
- Molisenko, D. I. A. - Stability of movements of mine hoisting equipment in a flexible reinforcement of the shaft. p. 102.
- Nosyrev, B. A., Kharayev, S. M. - Load coefficient of inclined hoists in open-pit mines. p. 111.
- Eugov, M. B., Kul'kov, N. A. - Compensation of the effect of hydrodynamic forces on the motion of their division in the otto-type element dividers. p. 117.
- Orlov, A. S. - Using electronic computers for the study of dynamic processes. p. 125.
- Petrov, I. P., Mozhaev, A. A. - Electronic modeling of the system of controlling loads on electric motors of coal mining machines. p. 129.
- Ivanchenko, E. I. A., Shlepa, E. P. - Quality of the system of controlling coal mine hoists with asynchronous drive and rotating stator. p. 137.
- Konlev, V. P. - Approximation method for the study of self-oscillations in one-channel automatic control systems having the nonlinearity of a relay type with a dead zone. p. 142.
- Cherutskii, Z. A. - Selecting a regulator for controlling the movements of coal cutter-loaders in the section of a coal layer. p. 147.
- Volkov, A. A., Lytkin, I. P., Sokolov, I. U. N. - Synthesis of optimum ventilation control in coal mine working areas by the phase space method. p. 151.
- Kubik, P. A., Reibman, L. A. - Automatic control of the process of loading with light ores in closed gauging circuits with actuated screens. p. 156.
- Minaev, V. M. - Mathematical description of comminution processes in jaw crushers. p. 160.

10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200

201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300

301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400

401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500

501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600

601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700

701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800

801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841

Burnin, M. - A year later, p. 4.
Sul'ti, V. - For open-pit coal mines, p. 4.
At the Collegium of the Ministry of Coal Industry of the Soviet Union and the Central Committee of the Trade Union, Be ready to greet the Great October p. 7.
Khusht, N., Fleishman, M. - Scientific organization of work. What experience is teaching us, p. 6.
Mal'tsev, A. - Steps of the reform p. 9.
Bazhanov, V., Ablesov, A. - Give new machinery to our friends. High standards of production, p. 11.
Ponomarev, A. - Representative of Sakhalin, p. 14.
Mikhulov, V. - They went into the fire, p. 19.
Urasov, A. V. - In the interest of coal miners, p. 20.
Shuplov, A. - Correspondence between friends, p. 21.
Borshch, N. - Wrong friends, p. 21.
Mikhulenko, I. - Youth trade-union, p. 23.
Andrey, M., Kipen, T. - Daughters of the coal miner family, p. 23.
Kulachenko, A. - Head of the miner family, p. 25.

***STAL' [STEEL]** Organ of Gosudarstvennyi Komitet po khimicheskoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, vol. 20, no. 5, May 1960

Table of contents translated.

Khrushchev, F. A., and others - Testing the carbon blanking of blast furnaces p. 385
Babitskiy, N. N., Ushin, F. A. - Effect of air preheating on blast furnace operations p. 391
Kassin, D. A., Litvinova, T. I. - Mechanism of mineralization during the making of fluxed slater, p. 397
Glasov, P. G., Krasnozhen, D. E. - Operation of blast furnaces with evaporation cooling p. 403
Dubov, N. F. - In the Urals Research Institute of Ferrous Metals p. 405
Some problems in the theory of the dephosphorization process p. 406
Broyman, M. I. A., Surin, L. V., Litvinov, V. S. - Atomizer for the uniform sprinkling of water on continuous steel casting installations p. 416
Alyshch, S. I., and others - Bottom pouring of fluid steel without cussing p. 419.
Kalinin, E. S. - Gas removal from a steel stream within a vacuum p. 420
Roginskiy, I. S. - Top blowing of metal in Thomas converters by pure oxygen and pulverized lime p. 422
Roginskiy, I. S. - Practical application of the Kaldor process p. 424
Chub, G. F. - Research at the Zaporozhstal' plant laboratory p. 426
Fedural, F. P., Kuliev, I. Kh., Kollasnikova, R. I. - Accelerating the electric smelting of 18khNVA steel from alloy scrap p. 428
Gubert, S. V., Rabinovich, D. M. - Improving the quality of rails by volume hardening p. 434
Kuzmina, I. D. - Effect of the shape of ingot ends on gripping conditions p. 439
Al'men, I. A., Lepshil, V. V., Ruvinskiy, S. M. - Analysis of the performance roll bearings on continuous mills p. 441
Mednikov, I. U., Gnn, G. I. A. - Metal pressure on the electrode of an electric welding machine in tube welding p. 445
Tselkov, A. I. - BHLS in West Germany for the manufacture of tubes having less than 150 mm in diameter p. 449
Perlin, I. L. - Analytical determination of pipe wall reduction during their expansion by drawing p. 455
Kazarmovskiy, D. S., and others - Highly resistant alloyed steel rails p. 458.
Ipslov, N. K. - Steels for pneumatic chisels, p. 465.
Rabshant, A. G., Sol'tis, V. A., Moiseev, V. F. - Heat treatment of spring alloys for use at high temperatures p. 468
Volobuev, N. A., and others - Increasing the performance of soaking nits in blooming mills p. 473
Zlotnikov, M. I. - Determining the initial diameter of rods for the production of narrow steel strip p. 476

Vol 27, no. 3, Mar. 1967

Table of contents translated.

Khokhlov, D. G., Komonikov, G. I. - Influence of the moisture and fineness of concentrates on the quality of charge mixing and sinter strength, p. 103.
Pokhvisnev, A. N., and others - Experience in heat treatment of sinter from ores of Kursk Magnetic Anomaly, p. 197
Kudolarov, M. S. - and others - Performance of blast furnaces with thin-wall stacks, p. 200
Leonidov, N. K., Klyagin, G. S. - Increasing the temperature of blast furnace blowing by shifting air preheaters to parallel work in pairs, p. 204.
Andronov, V. N., Sharkevich, L. D., Gulyga, D. V., - The Gruner principle, open to discussion, p. 207
Krashinsky, A. I. - The effect of the composition of the

Poltushev, A. P., and others - Slag for molten steel smelting from carbon pig-iron in converter, p. 216.

Chikov, N. A. - Alloying of steel in ladle with steel briquettes, p. 219.

Gorsten, V. B., and others - Casting of square cross-section ingots on UNRS (equipment for continuous casting of steel) equipment with mold grooves, p. 221.

Shmidt, P. G., Efremov, P. E., Kozlovskiy, G. - Influence of the location of radial ingot mold UNRS equipment (equipment for continuous casting of steel) on the quality of ingots, p. 223.

Dubrov, N. F., and others - Refining of white steel in the ladle with a slag forming mixture on gas blowing, p. 225.

Petrov, I. U., Lezov, I. U. A. - Threading of cast iron for ingot molds, p. 227.

Zarubin, N. G., Utkov, N. M., Bagmetov, N. - Improving the design of steel-pouring ladles, p. 229.

Zhalylin, V. I., and others - Smelting of electro-manganese-aluminum steel under lime-slag, p. 229.

Pirozhnikov, V. E. - Influence of the slag on the process in electric furnaces, p. 237.

Topilskiy, P. V., and others - Smelting of ferrocalcium and its use for deoxidation of steel, p. 239.

Kolbasnikov, M. P., and others - New developments in research, p. 239.

Chizhikov, I. U. M., and others - Manufacturing of iron slabs of continuous casting, p. 240.

Feldenzon, I. Z., and others - Manufacturing of lightweight I-beams, p. 244.

Lazarev, I. K. - Cold rolling of rectangular rods for piston rings in hot-dip-forming steel, p. 245.

Sharapov, I. A. - Influence of the geometry of the included passes on slip resistance to rolling, p. 247.

Chudko, P. I., and others - Selecting lubricant and hot plotting of round skelp, p. 253.

Popov, D. I., Samokhin, N. V. - New developments in research, p. 255.

Amel'eva, V. V., and others - Industrial production of rolled section with thermomechanical treatment of 40-type steel, p. 256.

Prokoshkin, D. A., Kalibabich, A. G., Sapozhnikov, A. - Influence of microalloying with rare earths on the stability of thermomechanical behavior of steel, p. 259.

Askinaiz, B. M. - Hardening of steel by electrochemical treatment, p. 263.

Kazarmovskiy, D. S., and others - Intensifying conditions of heat treatment of low-alloy low-carbon steel, p. 265.

Iudovich, S. Z., Sytkin, A. V., Polupova, V. P., and others - Certain properties and conditions of hot processing of stainless heat-resistant steels, p. 267.

Skolod, N. F., Chepuranov, V. I. - Main trends in visiting whole-sale pieces of ferrous metals, p. 269.

Barmov, O. A., and others - Automatic control of conditions of regenerative coating pits, p. 271.

Ramenskaya, E. S. - Operating metallic recuperator in metallurgical and machine-building plants, p. 276.

Sutotskin, G. P. - Water and chemical conditions in converter gas analysis, p. 280.

Krasnozhen, D. E. - Experience in using waste heat boilers for open-hearth furnaces, p. 281.

Kuznetsov, I. U. M., Usponchik, V. A. - Steam cycle for vacuum treatment of liquid steel, p. 283.

[illegible]

- Lovchuk, H. G., Lyskovskaya, V. T. - Enterprises are in need of technically substantiated standards for diesel locomotive fuel consumption. p. 33
- Ichedev, K. K. - Regularities in chemical composition of lowland peat soils. p. 31
- Dmitriyev, S. A., and others. - Additives to lubricants synthesized on a peat phenol basis. p. 37
- Solopov, S. G. - Turning over the pages of the semi-centennial history of peat industry; 1917-1967 (to be continued). p. 41
- Chaitkov, V. I. - Fire extinguishers with 4K-6 centrifugal pumps and PSL-2 wheel shafts. p. 46
- Timonov, S. N., Solopov, S. G. - In memory of Prof. Evgenii Stepanovich Menshikov, on the occasion of the 40th anniversary of his death. p. 47
- Peli, Nikolaevich Churayev, obituary. p. 48
- Georgii Dmitriyevich Danilov, obituary. p. 48
- Gavril Ivanovich Khimov, obituary. p. 49
- TRANSPORT I KHRANENIE NEFTI I NETTEPRODUKTOV [TRANSPORTATION AND STORAGE OF PETROLEUM AND PETROLEUM PRODUCTS].** Issued by Gosudarstvennyi komitet nefteobrabatovshchey promyshlennosti pri Gosplane SSSR and Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po nefliam, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for petroleum production, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 3, 1967
- Table of contents translated
- Kazubov, A. I. - Using telescopic petroleum pipelines for pumping viscous petroleum. p. 3
- Gubin, V. E., Emkov, A. A. - Coagulative properties of solubilized solution of sulfonol. p. 5
- Vasil'ev, M. P., Eliseev, M. I. A. - Characteristics of building petroleum pipelines in Western Siberia. p. 8
- Fil'kov, A. V., Kachalin, V. M. - Calculating the amount of petroleum and petroleum products transported in pipelines. p. 10
- Krasner, G. B. - Securing uninterrupted communication during thunderstorms. p. 11
- Martynov, A. P. - Revision of norms for expenditure of material resources for overhauling line portion of pipelines. p. 13
- Dzhibelli, V. S. - Problems of modernization of tank car loading racks. p. 18
- Lamin, D. V. - Methods for centering pontoon with tank body. p. 22
- Malysheva, I. V., and others. - Evaporation losses of petroleum products from deepened trench-type tanks. p. 24
- Malyshev, V. A., Savitskii, V. D. - Problems of training and raising qualifications of specialists in petroleum supply industry. p. 28
- Shevelev, V. S., Bvshov, N. V. - Machine for cleaning pipelines from rust and applying primer in overhauling. p. 31
- Chubin, P. I. - Applying adhesive tapes for insulating petroleum pipelines. p. 33
- Strokin, N. V. - Experience in assembling pontoon in operating tank. p. 34
- Nikitenko, E. A. - Device for vacuum impregnation of transformer coils of network cathodic stations. p. 36
- *TSVETNYE METALLY [NONFERROUS METALS].** Organ of Ministerstva tsvetnoi metallurgii SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva tsvetnoi metallurgii [Ministry of Nonferrous Metallurgy of the U.S.S.R. and the Central Administration of the Scientific Technological Society of Nonferrous Metallurgy]. Moscow, vol. 34, no. 7, July 1961
- Table of contents translated
- Nagachenko, V. A. - Treatment of lead-copper-zinc pyritic sulfide ores containing secondary copper sulfides. p. 1
- Bogdanov, O. S., Kizeval'ter, B. V., Khamanov, V. I. A. - Effect of the speed of pulp flow in flotation machines on the line of flotation. p. 4
- Perkalova, V. I. - Drawing-up the balance of metals in ore dressing plants. p. 11
- Shumkov, O. A. - Greater accuracy in the definition of recovery in establishing the balance of metals in ore dressing plants. p. 14
- Rubinchuk, I. A. - Effect of the accuracy of analysis on the balance of metals. p. 16
- design on aluminum electrolytic cells. p. 50
- Shapiro, K. I. A. - Ways of producing ammonium molybdate from solutions with a high content of sodium sulfate. p. 57
- Boisenko, L. F., Kaganovich, S. I. A. - Scandium in various kinds of jaw minerals. p. 61
- Bolez, A. A., Korol', V. K., Perlin, L. L. - Industrial preparation of bimetal strips of zinc alloy and amec iron. p. 65
- Zinzev, V. L., Okunev, A. I., Zagrebai'nyi, B. N. - Electric conductivity of copper ingots. p. 70
- Fishov, A. I. A., Alter'eva, N. A., Mkiyechan, A. A. - Processing slags from the smelting of secondary aluminum alloys. p. 76
- Shabashov, I. A. F., and others. - Lining high frequency furnaces for the smelting of copper-chromium adhesion alloys. p. 1
- Skorov, V. A., Sobol', S. I. - Preparation of bismuth from treatment tailings of tungsten ore dressing products. p. 10
- Goiokh, A. V., and others. - Mineral composition and causes of scale formation in the Waelz furnace at the Chelyabinsk Zinc Plant. p. 28
- Karotova, V. D., Loskulov, F. M. - Reduction of ash of zinc residues in a fluidized bed. p. 33
- Shakhmatov, A. K. - Remarks on the article entitled "Principles of furnace improvement for nonferrous metallurgy." p. 41
- Korochov, M. A., Tsyplakov, A. M., Timchenko, B. I. - Efficient design of the cathode arrangement of aluminum electrolytic cells and calculation of the voltage drop. p. 13
- Nikiforov, V. P. - Ways of improving the cathode Nagilni, V. M., Timoshenko, K. D. - Zinc recovery from industrial wastes. p. 85
- Viktorianskii, S. A., and others. - Reclamation of molybdenum scrap. p. 87
- Chernykh, S. I. - Eluvation of pulp and ore dressing products by pulp classifiers and block pumps. p. 89
- Shlenger, A. V. - Metal detectors in ore dressing plants. p. 91
- Filov, V. A. - Results of the competition on dust removal in crushing and conveying plants of the nonferrous metal industry. p. 93
- New technical publications. p. 96
- Prikhod'ko, V. L. - Development of continuous casting of aluminum in capitalist countries. p. 99
- UGOL' [COAL].** Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 42, no. 4(493), Apr. 1967
- Table of contents translated
- Toward the 50th anniversary of the Great October. p. 1
- Kagan, P. I. A. - Summarized results of the first year of five-year plan, and main objectives of mine building for the anniversary year. p. 6
- Ignat'ev, B. N., Stoleiman, S. S. - The Vorkutugol' Combine is ready for the 50th anniversary of the Soviet rule. p. 9
- Semikobyl', G. S. - Coal of central Siberia. p. 11
- Voronov, K. P. - New look of the oldest coal mine of Kuznetsk Basin. p. 15
- Gorbachev, D. T. - Mine transformed by the Great October. p. 17
- Omeltchenko, A. N. - The All-Union Scientific Research Institute for Mining Geology and Mine Surveying in the years of Soviet rule. p. 20
- Liv, I. U. S., Gmyen, M. M., Gorlanov, V. V. - Method of planning estimated prices, and algorithm of their determination. p. 24
- Dusitskii, G. I. A. - Preparing the changeover of coal industry to the new system of planning and economic incentives. p. 27
- Shchedov, A. E. - Determining dimensions of panels in mining very deep flat and inclined seams in conditions of intensification and concentration of coal mining operations. p. 32
- Olsov, A. A. - Classification of roof conditions in slopes. p. 37
- Prokof'ev, N. N., Komissarov, S. V. - Drainage beyond mine contours in mines of Novomoskovskugol' Trust. p. 39
- Mel'nikov, N. N. - New ESh-10/70A walker dragline; changes in design, and its use in open-pit mine operations. p. 42
- Slyrenko, K. K., Gurevich, A. B. - Diesel-trolley locomotive transportation at the "Sibirskinskii" Open-Pit Coal Mine in Kuznetsk Basin. p. 49
- Shumelko, G. M. - Mining blind drifts by walking excavators. p. 51
- Kuritsyn, B. I., and others. - Behavior of lateral rocks during operations of powered supports in steeply pitching coal seams. p. 53
- Druzhinin, V. I., Zheleznovskii, V. K. - Interaction between powered supports and roofs. p. 57
- Chernov, O. I., Volodskii, V. A., Puzryev, V. N. - Certain recommendations to the effect of increasing efficiency of coal seam wetting. p. 58
- Panov, G. E., and others. - Experience in multiple injection of air-water mixtures and water into coal seams. p. 63
- Oslipov, I. U. A., and others. - Selecting optimum characteristics of pumps for injecting water into coal seams. p. 65
- Chernikov, A. I. - Introducing X-ray methods for determining ash-content in coals of Kirghizistan mines. p. 67
- Rapopot, P. I. - Seminar on network planning and control systems in coal industry. p. 72
- Timofeev, O. V. - Interbranch conference on problems of using anchor bolting in mining industry. p. 74
- Khodot, V. V. - International Congress on Problems of Sudden Outbursts of Rocks, Coal, and Gases. p. 75
- UGOL' UKRAINY [COAL OF THE UKRAINE].** Issued by Gosudarstvennyi komitet Sovetskoi Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, vol. 11, no. 1, Jan. 1967
- Table of contents translated
- Satukhian, S. A. - Objectives of the anniversary year. p. 1
- Fifth anniversary of the periodical "Ugol' Ukrainy", 1957-67. p. 3
- Litvinov, I. S. - Opening and developing steep seams of the central region of Donetsk Basin. p. 9
- Nekrasov, I. A. E., Nekrasov, P. M., Skobelev, L. F. - Wire-rope sawing machine for mining steep medium-thick outcrop coal seams. p. 10
- Imas, A. I., Pitsarev, N. F., Nikolaev, A. F. - Forecasting physicochemical properties and breakability of Donetsk Basin coals and enclosing rocks. p. 12
- Kobzin, B. I. - Analyzing conditions of metallic hinged roof caps for individual supports. p. 15
- Gubanov, A. A., Moizov, E. G., Boiko, V. K. - The open-end and down-the-pitch mining system with draw cross holing mined by KG mechanical and hydraulic cutters-to-diers. p. 17
- Popli, I. A. S. - The Khivoy Rog Central Coal Preparation Plant is operating with the new system of planning and economic incentives. p. 19
- Kapenko, G. V., Red'ko, I. P. - First results of operations with the new economic system. p. 20
- Krapchikov, I. S. - The "Lutynskaya-Severnaya" Coal Mine is operating under new conditions. p. 23
- Piliukhanov, L. S. - Improvement of planning and economic incentives is on the agenda. p. 26
- Ivanov, A. A., Nosov, G. R., Brazhnikov, I. A. - Radio wave equipment on boring machines for controlling hidden boundaries of coal and rocks. p. 27
- Dimitskiy, K. V. - Hydrostatic densitometer for coal-water mixtures. p. 28
- Chubakov, V. I., Sidorenko, I. T. - Give road trolleys to mine electric locomotives. p. 30
- Lukomskii, I. U. P., Latashin, I. A. K. - Adjusting the RDBV (RDBG) control system of automated hoisting machines. p. 31
- Shparber, P. A. - Using hydraulic feeding of rocks. p. 32
- Balinskii, B. A., Gorbovets, A. V., Khadov, A. G. - Calculating statically indeterminate space structures by "MINSK-12" electronic computers. p. 34
- Ait'er, S. Z., Shestakovskii, B. M. - Central Scientific-Research Laboratory. p. 36
- Semkin, I. I. - No more waste piles. p. 39
- Ryzhenko, I. A. - Depth of ventilation control in longwalls and mining sections by gas factor, and certain characteristics of ventilation control in double walls. p. 40
- Shalenskiy, V. G., Margolin, I. U. A., Dolina, L. F. - Using DB wetting agent for intensification of de-watering coal concentrates. p. 44
- Podpruzhnikov, V. I. - Analyzing the grade improvement of anthracite produced by pitting. p. 45
- Grigor'ev, L. K., Lavchenko, V. V. - Reconditioning vertical shaft linings by gunning with the aid of BM-60P machines. p. 46
- Coal industry of the Ukraine in the 3d quarter of 1966. p. 52
- The 4th Plenum of the Central Committee of the Trade Union of Coal Industry Workers. p. 53
- Borychev, N. I. - Introduce with more determination the new technical means respecting safety. p. 54
- Rosenberg, F. I. A. - All-Union school on coal pitting. p. 54
- Dudko, V. A. - Scientific-technological conference on scientific organization of work in coal mines of the Kirovugol' Trust. p. 56
- At the Scientific Technological Council of the Ministry of Coal Industry of the Ukrainian S.S.R. p. 56
- Smooth blasting of hard rocks in major workings in coal mines. p. 13
- Sevrikov, V. V., Aleksandrov, V. E. - Determining

- Belikov, G. I., and others. - The "Dunbas" Scientific Center. Dnepropetrovsk-Golub Coal Mine. Dnepropetrovsk Trust. p.28.
- Belikov, G. I., and others. - Efficient use of free energy of the explosion of rock with mounted electric drill. p.32.
- Belikov, G. I., and others. - Hard-alloy cutting tool for the drill. p.33.
- Belikov, G. I., and others. - Experience in draining "Semi-pit" coal mines. p.37.
- Belikov, G. I., and others. - Trends in using Dnepropetrovsk for manufacture of coke with the use of the correct use of the operational conditions of the blast. p.39.
- Belikov, G. I., and others. - Economic effect of the use of the quality of anthracite coal mixed with the use of the blast. p.40.
- Belikov, G. I., and others. - Causes of the occurrence of sudden rock bursts in working deep coal mines. p.41.
- Belikov, G. I., and others. - Tretych, I. G. - Effect of the decomposition of worked-out section of the "Dunbas" Basin coal mines. p.43.
- Belikov, G. I., and others. - Mathematical model of the transient aerodynamic processes in coal mine workings. p.47.
- Belikov, G. I., and others. - Coal and oil shale deposits in the Ukraine. p.49.
- Belikov, G. I., and others. - Unjustified recommendation of the Central Specifications and Regulations Bureau on the use of the type of shaft linings. p.52.
- Belikov, G. I., and others. - Selecting efficient methods of hanging the shafts in sinking deep shafts. p.53.
- Belikov, G. I., and others. - At the seminar on scientific organization of work in coal mines of Dnepropetrovsk Trust. p.55.
- Belikov, G. I., and others. - At the Ministry of Coal Industry of the Ukrainian S.S.R. p.57.
- Belikov, G. I., and others. - Fifth International Congress on Mining. p.58.
- Belikov, G. I., and others. - Table of contents translated. p.59.
- Belikov, G. I., and others. - Mine hoisting machines in the Donetsk Basin. p.61.
- Belikov, G. I., and others. - New equipment for coal miners. p.63.
- Belikov, G. I., and others. - Methods of mining flat and inclined coal seams by mechanized long faces. p.65.
- Belikov, G. I., and others. - Araladzev, A. M., Nikitenko, G. G. - Long-range planning of expanding mining operations in operating coal mines, drawn up by the method of linear programming. p.68.
- Belikov, G. I., and others. - Andriushchenko, V. N., Ivashin, V. M. - Changes in filtering properties of coal seams under the effect of rock pressure. p.71.
- Belikov, G. I., and others. - Adopting the diagonal pillar system of mining in hydraulic mines. p.73.
- Belikov, G. I., and others. - Communion of coal during pressureless hydraulic conveying in hydraulic mines. p.76.
- Belikov, G. I., and others. - Coal prices and economic reform. p.78.
- Belikov, G. I., and others. - Economic reform and scientific organization of work. p.82.
- Belikov, G. I., and others. - Zhabov, V. E., Shiroko, I. S., Bredun, O. P. - Forms of work organization in cutter-loader mined longwalls of steep coal seams. p.85.
- Belikov, G. I., and others. - Protection of public property in the basis of increasing industrial efficiency. p.87.
- Belikov, G. I., and others. - Ten thousand tons of coal in a month with the "Kirovets" cutter-loader. p.89.
- Belikov, G. I., and others. - Abramenko, T. F. - Efficient organization of waste rock disposal in coal mines and coal preparation plants of Donetsk Basin. p.90.
- Belikov, G. I., and others. - Gurbashev, V. V., Smorodinski, E. L., Novak, T. S. - Investigating performance conditions of metal swing arm structures on transporter bridges of the Yurkovskii Open-Pit Coal Mine. p.92.
- Belikov, G. I., and others. - Levin, I. L., and others. - Hydraulic shufflers for UST piers. p.94.
- Belikov, G. I., and others. - Finkel'shteyn, Z. L. - The LG hydraulic winch. p.95.
- Belikov, G. I., and others. - Kollarevskii, G. P. - Increasing the quality of reconditioning and service life of mining equipment. p.96.
- Belikov, G. I., and others. - Panov, G. E., Suslov, V. V. - Dust control by forcing in air and water mixtures. p.97.
- Belikov, G. I., and others. - Krivoruchko, A. M., Brushlinsky, I. Kh. - Important potentialities for bettering heat conditions in deep Donetsk Basin coal mines. p.99.
- Belikov, G. I., and others. - Simonenko, N. P., and others. - Selecting a method and network for the ventilation of the hard-to-aerate No. 63 Coal Mine. p.101.
- Belikov, G. I., and others. - Korzhagin, L. V., and others. - Using "polls" [ethylene polymer oxide] for purifying slime waters of coal preparation plants. p.103.
- Belikov, G. I., and others. - Druzhinina, N. I., Tuzman, A. A. - Economic advantages of mechanized rock sampling in coal mines. p.104.
- Belikov, G. I., and others. - Onishchenko, I. U., Zubarev, I. U. - Morphology of the mass of sedimentary rocks. p.106.
- Belikov, G. I., and others. - Belikov, P. F., Nechushko, G. M., Mazurenko, V. V. - Nomograms for industrial calculation of coal mine drainage installations. p.109.
- Dmashko, A. D., Novikov, A. F. - Determining the actual radius of rope rounding of deflector pulleys taking into account elastic deformation of the lining. p.11.
- Drobnitsa, V. F., Drebnitsa, A. V., Nizhnik, I. P. - Dust control in coal mines of Czechoslovakia. p.11.
- Bezduk, A. K., Dudko, V. A. - Improving the equipment for mining thin seams in Ostrova-Kavina coal basin. p.15.
- At the collective of the workers of mining and coal mining machinery construction. p.16.
- VOPROSY BEZOPASNOSTI V UGOL'NYKH SHAKHTAKH [SAFETY PROBLEMS IN COAL MINES]. Issued by Vostochnyi nauchno-issledovatel'skii institut po bezopasnosti rabot v gornoi promyshlennosti [Eastern Scientific Research Institute for Mine Safety]. Moscow, vol. 7, 1966.
- Table of contents translated
- Surkov, A. L., and others. - Causes of the formation and measures for the removal of methane accumulation layers in horizontal workings. p.3.
- Komkov, N. S., Zubanov, A. G. - Influence of "diagonals" on characteristics of a ventilation system at the points of junction of fans working in parallel. p.13.
- Maslovskiy, A. A. - Ventilation of mine workings in an overall mechanization of stoping operations. p.10.
- Maslovskiy, A. A. - Ventilation of slopes during coal mining with wire line saws and by borehole blasting methods. p.26.
- Kolokolov, L. D. - Effect of the airflow variations on gas conditions in mining areas. p.37.
- Bogdanov, G. G., Khranitsov, K. V. - Successive ventilation of slopes during mining of steeply pitching seams in Kuznetsk Basin. p.52.
- Bogdanov, G. G. - Ventilation of hydraulically worked faces in Kuznetsk Basin coal mines. p.60.
- Efremov, K. A., Pelenev, V. N. - Actual gaseousness of Kuznetsk Basin coal mines, and results of the analysis of forecasts of gas conditions. p.67.
- Prolygin, D. M., Dubov, G. P., D'achkov, A. I. - Controlling gas emanation during hydraulic mining of coal in the Kuznetsk Basin. p.83.
- Chernov, O. I., Puzyrev, V. N. - Principles of the method of an overall control of gas emanation, sudden outbursts of coal and gas, spontaneous fires, rock bumps, and coal dusts in mines. p.91.
- Khavova, V. I., Aksenova, E. M., Gordeeva, T. I. - Investigating prophylactic mixtures for preventing spontaneous fires. p.138.
- Khavova, V. I., Aksenova, E. M. - Absorption of oxygen by dry and moistened coal, previously saturated with methane. p.146.
- Seleznev, A. A. - Results of investigating the effect of moistening on the process of oxygen absorption by degassed coal. p.152.
- Lazarevich, V. K. - Influence of coal moistening on changes of indices of the initial rate of gas discharge. p.157.
- Murashov, V. I. - Effect of the wetting of a coal mass on its state of stress. p.159.
- Vologodskii, V. A., Mirchun, A. V. - Influence of rock pressure on the penetration of fluids into coal. p.167.
- Mironov, N. P. - Process of spontaneous motion of liquids in coal. p.172.
- Rozantsev, E. S., Umrikhin, A. N., Vasin, G. S. - Opening of coal seams susceptible to sudden outbursts of coal and gas with the aid of vertical shafts. p.177.
- Petrov, I. P., and others. - Reducing air dustiness during borehole drilling with cut-through drills. p.185.
- Likhachev, I. A. - Overall dust removal from the atmosphere in coal faces of development workings during blasting and boring mining method. p.189.
- Chernov, I. N., Maslov, I. U. - Conditions determining the parameters of internal borehole stemming. p.195.
- Chernov, I. N., Maslov, I. U. - Estimating the disruptive effect of borehole charges. p.203.
- Kaimakov, A. A., TSaregorodtsev, A. G. - Effect of finish smoothness of surfaces on interconnecting parts of explosion-proof sheathing on cooling of explosion products. p.207.
- Kaimakov, A. A., Bauer, A. N. - Characteristics of the lowering of temperature of the products of methane-air mixture explosion in interconnected sheathing of explosion-proof electric equipment. p.215.
- Konarov, V. S. - Factors influencing the inflammability of explosive gas mixtures by electric spark. p.220.
- Kashitsyn, G. E., Tytyshnyi, P. I. - Controlling insulation conditions in mine networks of up to 1,000 v. p.227.
- Trunov, V. B. - Efficiency of explosion-proof couplings with flexible cushion pads. p.233.
- Trunov, V. B., Khitov, A. I. - Explosion-proof properties of oil-filled apparatus. p.239.
- Genkin, S. R., Saracov, S. P. - Fire-extinguishing properties of fire barriers. p.240.
- Prudnikova, L. A. - Properties of plastics used in automation equipment for dangerously explosive surroundings. p.252.
- Chernov, R. I., Makovcev, N. I. - Analyzing methods of joining ends of rubberized-rope bells. p.259.
- Bozzykh, A. F., Basov, V. N., Kuzovkin, V. A. - Calculating the length of baking distance for mine trains depending on their weight. p.265.
- VOPROSY RUDNICHOGO TRANSPORTA [PROBLEMS OF MINE HAULAGE]. Issued by Dnepropetrovskii gornyi institut [Dnepropetrovsk Mining Institute]. Moscow, no. 9, 1965.
- Table of contents translated
- Pollakov, N. S., and others. - Scientific and technical problems of the dynamics of resonance-type vibrators. p.5.
- Krikov, B. I. - Dynamics of resonance vibrating conveyors with essentially nonlinear characteristics of flexible couplings. p.10.
- Pohraev, V. N., Frankuk, V. P. - Determining the rigidity and energy dissipation in pneumatic buffers of vibrating conveyor and aerocaps. p.24.
- Kolukov, B. I., Novikova, N. D. - Determining causes of existing conditions in vibrating conveyors. p.32.
- Bakholdin, B. A., Krikov, B. I., Mazai, Z. D. - Approximate method of determining average speed of vibrating conveying of bulk material. p.37.
- Bilichenko, N. I. A. - Certain shortcomings in modern calculations of belt conveyors. p.42.
- Leskevich, V. I. - Slip in starting belt conveyors. p.48.
- Bilan, I. E., Pilyanovskiy, R. A., Kovalenko, V. A. - Investigating physicochemical processes of the rubber coating of conveyor belts. p.54.
- Bilan, I. E., Pilyanovskiy, R. A. - Strength of the belt between layers of rubberized fabric conveyor belts. p.62.
- Belotserkovskiy, A. M. - Reliability of the system of belt conveyors on KGT-1000-2 relay equipment of complexes. p.77.
- Kudlov, I. V. - Vibration of the gliders of supports in structures of transport bridges. p.89.
- Smirnov, V. K., Kiri, V. P. - Calculating the dynamics of scraper conveyors. p.91.
- Rykhalskiy, I. U. A. - Effect of study on the strength of links on circular-link chains. p.105.
- Shvedskiy, E. M. - Determining the rigidity of flat long-link chains. p.112.
- Shokman, I. G. - Theory of conveying ferromagnetic loads by magnetic fields. p.122.
- Bokseman, I. U. A., Rutimov, V. F. - Movement of loose ferromagnetic loads in handling magnetic fields. p.127.
- Vysochin, E. M., Shpakunov, I. A. - Calculating bearing assemblies of belt conveyor rollers. p.173.
- Pollakov, N. S., Zadorozhnyi, V. V. - Operational reliability of electric locomotive transport in open-pit coal mines. p.140.
- Rengovich, A. A., and others. - Calculating stresses in 3VO-10m car frames. p.147.
- Kuznetsov, B. A., Trush, I. I. - Calculating angles of deflection for the couplings of mine rolling stock. p.159.
- Novikov, E. E. - Effect of the contamination of lubricants on the resistance factor value of mine railroad car bearings. p.171.
- Mekhreda, M. K. - Baking of mine rails. p.175.
- Dylla, A. K., Zhukovskiy, V. I., Reznikov, V. D. - Investigations on stresses occurring in mine railroad car couplings with the aid of continuous electronic calculating-machines. p.188.
- Shitov, P. M., Suslov, A. A., Danilov, P. S. - Studying the effect of chemical composition of materials used in making barrels for mine electric locomotives upon their wear. p.194.
- Sidorenko, I. T. - Electric resistance of mine rail tracks taking into consideration shunting influence of the earth. p.203.
- Khilston, V. I., Shcherbakov, M. I., Chigirinskii, S. E. - Using electric drive for mine locomotive-type locomotives. p.213.
- Drobnitskiy, L. M. - Testing parachutes of VT railroad cars. p.221.
- Shramko, I. A., and others. - Tension of conveying rope of DK-1m rope haulage ways. p.227.
- Polulanskiy, S. A., Savitskiy, I. U. P. - Testing actuating mechanisms on PML-5 loading equipment using electronic digital computers. p.238.
- Iushin, V. V., and others. - Results of stand testing of DPP-15 and MP-18 air engines for rock loaders of the "Kommunist" Plant. p.268.
- Iushin, V. V., Kukharenko, V. P., Galitskiy, A. F. - Engineering method of converting piston air engines for various pressures of compressed air in the system. p.263.
- Karpilenko, M. I., Savitskiy, I. U. P. - Dynamics of the working element of rock loaders with articulated handles. p.269.
- Karpilenko, M. I., Dikhtlar, A. A. - Determining stresses in moving gears of bucket loaders. p.276.
- Khazanovich, G. Sh., Ivanov, O. P. - Determining losses of energy, and selecting the power of propelling asynchronous motors on bucket loaders. p.287.
- Gagin, O. D., Ivanov, O. P., Silina, V. G. - Certain problems in the theory of interaction between bucket of loading mechanism and the rock. p.298.

VSESOIUNZNIY NEFTEGAZOVYI NAUCHNO-ESSLEDOVATELSKIY INSTITUT. Nauchno-tekhnicheskiy sbornik po dobyche nefi [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Scientific and Technical Papers on Petroleum Production]. Moscow, no. 30, 1966.

Table of contents translated
Pykhova, N. G. - New data on palynological characteristics of lower part of Pashya sediment in Shkarpovo field and their use for detailed correlation. p. 3.

Babal, V. S. - Limestones of micromodular structure in Kizel sediments of Bashkiriya, their genesis and reservoir properties. p. 6.

Dvoikin, L. B. - Method for plotting structural maps with evaluation of accuracy. p. 11.

Kazymov, A. Sh. - Movement of boundary line of liquids in eccentrically situated well. p. 17.

Abramov, I. U. S., Kals, R. M. - Equations of boundary line movement of two incompressible fluids in porous medium in three-dimensional flow. p. 21.

Bondarov, E. A., Nikolaevskii, V. N. - Formulating theoretical problems of flow of homogeneous fluid in fractured porous media. p. 29.

Testluk, E. V. - Studying the dynamic regime in hole of operating wells. p. 33.

Surguchev, M. L., Maslantshev, I. U. V. - Effect of capillary penetration on indices of flooding of nonuniform layers. p. 41.

Bokseiman, A. A., Naglev, A. M., Sherstnikov, V. F. - Approximate calculation of indices of oil-gas pool development taking into account gas segregation. p. 48.

Alshayev, M. G., Gubanov, B. F. - Determination of reservoir parameters based on self-flow curve of well. p. 53.

Serednitskii, L. M. - Methodology for calculating optimum volume of solvent fringes in bedded nonuniform layers. p. 57.

Kovalov, A. G., Borlsav, B. F. - Displacement of viscous oil by water from two interconnected layers. p. 62.

Suvorov, N. I. - Prospects for using high-pressure gas in developing oil fields in Soviet Union. p. 66.

Trebin, G. F., Abegauz, I. M., Kapylin, I. U. V. - Using photoelectric colorimetry for investigating petroleum. p. 71.

Maksimov, M. M. - Solving initial conditions in solving problems by electric models. p. 74.

Skvortsov, V. V., Il'ina, A. V., Khamitova, E. S. - Calculation of correlation functions of hydraulic conductivity and well production in nonuniform layers using Monte-Carlo method. p. 75.

Konienko, G. L., and others. - Experimental studies of depletion of inclined reservoir in gravity-gas drive. p. 82.

Kornov, M. Z. - Determining minimum concentration of methane homologs in injected gas during critical oil displacement. p. 87.

Belinskii, D. A., Sinil, L. L. - Studying gas-liquid phase transition in porous medium. p. 91.

Boisov, I. U. P., and others. - Using method of dynamic programming for calculating optimum distribution of oil production between various installations. p. 96.

Bobel'uk, V. P., and others. - Improving technology of controlling liquids and their selective pumping into reservoir with varying permeability. p. 100.

Bobel'uk, V. P., Romanuk, F. I. - Comparative evaluation of results of completion of wells drilled by use of muds subjected to comparative analysis. p. 103.

17. MILITARY & NAVAL SCIENCES

a MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravleniye Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 48, no. 8, Apr. 1967.

Table of contents translated:
Editorial: The great and well-deserved victory. p. 3.

Orshakov, V. - Businesslike approach is characteristic of the "Leninist style" of work. p. 8.

Kiluev, S. - Economic victory of the U.S.S.R. in the Great Patriotic War. p. 16.

Komarovsky, A. - Military builders in the year of the anniversary. p. 24.

Kulakov, N. - Heroism is the natural behavior of the Communists. p. 29.

Belous, N. - People of noble duty. p. 36.

Prozhan, T. - The toughening of servicemen during the war games. p. 42.

Tataronko, A. - Methodological problems of the guidance of armies. p. 47.

Sobolev, M. - Ideological work of party organizations. p. 55.

Korobelnikov, M. - Psychological training of servicemen. p. 62.

Ivanov, I. - There should be an individual approach to each serviceman. p. 68.

Marxism-Leninism on social development. p. 72.

Mallanchikov, S. - "Leninist" strategy of the Don Government. p. 80.

Krutchkov, F. - How to prepare a wall newspaper. p. 85.

Can the veterans of war and labor present the cards of the Komsomol to its new members? p. 88.

From the editor's mail. p. 89.

In military districts and fleets. p. 94.

NASHI VESTI [OUR NEWS]. Published by Sotuz chinov Russkogo knipusa [The Association of Members of the Russian Corps]. New York, vol. 23, nos. 252-253, June-July 1967.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravleniye Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 49, no. 5(1073), Mar. 1967.

Table of contents translated
Everyone to the polls! p. 2 of cover.

Ivanov, B., Turchenko, R. - Messengers of the people. p. 2.

The course toward socialism. p. 3.

Dimont, L. - For life's sake. p. 4.

Zakharov, I. U. - At a post. p. 6.

Burykh, A. - Before a jump. p. 8.

Antonov, S. A. - Our own house. p. 21.

Shestakov, N. - Parachutes opened at night... p. 29.

Maksimovich, G. - Does thirst threaten us? p. 34.

Peredel'skii, V. - Passage is permitted. p. 37.

Gabbar, V., and others. - What concerns us. p. 42.

Rozanova, I. U. - The sun of Ukrainian music. p. 44.

Dressel, R. - 24 minutes. p. 46.

Vol. 49, no. 7(1075), Apr. 1967.

Table of contents translated:
Ishchenko, I. - Stronger than steel. p. 2.

Turchenko, R. - Loaders. p. 3.

Finlin, V. - It is time for you to take over watch duty, combat training is being carried out. p. 5.

Krutov, P. - The word of truth. p. 18.

Prokof'ev, G. - Loyalty to the revolution. p. 18.

Lukashkevich, V. - Stars over the hills. p. 20.

Kirikhin, A. - Come to Balakovo. p. 24.

Overina, N. - Fiftieth anniversary year. p. 26.

Chernykh-Didenko, I. U. - Constellations of the Donbass. p. 28.

Kuznetsov, V. - It is not only a matter of the accordion. p. 30.

Dolmatovskii, E. - First Soviet songs. p. 40.

Borakhsostov, V. - Sports for the keen-eyed. p. 42.

Botadzhiev, Ogntan - Flies of Kremkovskiy. p. 44.

Khagaz'tan, K. - Shadows of the past on the Rhine. p. 46.

*TEKHNIKA I VOORUZHENIE [TECHNOLOGY AND ARMAMENTS]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 25, no. 1, Jan. 1967.

Table of contents translated:
Under the banner of Lenin's party. p. 1.

Sokolov, M. - Our country's rockets. p. 2.

Voinov, I. U. - Creator of combat rockets. p. 6.

Kuznetsov, L. - Discerning automata. p. 10.

Pankratov, R., Mikhailov, V. - Telecode communication along telephone channels. p. 14.

Koriatin, G. - Preservation of engineering and automotive equipment. p. 16.

Dubin, M. - Degree of precision. p. 18.

Doroshin, V. - Russian, Katel'nikov's, the first model. p. 19.

Kholodukhin, V. - Success is natural. p. 20.

Petrushin, M. - Well done, automobile repairmen! p. 20.

Potsekhov, B. V. - The U.S.S.R. Exhibition of National Economic Achievements; anniversary year. p. 22.

Ispolotov, I. U., Lavrov, O., Iamschikov, A. - A busy truck train. p. 24.

The Gorky automobile plant is 35 years old. p. 26.

Maslennikov, G. - Warning signals. p. 28.

Komarov, N. - Film studio for automobile drivers. p. 30.

Savchenko, A. - Protection from penetrating radiation. p. 32.

Kotian, B. - Statistics and reliability. p. 34.

Schastnyi, N., Kiselev, A. - Toward new achievements. p. 36.

Relay race of innovators. p. 38.

Morozov, K. - Cosmic weapons. p. 42.

Technology, weapons. p. 43.

Vol. 25, no. 2, Feb 1967.

Table of contents translated:

Zakharov, M. - A true guard of the fatherland. p. 1.

Sladkevich, B. - Rationalization of instruction. p. 4.

Kozhedub, I. - Nesterov's heirs. p. 6.

Izhar, A., Fedorov, B. - Quantum locating devices. p. 8.

Shirshov, L. - In the zone of a nuclear explosion. p. 12.

Novitskii, L. - A vacuum dries. p. 12.

Syropatov, V. - A plan for providing equipment. p. 14.

Belonovskii, A., Pavlichuk, K. - Stabilization of armament. p. 16.

Rosov, I. U. - Communications equipment in winter. p. 18.

Kuvantov, G. - A meritorious inventor. p. 20.

Competition is concluded. p. 21.

Zinger, G. - Speed of movement. p. 22.

Tolodin, N. - Electric speedometers. p. 24.

Kuklin, M. - How to make film strips. p. 26.

The division antitank gun. p. 28.

Rudnitskii, M. - The first, Russian. p. 29.

Mikheev, N. - The practice of radio measurement. p. 30.

Staroselskiy, V. - Optimization of network schedule graphs. p. 32.

Skolnikov, G. - Documentation and reliability. p. 34.

Lavrinov, I. - Planning transportation. p. 36.

Bykovskii, I. U. - Solid state physics. p. 40.

Dontsov, V. - Psychology for engineers. p. 44.

Lubimov, V. I., Arkin, A. - Universal factors. p. 46.

Vol. 25, no. 3, Mar. 1967.

Table of contents translated.
The word of the Party is an inspiration. p. 1.

Prokhorov, B. - Makers of ammunition. p. 2.

Mobile technical and operating section. p. 4.

Starostin, V. - Vertical takeoff. p. 6.

Sergeev, N. - Automatic control. p. 8.

Nazarin, G. - Universal gas-shielded electric welding shop. p. 10.

Durovin, A. - A ship leaves the repair shop. p. 14.

Avchenkov, B., Suvorovskii, E., Motsekenov, N. - Cold working increases reliability. p. 16.

Kon'kov, N. - Inspired labor. p. 20.

Fedorov, B., Khochkovskii, G. - Radiomen at the start. p. 22.

Sukhorukov, K. - The working area. p. 24.

Birdakov, S. - Rocket-bearing, long-range aircraft. p. 26.

Rovinskii, A. - A promise to accidents. p. 28.

Efimovskii, E., Sokur, P. - Servicing of equipment. p. 30.

Vinogradov, P. - Constant production. p. 32.

Nesteruk, V. - Landing of helicopters. p. 34.

Relay race of innovators. p. 36.

Polkovnikov, I., Chistakov, V. - Electronic switching stations. p. 40.

Technology and arms. p. 40.

Pavlov, M. - Electrical finishing of metals. p. 44.

Chuguev, I. - In a distant garrison. p. 44.

Nevskiy, V. - There are no trivial details in servicing of machines. p. 46.

Belyshev, A. - An evaluation of skill is needed. p. 47.

Vol. 25, no. 4, Apr. 1967.

Table of contents translated:

Loyalty to Leninism. p. 1.

Frankin, A., Medvedkov, V. - From an armored car of the revolution. p. 2.

Nagayev, G. - Creator of the Shpagin submachine gun. p. 5.

Krivonoz, D. - Continuous power supply units. p. 6.

Nikolayev, V. - Protecting antenna systems. p. 8.

Lipatov, A. - Ferrite devices. p. 10.

Nitsberg, L. - Paint and varnish coverings. p. 12.

Agrenich, A. - Unified system of structural documentation. p. 14.

Vartanov, I. U. - Control systems. p. 16.

Frainman, A. - Contests are being conducted. p. 18.

Volynskii, V. - In the forest. p. 18.

Smirnov, V. - Leaders in competition. p. 20.

Volgin, M., Shepot, P. - Training apparatus for tankmen. p. 22.

Gorshkov, I. U., Tsiaporukina, M. - You don't joke with the sea. p. 26.

Grigoriev, O. - For traffic safety, stopping and standing. p. 28.

Izrael, V. - The road to automation. p. 30.

Ezhov, A. - The joy of creation. p. 32.

Schastnyi, N. - Army innovators for only. p. 32.

Relay race of innovators. p. 34.

Kononenko, V., Kuznetsov, S. - 1 p. 38.

TSybko, P. - Partial and complete c

Rudenko, I. - The subject is the th

p. 40.

Ivlev, S. - Screw locking of joints.

Makotov, M. - Attention, poison!

Smatek, I. U. - Psychological selecti

drivers. p. 44.

Tumanov, N. - The work area of the

Kozhukhin, A., Polnikov, S. - Self

p. 46.

*TYI I SNABZHENIE SOVETSKIKH VOI

SIL [THE REAR AND SUPPLY OF T

ARMED FORCES]. Issued by Minist

SSSR [Ministry of Defense of the U.S

cow, vol. 27, no. 3, Mar. 1967.

Table of contents transla

The Soviet people to their troops. p.

- Lebedev, A. - A political and ideological upbringing is a problem of paramount importance. p. 7.
 Tolubko, V. - The rear and combat readiness of rocket troops. p. 13.
 "Pravda" on the heroism of rear troops. p. 19.
 Rumyantsev, P. - At the southern front. p. 20.
 Lavrukhin, I. - In honor of the glorious anniversary. p. 26.
 Biriulin, D., Afanas'ev, E. - Lessons in winter exercises. p. 30.
 Gruzdev, I. - Your decision? p. 31.
 Sheinakov, M., Sorokin, P. - Tactical and specialized exercises with a medical battalion. p. 39.
 Ovsianikov, A. - Always searching. p. 43.
 Kalmylov, P., Mikhailov, V. - Physiology of nutrition and cookery. p. 46.
 Klukhina, A. - Economize government means and improve the life of troops. p. 53.
 Ignatkina, V. - Solicitous hands, ardent hearts. p. 55.
 Petrushtin, E., and others - Advice to young officers and junior specialists. p. 58.
 Solikova, I. - New planning system. p. 61.
 Oshchinnikov, A., and others - Searching for ways of lowering transportation costs. p. 68.
 Prugard, O. - Air transportation. p. 72.
 Iakovlev, G. - Sectional containers for freight packages. p. 76.
 Shakhovich, L. - Means of combatting icing. p. 78.
 Shagin, V. - On board river vessels. p. 81.
 Smirnov, M. - Servicing of equipment and fuel consumption. p. 82.
 Varlamov, M. - Military operational evaluation of automobile roads using electronic computers. p. 88.
 Serebrnikov, I. - Long-distance automotive transportation in the United States Army. p. 91.
- Vol. 27, no. 4, Apr. 1967
- Table of contents translated
- Fulfilling Lenin's legacy. p. 2.
 Gavrilenko, I. - The unity of action of fraternal parties against imperialism, our common foe. p. 8.
 Klimovskii, A. - V.I. Lenin on the work of transportation and military communications. p. 13.
 Zolovorodskii, V. - Stirring meetings. p. 14.
 Agafonov, D. - A high combat readiness for the Navy rear. p. 18.
 Drur, Martin - Rear troops in the "Vilava" exercises. p. 24.
 Shevchukov, N. - An important condition of fruitful training. p. 29.
 Goudey, I. - How we conduct assemblies. p. 32.
 Babkin, G. - In Transbaikalia. p. 36.
 Makarov, N. - Spring cares of unit economists. p. 38.
 Parshin, M. - Disregarding hardships. p. 45.
 Khlystov, V., Samolov, V. - Persistence wins. p. 46.
 Novikov, E. - On a ship in southern latitudes. p. 40.
 Dvorkin, D., Sedov, V. - Devotion to physical culture. p. 52.
 Pautonen, I. - For the good of the cause. p. 54.
 Buis, E., Krivlov, G. - Collective gardens. p. 56.
 Avetisov, S. - Storing frozen meat. p. 57.
 Petrov, P. - Hybrid tunings for our fields. p. 59.
 Erofeev, N. - Guide, teach, uphold. p. 60.
 Filatov, A. - Accuracy is needed. p. 62.
 Melov, V. - The thirtyfold a conference. p. 65.
 Litvinov, I. - In close connection with practice. p. 66.
 Gusev, D. - Transferring supplies to moving ships. p. 72.
 Zabalnev, M. - Loading equipment on river vessels. p. 78.
 Kochergin, E. - "SARM." p. 80.
 Zhukov, R. - Using network methods in work practice. p. 82.
 Nikulin, A. - Mechanization is the path to high combat readiness. p. 87.
 Turovskii, B. - A portable model. p. 93.
 Frenzel, R. - Graphic calculation of fuel in storage tanks. p. 94.

VESTNIK PEROPOKHOZHNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS] Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov I-go Kubanskogo generala Koinilova pokhoda [Administration of the California Association of Veterans of General Koinilov's First Cuban Campaign] Los Angeles, no. 69/70, June-July 1967.

*VESTNIK PROTIVOPROZDUSHNOI OBOROYNI [AIR DEFENSE REVIEW] Published by Voennoe izdatel'stvo Ministerstva oborony SSSR [Military Publishing House of the Ministry of Defense of the U.S.S.R.] Moscow, no. 3, Mar. 1967.

- Table of contents translated
- A worthy welcome for the great holiday. p. 3.
 Ardent propagandists of party ideas. p. 7.
 Dvinn, G. P. - How the party cares about the ideological growth of officers. p. 11.
 Lysyi, I. P. - Roll call of generations. p. 17.
 Samonov, V. N. - The missile range is the school for perfection of rocket gunners. p. 27.
 Iasev, G. E. - Instructional and methodological studies in small units. p. 31.
 Kvotkin, G. S. - Propaganda of economic knowledge. p. 34.
 Il'chenko, V. M. - Objective control of operator training. p. 35.
 Bogdanov, G. A. - Take all factors into consideration when evaluating a flight. p. 42.
 Palagushkin, A. I. - On the job training of pilots at a command post. p. 45.
 Kurilenko, G. S. - Individual methods of instructing radar operators. p. 48.
 Lavrukhin, I. N. - The examination has been passed. p. 52.
 Kmit'skii, P. I., Frolov, I. G. - How we train radio mechanics. p. 55.
 Aleksashin, V. I. - Raise the ideological level of teaching scientific subjects. p. 58.
 Sergienko, A. M. - Taking all conditions of a base into account. p. 61.
 Competition for the best invention. p. 63.
 Neusypin, A. K. - Gyroscopic platforms. p. 64.
 Brudov, S. I. - Some particles of maintenance of magnetrons. p. 68.
 Zuev, V. M. - Adjusting ultrashort wave automatic generators. p. 71.
 Kon'nev, M. M. - Telephone blocking units. p. 74.
 Zimin, P. V. - Instrument for adjusting potentiometers. p. 77.
 Tsyganov, V. A., Mazanov, V. A., Frolov, G. G. - Training apparatus for pilots. p. 78.
 Makarenko, I. M. - Vulcanizing of cables. p. 81.
 Leonov, A. I. - Optical locating devices on laser beams. p. 82.
 Baryshev, I. E. - Antimissile defense systems of the United States. p. 85.
 Pavlov, I. G. - In defense of Novoselsk. p. 90.

VOENNYE ZNANIYA [MILITARY KNOWLEDGE] Issued by Voennoye dobovol'noe obshchestvo soedinitel'skii armii, aviatst i floty [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 43, no. 2, Feb. 1967.

- Table of contents translated
- The revolutionary guard is almost half a century old. p. 1.
 History itself tells. p. 3.
 Demin, N. - Lead youth in the paths of heroic deeds. p. 6.
 Baklanov, N. - Look at this photograph... p. 8.
 Andrianov, V. - Under the same banner. p. 9.
 Efremenko, A. I. - National valor and response. p. 10.
 Kazenov, K. - Watch on distant meridians. p. 12.
 Khesin, S. - An outstanding commissar. p. 14.
 Pokhvalin, V. - Medical training for youth. p. 15.
 Malinin, G. - Lessons of one drill. p. 16.
 Annatov, P. - Organization and control. p. 18.
 Danilshchikov, I. - For first aid. p. 18.
 Iastremskii, V., Strigin, A. - Using decoys of localities. p. 20.
 Kariyev, K., Semenov, K. - Why the headquarters training did not succeed. p. 22.

- Pishun, A. - Coordinated, permanent. p. 24.
 Kuchugunyl, I. - Once more about technical maintenance. p. 25.
 Ponomarev, N., Mlasnenko, A., Kruglyi, A. - Striking factors. p. 26.
 Ar'ev, T. - Buins and first aid. p. 30.
 Kolin, F. - City committees and primary organizations. p. 32.
 Filov, P. - Pupils find heroes. p. 32.
 Vasutin, I. U. - Here our army was born. p. 34.
 Plot'ev, A. - Seminar on the Mamayev hill. p. 35.
 Kibenko, N. - Annals of our native town. p. 36.
 Podtenkov, I. - In a rural school. p. 38.
 Chernyshev, I. U. - Sizes are becoming still smaller. p. 39.
 Dets'on, I. - Rifleman and trainer. p. 39.
 Iatsev, L. - A rifleman's home training. p. 40.
 Pal'chak, N. - Diligence and attention. p. 40.
 Kuz, A. - Be daring, captains of the "Little Fleet." p. 42.
 Abuladze, S. - On water and under water. p. 42.
 Sventitskaya, G. - Sixth item. p. 43.
 Kozlov, N. - Underwater hunting. p. 45.
 Kulak, Aleksandr - Person from a diorama. p. 46.

Vol. 43, no. 3, Mar. 1967.

- Table of contents translated
- Preparing for the Sixth Congress of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. p. 1.
 Worthy daughters of our native land. p. 2.
 Jy work, deed, and personal example. p. 1.
 Zhuravskii, A. - Communists were leaving for the front. p. 5.
 Koienev, N. - From dawn to dusk. p. 6.
 Shamsudinov, I. - This is party business. p. 8.
 Chernyshev, I. - Your commander. p. 9.
 Panov, I. - School for sailors. p. 10.
 Evdokimov, A. - Called by the revolution. p. 12.
 Gribchenko, G. - There was enough strength... p. 13.
 Kotlukov, K. - On the job all her life. p. 14.
 Novichenko, I. - Protection and will, a pyrotechnician on pyrotechnicians. p. 15.
 Vinogradov, L. - In a unified defense system. p. 17.
 Anupov, L. - Under everyday conditions. p. 20.
 Peltakov, I. - Prompted by training. p. 22.
 Roshchepkin, V. - Courses for schools. p. 23.
 Tuzhikhin, M. - When there is coordination. p. 24.
 Khalezov, P., Karimov, A. - Preparation is centralized. p. 25.
 Gaiushenko, V. - The theme is deactivation. p. 26.
 Khalevich, A. - Collective means of defense. p. 28.
 Daniluk, V. - By individual means. p. 30.
 Smolian, N. - For the simplest heuristic scaling. p. 32.
 Dokuchayev, N. - Center of attention of the district committee. p. 33.
 Aronov, A. - Joys and difficulties of research. p. 34.
 Kosarev, I. - What to begin with? p. 35.
 Marchenko, A., Malinskii, I. - Army begins with the military commissariat. p. 36.
 Leont'ev, F. - Center of propaganda work. p. 38.
 Pistols and revolvers. p. 38.
 Betov, M. - Combat and helicopters. p. 39.
 Ilushin, V. - Affairs and members of the club. p. 40.
 Makstomov, A., Fedotsov, V. - Methods of instructing rifleman. p. 40.
 Sarychev, N., Gushchik, A. - A purpose for training. p. 42.
 Proshin, P. - Light edge. p. 43.
 Uspenskii, G. - Training young scuba divers. p. 44.
 Efremov, V. - New developments in classifying underwater sportsmen. p. 45.
 Emel'yanov, I. U., Zhitova, G., Gibinov, B. - European record remains unconfirmed. p. 46.

*VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 46, nos. 4-5, Apr. -May 1967.

b. NAVAL SCIENCE

KATERA I IAKHTY [MOTORBOATS AND SAILBOATS]. Leningrad, no. 9, 1967.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

| | | | |
|--|---|--|--|
| Agitato: (6) | Agitato | Biul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. (16a) | Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Bulletin' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information Bulletin of Technical and Economic Information] |
| Agrokhimia (15a) | Agrokhimia [Agrochemistry] | Biul. Verkh. Suda RSFSR (7) | Russia (1917- R. S. F. S. R.) Verkhovnyi Sud. Bulletin' [Supreme Court. Bulletin] |
| Antibiotiki (14f) | Antibiotiki [Antibiotics] | Bukhg. uchot (5a) | Bukhgalterskii uchot [Accounting] |
| Arkh. anat., gist. i embr. (13e) | Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology] | Dum prom. (16f) | Dumazhnaia promyshlennost' [Paper Industry] |
| Arkh. pat (14e) | Arkhiv patologii [Archives of Pathology] | Burenle (16h) | Borenie [Drilling] |
| Arkheologiya (4b) | Arkheologiya [Archaeology] | Der. prom. (16f) | Derevoobrabativalushchaya promyshlennost' [Woodworking Industry] |
| Astrofizika (13b) | Astrofizika [Astrophysics] | Dif. urav. (13e) | Differentsial'nye uravneniia [Differential Equations] |
| Atom. energ. (16e) | Atomnaya energiya [Atomic Energy] | Dokl. AN Azerb. SSR (13a) | Akademii nauk Azerbaidzhan'skoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S. S. R. Reports] |
| Atom. tekhn. za rub. (16e) | Atomnaya tekhnika za rubezhom [Nuclear Engineering Abroad] | Dokl. AN BSSR (13a) | Akademii nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S. S. R. Reports] |
| Aviatsiya (16b) | Aviatsiya i kosmonavtika [Aviation and Astronautics] | Dokl. AN SSSR (13a) | Akademii nauk SSSR. Doklady [Academy of Sciences of the U. S. S. R. Reports] |
| Avi. dor. (16d) | Avtomobil'nye dorogi [Highways] | Dokl. po med. geog. (14a) | Geograficheskoe obshchestvo SSSR. Otdeleniye meditsinskoi geografi. Doklady po meditsinskoi geografii [Geographical Society of the U. S. S. R. Department of Medical Geography. Reports on Medical Geography] |
| Avi. transp. (16g) | Avtomobil'nyi transport [Automotive Transportation] | Dop. AN URSS (13a) | Akademii nauk URSS, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S. S. R. Reports] |
| Avtom. i telemekh. (16e) | Avtomatika i telemekhanika [Automatic and Remote Control] | Dop. AN URSS. Ser. A (13a) | Akademii nauk URSS, Kiev. Dopovidi. Seriya A: Fiziko-tekhnicheskii i matematicheski nauki [Academy of Sciences of the Ukrainian S. S. R. Reports. Series A: Physical, Technological, and Mathematical Sciences] |
| Avtomatiz. proizvodstva i priborostroeniia (16g) | Avtomatizatsiia proizvodstvennykh protsessov v mashinostroeni i priborostroeni [Automation of Industrial Processes in Machinery and Instrument Manufacturing] | Dop. AN URSS. Ser. B (13a) | Akademii nauk URSS, Kiev. Dopovidi. Seriya B: Geologiya, geofizika, khimiia i biologiya [Academy of Sciences of the Ukrainian S. S. R. Reports. Series B: Geology, Geophysics, Chemistry, and Biology] |
| Avtomatika (16e) | Avtomatika [Automatic Control] | Doshk. vosp. (8a) | Doshkol'noe vospitaniye [Preschool Education] |
| Avtometriia (16g) | Avtometriia [Autometry] | Ekon. i zhizn' (5b) | Ekonomika i zhizn' [Economics and Life] |
| Az. i Afr. seg. (1b) | Azila i Afrika segodnia [Asia and Africa Today] | Ekspr. - inform. Mor. gidrofiz. inst. AN URSS (12b) | Akademii nauk URSS, Kiev. Morskoi gidrofizicheskii institut. Ekspress-informatsiia [Academy of Sciences of the Ukrainian S. S. R. Marine Hydrophysical Institute. Express-Information] |
| Azerb. med. zhur. (14a) | Azerbajchan tibb zhurnaly. Azerbaidzhan'skii meditsinskii zhurnal [Azerbaijan Medical Journal] | Elek. seti i sist. (16e) | Elektricheskoe seti i sistemy [Electrical Networks and Systems] |
| Azerb. nef. khoz. (16h) | Azerbaidzhan'skoe nefteinoe khozaistvo [Azerbaijan Petroleum Industry] | Elektrokhimia (13d) | Elektrokhimia [Electrochemistry] |
| BIKI [Prilozh.] (5a) | Biulleten' inostrannoi kommercheskoi informatsii; prilozheniye [Bulletin of Foreign Commercial Information; Supplement] | Elektromashinost. i elektrob. (16e) | Elektromashinost' [Electromachinery] |
| Bezop. truda v prom. (16a) | Bezopasnost' truda v promyshlennosti [Industrial Safety] | Elektrosvyaz' (16e) | Elektrosvyaz' [Electrocommunication] |
| Bibliotekar' (2b) | Bibliotekar' [The Librarian] | Elektrotekhnika (16e) | Elektrotekhnika [Electrotechnics] |
| Bibliotekoved. i bibl. za rub. (2b) | Bibliotekovedeniye i bibliografiia za rubezhom [Library Science and Bibliography Abroad] | Energ. i oiek. (16e) | Energia i oiek. [Energy and OIEK] |
| Biokhimika (13c) | Biokhimika [Biochemistry] | Energetik (16e) | Energetika [Energetics] |
| Biol. oplod. i get. kul't. rast. (13c) | Biologiya oplodotvoreniia i geterozis kul'turnykh rastenii [Biology of the Fertilization and Heterosis of Cultivated Plants] | Ent. oboz. (13c) | Entomologiya [Entomology] |
| Biul. eksp. biol. i med. (14a) | Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine] | Farm. i toks. (14f) | Farmakologiya i toksikologiya [Pharmacology and Toxicology] |
| Biul. inst. astrofiz. AN Tadzh. SSR (13b) | Akademii nauk Tadzhikskoi SSR, Dushanbe. Institut astrofiziki. Biulleten' [Academy of Sciences of the Tajik S. S. R. Astrophysical Institute. Bulletin] | Form. i spirt. prom. (16c) | Formirovaniye i spirt. prom. [Forming and Spirit. Industry] |
| Biul. inst. teor. astron. (13b) | Akademii nauk SSSR, Institut teoreticheskoi astronomii. Biulleten' [Academy of Sciences of the U. S. S. R. Institute of Theoretical Astronomy. Bulletin] | Fil. i mory bor'. s noi (15d) | Fil'my i mory bor'. s noi [Films and Sea Battle. s noi] |
| Biul. Ispol. kom. Mosk. gor. sov. (8) | Moscow Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin] | Fin. SSSR (5c) | Finansy SSSR [Finance SSSR] |
| Biul. MOIP. Old. geol. (12c) | Moskovskoe obshchestvo issyitatelei prirody. Biulleten'. Otdel geologicheskii [Moscow Naturalists' Society. Bulletin. Geological Section] | Fiz. i tekhn. po-luprov (13f) | Fizika i tekhn. po-luprov [Physics and Technical. po-luprov] |
| Biul. mezhdunar. nauch. s'ezd. i kongr. (1a) | Biulleten' mezhdunarodnykh nauchnykh s'ezdov, konferentsii i kongressov [Bulletin of International Scientific Meetings, Conferences, and Congresses] | Fiz. met. i metalloved. (16h) | Fizika metallov. i metalloved. [Physics of Metals. and Metalloved.] |
| Biul. Min. vys. i sred. spets. obr. SSSR (8a) | Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin] | | |

- Fiz. i ver. tela (13f) Fizika i verdogo tela [Solid State Physics]
- Fiziol. rast (13c) Fiziol. rastenii [Physiology of Plants]
- Fiziol. zhur. (13c) Fiziol. zhurnal SSSR [Physiological Journal of the U.S.S.R.]
- Gaz prom (16c) Gazovaya promyshlennost' [Gas Industry]
- Genetika (13c) Genetika [Genetics]
- Geod. i kart. (16a) Geodeziya i kartografiya [Geodesy and Cartography]
- Geofiz. app (12c) Geofizicheskaya apparatura [Geophysical Instruments]
- Geokhimiya (12c) Geokhimiya [Geochemistry]
- Geol. i geofiz. (12c) Geologiya i geofizika [Geology and Geophysics]
- Geol. i nef't i gaza (16h) Geologiya nef'ti i gaza [The Geology of Petroleum and Gas]
- Geol. rud. mestorozh. (16h) Geologiya rudnykh mestorozhdenii [Geology of Ore Deposits]
- Geol. zhur. (12c) Geologichnyi zhurnal [Geological Journal]
- Geomag. i aer. (13f) Geomagnetizm i aeronomiya [Geomagnetism and Aeronomy]
- Geotektonika (12c) Geotektonika [Geotectonics]
- Gidrobiol. zhur. (13c) Gidrobiologicheskii zhurnal [Hydrobiological Journal]
- Gidrodin. bol'skor. (16g) Gidrodinamika bol'shikh skorostei [Hydrodynamics of High Velocities]
- Gidrokhim. mat. (13d) Gidrokhimicheskie materialy [Materials on Hydrochemistry]
- Gidroliz. i lesokhim. prom (16c) Gidrolizatsiya i lesokhimicheskaya promyshlennost' [Hydrolysis and Wood Chemistry Industry]
- Gor. zhur. (16h) Gornyi zhurnal [Mining Journal]
- Iad. fiz. (13f) Yadernaya fizika. Journal of Nuclear Physics
- Inform. biul. MNRP (6) "Mongol'skaya narodno-revolutsionnaya partiya. Tsentralnyi Komitet. Informatsionnyiulleten" [Mongolian People's Revolutionary Party. Central Committee. Information Bulletin]
- Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 (2a) Moscow. Publitsnaya biblioteka. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-matematicheskoe i khimicheskoe nauki; nauki o zemle, tekhnika i tekhnicheskoe nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences; Earth Sciences; Technology and Technological Sciences]
- Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 (2a) Moscow. Publitsnaya biblioteka. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 2: Biologicheskoe nauki, sel'skoe i lesnoe khozaystvo, sel'skokhozyaistvennyye i lesokhozyaistvennyye nauki, zdoravookhraneniye, meditsinskoe nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]
- Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a) Moscow. Publitsnaya biblioteka. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennyye nauki, khudozhestvennaya literatura, Iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]
- Inform. o bibliot. dele i bibli. za rub. (2b) Informatsiya o biblioteknom dele i bibliografii za rubezhom; sbornik materialov [Information about Library Work and Bibliography Abroad, Materials]
- Inform. ukaz. bibli. knig, i Informatsiya i ukazaniya bibliograficheskikh spiskov i kartotek, sostavlenykh bibliotekami Sovetskogo Soyuza [Information Index of Bibliographical Lists and Card Files, Compiled by the Libraries of the Soviet Union]
- Iskusstvo [Art]
- Issledovaniya fauny morei [Explorations of the Fauna of the Seas]
- Istoriya SSSR [History of the U.S.S.R.]
- Obrecheniya, promyshlennyye obrabazysy, tovarnye znaki [Inventions, Industrial Samples, Trademarks]
- Ila nauk Kazakhskoi SSR, Alma-Ata, Izvestiya, i khimicheskaya [Academy of Sciences of the Kazakh S.S.R. Bulletin, Chemical Series]
- Ila nauk Moldavskoi SSR, Izvestiya [Academy of Sciences of the Moldavian S.S.R. Bulletin]
- Izv. AN SSSR. Energ. i transp. (16g) Akademiya nauk SSSR. Izvestiya. Energetika i transport [Academy of Sciences of the U.S.S.R. Bulletin. Power Engineering and Transportation]
- Izv. AN SSSR. Fiz. atm. i okeana (13f) Akademiya nauk SSSR. Izvestiya. Fizika atmosfery i okeana [Academy of Sciences of the U.S.S.R. Bulletin. Atmospheric and Oceanic Physics]
- Izv. AN SSSR. Fiz. zem. (13f) Akademiya nauk SSSR. Izvestiya. Fizika zemli [Academy of Sciences of the U.S.S.R. Bulletin. Physics of the Earth]
- Izv. AN SSSR. Met. (16h) Akademiya nauk SSSR. Izvestiya. Metally [Academy of Sciences of the U.S.S.R. Bulletin. Metals]
- Izv. AN SSSR. Neorg. mat. (13d) Akademiya nauk SSSR. Izvestiya. Neorganicheskie materialy [Academy of Sciences of the U.S.S.R. Bulletin. Inorganic Materials]
- Izv. AN SSSR. Ser. biol. (13c) Akademiya nauk SSSR. Izvestiya. Seriya biologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Biological Series]
- Izv. AN SSSR. Ser. geog. (12b) Akademiya nauk SSSR. Izvestiya. Seriya geograficheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]
- Izv. AN SSSR. Ser. geol. (12c) Akademiya nauk SSSR. Izvestiya. Seriya geologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]
- Izv. AN SSSR. Ser. khim. (13d) Akademiya nauk SSSR. Izvestiya. Seriya khimicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Chemical Series]
- Izv. AN Tadzh. SSR. Oid. obshchestv. nauk (1a) Akademiya nauk Tadzhikskoi SSR, Dushanbe. Otdelenie obshchestvennykh nauk, Izvestiya [Academy of Sciences of the Tajik S.S.R. Department of Social Sciences, Bulletin]
- Izv. AN Uz. SSR. Ser. fiz.-mat. nauk (13f) Akademiya nauk Uzbekskoi SSR, Tashkent. Izvestiya. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]
- Izv. GAO (13b) Pulkovo. Glavnaya asironomicheskaya observatoriya. Izvestiya [Main Astronomical Observatory. Bulletin]
- Izv. NIPT (16e) Leningrad. Nauchno-issledovatel'skii institut postoiannogo toka, Izvestiya [Direct Current Scientific Research Institute, Bulletin]
- Izv. SO AN SSSR. Ser. obshchestv. nauk (1a) Akademiya nauk SSSR. Sibirskoe otdelenie, Izvestiya. Seriya obshchestvennykh nauk [Academy of Sciences of the U.S.S.R. Siberian Department, Bulletin. Series in the Social Sciences]
- Izv. TSKHA (15a) Moscow. Moskovskaya sel'skokhozyaistvennaya akademiya im. Timiriazova. Izvestiya [Timiriazov Agricultural Academy of Moscow. Bulletin]
- Izv. Vses. geog. ob-va (12b) Geograficheskoe obshchestvo SSSR. Izvestiya [Geographic Society of the U.S.S.R. Bulletin]
- Izv. vys. ucheb. zav.; av. lekhn. (16b) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; aviatsonnaya tekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Aviation Engineering]
- Izv. vys. uchob. zav.; chern. met. (16h) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
- Izv. vys. ucheb. zav.; elektromekhn. (16e) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
- Izv. vys. ucheb. zav.; energ. (16e) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
- Izv. vys. ucheb. zav.; fiz. (13f) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]
- Izv. vys. uchob. zav.; gor. zhur. (16h) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]
- Izv. vys. ucheb. zav.; mashinostr. (16g) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; mashinostroyeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machinery Manufacture]
- Izv. vys. ucheb. zav.; mat. (13e) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mathematics]
- Izv. vys. ucheb. zav.; nef't i gaz (16h) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; nef't i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]

| | | | |
|---|--|---|--|
| Izv. vys. ucheb. zav.; pishch. tekhn. (16c) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pishchevala tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Food Technology] | Mat. - tekhn. soabzh. (5b) | Material'no-tekhnicheskoe snabzhenie [Supply of Materials and Equipment] |
| Izv. vys. ucheb. zav.; radiofiz. (13f) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Physics] | Mat. zap. Ural. mat. ob-va UrGU (13e) | Sverdlovsk. Ural'skii gosudarstvennyi universitet. Ural'skoe matematicheskoe obshchestvo. Matematicheskie zapiski [Ural State University. Ural Mathematical Society. Mathematical Annals] |
| Kauchuk i rezina (16c) | Kauchuk i rezina [Crude and Vulcanized Rubber] | Med. rad. (14a) | Meditsinskaya radiologiya [Medical Radiology] |
| Kaz. v ist. rus. lit. (11b) | Kazan' v istorii russkoi literatury [Kazan in the History of Russian Literature] | Med. ref. zhur. (14a) | Meditsinskii referativnyi zhurnal [Medical Abstracts] |
| Khar. prom. (16f) | Kharkhova vromyslovist' [Food Industry] | Mekh. i avtom. proizv. (16g) | Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production] |
| Khim. i nefl. mashinostroi. (16c) | Khimicheskoe i neflianoie mashinostroenie [Chemical and Petroleum Machinery Manufacture] | Mekh. mash. (16g) | Mekhanika mashin [Mechanical Engineering] |
| Khim. i tekhn. topl. i masei (16c) | Khimiia i tekhnologiia topliv i masei [Chemistry and Technology of Fuel and Oil] | Metallurg. (16h) | Metallurg [Metallurgist] |
| Khim. inform. (13d) | Khimicheskaya informatsiia; sistematischeskii ukazatel' stat' v inostrannykh zhurnalakh [Chemical Information, Classified Index of Articles in Foreign Periodicals] | Mezhdunar. zhizn' (8) | Mezhdunarodnaya zhizn' [International Life] |
| Khim. prom. (16c) | Khimicheskaya promyshlennost' [Chemical Industries] | Mias ind. SSSR (16f) | Miasnaya industriia SSSR [Meat Industry of the U.S.S.R.] |
| Khim. tekhn. (16c) | Khimicheskaya tekhnologiia [Chemical Technology] | Mikrobiol. zhur. (13c) | Mikrobiologicheskii zhurnal [Journal of Microbiology] |
| Khim. v sel'sk. khoz. (15a) | Khimiia v sel'skom khoziaistve [Chemistry in Agriculture] | Mir. ekon. i mezhdunar. otn. (5b) | Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations] |
| Khim. vys. energ. (13d) | Khimiia vysokikh energii [High-Energy Chemistry] | Mod. sezona (16f) | Modell sezona [Season's Fashions] |
| Khirurgiya (14h) | Khirurgiya [Surgery] | Mol. komm. (8) | Molodoi kommunist [The Young Communist] |
| Khol. tekhn. (16c) | Kholodil'naya tekhnika [Refrigeration Engineering] | Muk. elev. prom. (16f) | Mukomol'no-elevatornaya promyshlennost' [Flour Milling and Grain Storage] |
| Kibernetika (13e) | Kibernetika [Cybernetics] | NTI. Ser. 2 (16a) | Moscow. Vsesoluznyi institut nauchnoi i tekhnicheskoi informatsii. Nauchno-tekhnicheskaya informatsiia. Seriya 2; Informatsionnye protsessy i sistemy [All-Union Institute of Scientific and Technical Information. Scientific and Technical Information. Series 2; Information Processes and Systems] |
| Kalzh. iel. (2a) | Kalzhnaya letopis' [Book Chronicle] | Na. stroit. Ros. (10d) | Na. stroitkakh Rossiia [At Russian Construction Projects] |
| Kalzh. iorg. (2c) | Kalzhnaya torgovlia [Book Trade] | Nach. shkola (8a) | Nachat'naya shkola [Primary School] |
| Koka i khim. (10a) | Koka i khimiia [Coke and Chemistry] | Nar. khoz. Kazakh. (5b) | Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan] |
| Komm. Ukr. (8) | Kommunist Ukrainy [Communist of the Ukraine] | Nar. khoz. Uzb. (5b) | Narodnoe khoziaistvo Uzbekistana [The National Economy of Uzbekistan] |
| Komm. Vooruzh. Sil (17a) | Kommunist Vooruzhenykh Sil [Communist of the Armed Forces] | Nar. obr. (8a) | Narodnoe obrazovanie [Public Education] |
| Kommunist (8) | Kommunist [Communist] | Nauch. dokl. vys. shkoly, biol. nauk (13c) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskoe nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Biological Sciences] |
| Kons. i ov. prom. (10c) | Konservirovaniia i ovoshchenashil'naya promyshlennost' [The Canning and Dehydrated Vegetable Industry] | Nauch. dokl. vys. shkoly; ekon. nauk (5b) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; ekonomicheskoe nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Economics] |
| Kosm. issl. (13b) | Kosmicheskoe issledovaniia [Space Research] | Nauch. dokl. vys. shkoly, filos. nauk (3a) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Philosophical Sciences] |
| Kristallografiia (13d) | Kristallografiia [Crystallography] | Nauch. - issl. trudy TSNIIMash-detai' (16f) | Moscow. T'Sentralnyi nauchno-issledovatel'skii institut vspomogatel'nykh izdelii i zapasnykh detal' k tekstil'-nomu oborudovaniu. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of Auxiliary Products and Spare Parts for Textile Equipment. Scientific Research Papers] |
| Kryl. rod. (16b) | Kryl'ia rodiny [Wings of the Motherland] | Nauch. - issl. trudy Ukr. NIKP (16f) | Kiev. Ukrainskii nauchno-issledovatel'skii institut kozhevenno-obuvnoi promyshlennosti. Nauchno-issledovatel'skie trudy [Ukrainian Scientific Research Institute for the Leather and Footwear Industry. Scientific Research Papers] |
| Kuz. - shtam. proizv. (16g) | Kuzachno-shtampovoechnoe proizvodstvo [Forging and Stamping] | Nauch. - tekhn. sbor. po dob. nefli (16h) | Vsesoluznyi neftegazovyi nauchno-issledovatel'skii institut. Nauchno-tekhnicheskii sbornik po dobyche nefli [All-Union Scientific Research Institute of Petroleum and Natural Gas. Scientific and Technical Papers on Petroleum Production] |
| Lakokras. mat. i ikh prim. (16c) | Lakokrasochnye materialy i ikh primeneniia [Lacquer and Paint Materials and Their Use] | Nauch. trudy Dnepr. inst. cher. mot. (10h) | Dnepropetrovsk. Institut chornoi metalurgii. Nauchnye trudy [Institute of Ferrous Metallurgy. Studies] |
| Leb. prom. (16f) | Lebka promyslovist' [Light Industry] | Nauch. trudy TashGU (1a) | Tashkent. Universitet. Nauchnye trudy [University. Studies] |
| Lesovodeniie (15e) | Lesovedeniie [Forestry] | Nauch. trudy TashGU. Khim. nauk (13d) | Tashkent. Universitet. Nauchnye trudy. Khimicheskoe nauki [University. Studies. Chemical Sciences] |
| Let. gazet. st. (2a) | Letopis' gazetnykh stat' [Chronicle of Newspaper Articles] | Nefl. i gaz. prom. (16h) | Neflianaia i gazovaya promyshlennost' [Petroleum and Gas Industry] |
| Let. zhur. st. (2a) | Letopis' zhurnal'nykh stat' [Chronicle of Periodical Articles] | Nefl. khoz. (16h) | Neflianoie khoziaistvo [The Petroleum Industry] |
| Lis. hosp., lis., pap. i dor. prom. (16f) | Lisove hospodarstvo, lisova, paperoiva i derevobrobnaia promyslovist' [Forestry, Forest, Paper, and Wood-working Industry] | Neflegaz. geol. i geofiz. (16h) | Neflegazovaya geologiya i geofizika [Petroleum and Gas Geology and Geophysics] |
| Lit. i isk. nar. SSSR i zarub. stran (11b) | Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries] | Nefl. prom. delo (16h) | Nefl. promyslovoe delo [Petroleum Production] |
| Lit. po pod. nauk. i nar. obr. (8a) | Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education] | | |
| Mash. i nefl. obr. (16h) | Mashiny i neflianoie oborudovaniie [Machinery and Petroleum Equipment] | | |
| Mash. i obr. dlia mekh. i avtomatiz. trud. prots. v ugli. prom. (16h) | Mashiny i oborudovaniie dlia mekhanizatsii i avtomatizatsii trudomkikh protsessov v ugli. noi promyshlennosti [Machinery and Equipment for the Mechanization and Automation of Labor Consuming Processes in the Coal Industry] | | |
| Mashinostroi. (16g) | Mashinostroi. [Machine Builder] | | |
| Mat. k pozn. fauny i flory SSSR. Otd. zool. (13c) | Materialy k poznaniu fauny i flory SSSR. Otdel zoologicheskii [Contributions to the Knowledge of the Fauna and Flora of the U.S.S.R. Zoological Section] | | |
| Mat. nabl. seism. sta. "Apatity" (12c) | Apatity. Seismicheskaya stantsiia. Materialy nabludenii [Seismic Station. Observations] | | |

| | | | |
|---|---|---|--|
| Neftianik (16h) | Neftianik [The Petroleum Worker] | Piatist. insl. dosl. Vol. (4a) | Winnipeg Ukrainian Research Institute of Volyn. Proceed- ings |
| Nom. sbor. (13e) | Akademiya nauk SSSR. Vychislitel'nyi tsentr. Nomo- graficheskii sbornik [Academy of Sciences of the U.S.S.R. Computation Center. Nomographic Papers] | Prikl. biokhim i mikrobiol. (13c) | Prikladnaya biokhimiya i mikrobiologiya [Applied Bio- chemistry and Microbiology] |
| Nov. inostr. ekon. lit. (5b) | Novaya inostrannaya ekonomicheskaya literatura [New Foreign Economic Literature] | Prikl. mat. i mekh. (13e) | Prikladnaya matematika i mekhanika [Applied Mathematics and Mechanics] |
| Nov. inostr. kni- gi; kat. nov. postup. (2b) | Akademiya nauk SSSR. Biblioteka. Nove inostrannye knigi; katalog novykh postuplenii... [Academy of Sciences of the U.S.S.R. Library. New Foreign Books, Catalog of New Accessions...] | Prikl. mekh. (16g) | Prikladnaya mekhanika [Applied Mechanics] |
| Nov. inostr. lit. po laz. (11a) | Novaya inostrannaya literatura po tazykoznaniyu [New Foreign Literature on Linguistics] | Priroda. (13a) | Priroda [Nature] |
| Nov. inostr. lit. po ist., arkheol. i etn. (4a) | Novaya inostrannaya literatura po istorii, arkheologii i etno- grafii [New Foreign Literature on History, Archaeology, and Ethnography] | Prom. Arm. (16a) | Promyshlennost' Armenii [Industry of Armenia] |
| Nov. inostr. lit. po lit. (11b) | Novaya inostrannaya literatura po literaturovedeniyu [New Foreign Literature on the Study of Literature] | Pyt. nauk. kom. (6) | Pytaniya nauchnogo kommunizma [Problems of Scientific Communism] |
| Nov. knigi SSSR (2a) | Novye knigi SSSR [New Books of the U.S.S.R.] | Rad. lit. (11b) | Radlans'ke literaturoznavstvo [Soviet Literary Review] |
| Nov. knigi za rub. Ser. A (13a) | Novye knigi za rubezhom. Seriya A: Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizi- cheskaya geografiya [New Foreign Books: Series A: Mathe- matics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography] | Rad. pravo (7) | Radlans'ke pravo [Soviet Law] |
| Nov. knigi za rub. Ser. B (16a) | Novye knigi za rubezhom. Seriya B: Tekhnika [New Foreign Books. Series B: Technology] | Rad. shk. (8a) | Radlans'ka shkola [Soviet School] |
| Nov. knigi za rub. po obshchestv. naukam (2a) | Novye knigi za rubezhom po obshchestvennym naukam, ekonomika, filosofiya, istoriya, mezhdunarodnye otnoshen- nia [New Foreign Books on the Social Sciences: Econ- omics, Philosophy, History, International Relations] | Radio (16e) | Radio |
| Nov. knyhy URSS (2a) | Novye knyhy URSS [New Books of the U.S.S.R.] | Radiokhimiya (13d) | Radiokhimiya [Radiochemistry] |
| Nov. lit. po Bolg. (2a) | Novaya literatura po Bolgarii [New Literature on Bulgaria] | Radiotekhn. i elektron. (16c) | Radiotekhnika i elektronika [Radio Engineering and Elec- tronics] |
| Nov. lit. po Ger. Dem. Resp. (2a) | Novaya literatura po German'skoi Demokraticheskoi Respub- like [New Literature on the German Democratic Republic] | Radiotekhnika (16e) | Radiotekhnika [Radio Engineering] |
| Nov. lit. po Iug. (2a) | Novaya literatura po Yugoslavii [New Literature on Yugo- slavia] | Radiotekhnika [Kharkov] (16e) | Radiotekhnika [Radio Engineering] |
| Nov. lit. po obshch. probl. evrop. sots. stran (4a) | Novaya literatura po obshchim problemam evropal- skikh sotsialisticheskikh stran [New Literature on the General Problems of the European So- cialist Countries] | Razrab. nefl. i gaz. mest. (16h) | Razrabotka nefl'nykh i gazovykh mestorozhdenii [Develop- ment of Oil and Gas Fields] |
| Nov. lit. po obshch. probl. slav. (2a) | Novaya literatura po obshchim problemam slavianoovedeniya [New Literature on the General Problems of Slavic Studies] | Ref. sbor. : Ekon. prom. (5b) | Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry] |
| Nov. lit. po Rum. (2a) | Novaya literatura po Rumynii [New Literature on Rumania] | Ref. zhur. : Avi- dor (16d) | Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways] |
| Nov. lit. po Veng. (2a) | Novaya literatura po Vengrii [New Literature on Hungary] | Ref. zhur. : Avi- i gor. transp. (16g) | Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transpor- tation] |
| Nov. sov. lit. po laz. (11a) | Novaya sovetskaya literatura po tazykoznaniyu [New Soviet Literature on Linguistics] | Ref. zhur. : Avtom. telem. i vych. tekhn. (16e) | Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naya tekhnika [Journal of Abstracts: Auto- matic Control, Remote Control, and Computer Tech- nology] |
| Nov. sov. lit. po lit. (11b) | Novaya sovetskaya literatura po literaturovedeniyu [New Soviet Literature on the Study of Literature] | Ref. zhur. : Elek. i ee prim. (16e) | Referativnyi zhurnal: Elektronika i ee primeneniye [Journal of Abstracts: Electronics and its applications] |
| Nov. tokh. lit. Ser. "Miaso- moloch. prom." (16f) | Novosti tekhnicheskoi literatury. Seriya "Miaso-moloch- naya promyshlennost'" [News of Technological Literature. Series "Meat and Dairy Industry"] | Ref. zhur. : Fiz. (13i) | Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics] |
| Nov. tov. (5a) | Novye tovary, Informatsionnyi buleten' [New Con- sumer Goods, Information Bulletin] | Ref. zhur. : Fiz. i Geog. (12b) | Referativnyi zhurnal: Geografiya [Journal of Abstracts: Geography] |
| Nov. vrem. (8) | Novoye vremya [New Times] | Ref. zhur. : Geol. (12c) | Referativnyi zhurnal: Geologiya [Journal of Abstracts: Geology] |
| Okhr. truda i sots. strakh. (5d) | Okhrana truda i sotsial'nogo strakhovaniya [Protection of Labor and Social Insurance] | Ref. zhur. : Gor. delo (16h) | Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining] |
| Oktabr' (11b) | Oktabr' [October] | Ref. zhur. : Kib. (13a) | Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics] |
| Opr. po faune (13c) | Opredeliteli po faune SSSR [Guides to the Fauna of the U.S.S.R.] | Ref. zhur. : Leg. prom. (16f) | Referativnyi zhurnal: Legkaya promyshlennost' [Journal of Abstracts: Light Industry] |
| Opt. - mekh. piom. (16g) | Optiko-mekhanicheskaya promyshlennost' [Optical Instru- ments Industry] | Ref. zhur. : Mat. (13e) | Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics] |
| Organ. i upr. nefteob. prom. (5h) | Organizatsiya i upravleniye nefteobrabatovushchey promysh- lennosti [Organization and Management of Petroleum Production] | Ref. zhur. : Mekh. (13f) | Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics] |
| Orlop, travm. i protez. (14h) | Ortopediya, travmatologiya i protezirovaniye [Ortho- pedics, Traumatology, and Prostheses] | Ref. zhur. : Met. (16h) | Referativnyi zhurnal: Metallurgiya [Journal of Abstracts: Metallurgy] |
| PMTF (16a) | PMTF, zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics] | Ref. zhur. : Prom. transp. (16g) | Referativnyi zhurnal: Promyshlennyy transport [Journal of Abstracts: Industrial Transportation] |
| Parl. zhizn' (6) | Partiynaya zhizn' [Party Life] | Ref. zhur. : Tekh. mashinost. (16g) | Referativnyi zhurnal: Tekhnologiya mashinostroeniya [Journal of Abstracts: Technology of Machinery Manu- facture] |
| Pat. fiziol. i eksp. terap. (14o) | Patologicheskaya fiziologiya i eksperimental'naya terapiya [Pathological Physiology and Experimental Therapy] | Ref. zhur. : Teploenerg. (16g) | Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering] |
| Plan. khoz. (5b) | Planovoe khoziasitvo [Planned Economy] | Ref. zhur. : Vozd. transp. (16b) | Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation] |
| Porosh. met. (16h) | Poroshkovaya metallurgiya [Powder Metallurgy] | Rez. nabl. sov. isk. sput. Zem. (13b) | Akademiya nauk SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniya sovet'skikh issledovatel'skikh sputnikov Zemli [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites] |
| | | Ryb. khoz. (15h) | Rybnoe khoziasitvo [Fisheries] |

| | | | |
|--|---|---|--|
| Samoloty i r. i
tekh. vozd.
flota (16h) | Samolotostrouenie i tekhnika vyzdushnogo flota [Airplane
Manufacture and Technology of the Air Fleet] | Teor. funk.,
funk. anal. i
ikh prilozh.
(13e) | Teoriya funktsii, funktsional'nyi analiz i ikh prilozheniya
[Theory of Functions, Functional Analysis, and their
Applications] |
| Sbor NIIGMP
(13f) | Leningrad Nauchno-issledovatel'skii institut gidrometeorolo-
gicheskogo priborostroyeniya Sbornik [Scientific Re-
search Institute of Hydrometeorological Instrument Man-
ufacture Papers] | Teor. i eksp.
khim. (13d) | Teoreticheskaia i eksperimental'naya khimiia [Theoretical
and Experimental Chemistry] |
| Sbor nauch. i ab
Belorus. tekhn.
inst. Sei. ob-
shchestva (16a) | Belorus'skii tekhnologicheskii institut. Sbornik nauchnykh
rabot. Seriya obshchestvenno-naukovaia [White Russian
Technological Institute, Papers. Series in General Tech-
nology] | Torfi prom. (16h) | Torfianna promyshlennost' [Paper Industry] |
| Sbor. rab.
BGMO CHAM
(12b) | Sevastopol. Basseinovala gidrometeorologicheskaya ob-
servatoriia Chernogo i Azovskogo morei. Sbornik rabot
[Basin Hydrometeorological Observatory of the Black
and Azov Seas, Papers] | Toig za
rub.
(5a) | Toigovlia za rubezhom [Trade Abroad] |
| Sbor. rab. po
masl. i efiro-
masl. kul't. i.
(15d) | Sbornik rabot po maslichnym i efirnomaslichnym kul'turam
[Papers on Oilseed and Essential Oil Crops] | Trakt. i sol'-
khozmash.
(16g) | Traktory i sel'khozmasliny [Tractors and Agri-
cultural Machinery] |
| Sbor. trud. LMI
(16g) | Leningrad. Mekhanicheskii institut. Sbornik trudov
[Institute of Mechanics, Papers] | Transp. i khran.
nefti i nefte-
prod. (16h) | Transport i khraneniye nefti i nefteproduktov [Transportation
and Storage of Petroleum and Petroleum Products] |
| Sbor. trud. NIIGS
(16c) | Leningrad. Gosudarstvennyi nauchno-issledovatel'skii
institut gidrofitologii i solifitno-spitovoi promyshlennosti
Sbornik trudov [State Scientific Research Institute of the
Hydrolytic, Sulfite, and Alcohol Industry Papers] | Trudy AANII
(12b) | Leningrad. Arkticheskii i antarktikicheskii nauchno-
issledovatel'skii institut Trudy [Arctic and Antarctic
Scientific Research Institute. Transactions] |
| Sel'. khoz.
(15a) | Sel'skoe khoz. i sel'sk. sistematicheskii ukazatel' statei v
luchshinykh zhurnalakh [Agriculture; Classified Index of
Articles in Foreign Periodicals] | Trudy Astr. zap.
(13c) | Astrakhanskii zapovednik. Trudy [Astrakhan Preserve,
Transactions] |
| Sel'khoz. lit.
SSSR (15a) | Sel'skokhoziaistvennaya literatura SSSR [Agricultural
Literature of the U. S. S. R.] | Trudy Bot. inst.
Ser. 5 (13c) | Akademii nauk SSSR. Botanicheskii institut. Trudy
Seriya 5. Rastitel'noe syr'e [Academy of Sciences
of the U. S. S. R. Botanical Institute. Transactions.
Series 5. Plant Resources] |
| Sem'ia i shkola
(8a) | Sem'ia i shkola [Family and School] | Trudy GIN (12c) | Akademii nauk SSSR. Geologicheskii institut. Trudy
[Academy of Sciences of the U. S. S. R. Geological In-
stitute Transactions] |
| Shkola i proizv.
(8a) | Shkola i proizvodstvo [School and Industry] | Trudy GPI
[Gruz.]
(18a) | Tiflis. Gruzinskii politekhnicheskii institut. Trudy
[Georgian Polytechnic Institute Transactions] |
| Shvein
prom
(16f) | Shvelnaya promyshlennost' [Clothing Industry] | Trudy ITA (13b) | Akademii nauk SSSR. Institut teoreticheskoi astronomii.
Trudy [Academy of Sciences of the U. S. S. R. Institute
of Theoretical Astronomy. Transactions] |
| Soln. rad. i
rad. bal.
(13f) | Leningrad. Glavnaia geofizicheskaya observatoriia
[Main Geophysical Observatory] Solar Radiation
and Induction Balance Data. Solnechnaya radia-
tsiia i radiatsionnyi balans. | Trudy Inst.
biol. vnutr.
vod. (13c) | Akademii nauk SSSR. Institut biologii vnutrennei vody.
Trudy [Academy of Sciences of the U. S. S. R. Institute
of the Biology of Inland Waters. Transactions] |
| Sob. AN Gruz.
SSR (1a) | Akademii nauk Gruzinskoi SSR, Tiflis. Soobshcheniia
[Academy of Sciences of the Georgian S. S. R.
Reports. Russian language edition] | Trudy Inst. geol.
nauk AN Ka-
zakh. SSR
(12c) | Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut geolo-
gicheskikh nauk. Trudy [Academy of Sciences of the
Kazakh S. S. R. Institute of Geological Sciences. Trans-
actions] |
| Sob. obs. i
obs. (13b) | Byurakan. Observatoriia. Soobshcheniia [Observatory.
Reports] | Trudy Inst. ist.
par. [Azorb.] | Baku. Institut istorii partii. Trudy [Institute of the His-
tory of the Party Transactions] |
| Sots. trud (5d) | Sotsialisticheskii trud [Socialist Labor] | Trudy Inst. khim.
nauk AN Ka-
zakh. SSR
(13d) | Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut khimi-
cheskikh nauk. Trudy [Academy of Sciences of the
Kazakh S. S. R. Institute of Chemical Sciences. Trans-
actions] |
| Sots. zakon.
(7) | Sotsialisticheskaya zakonnost' [Socialist Legality] | Trudy Inst. mot. i
obog. AN
Kazakh. SSR
(10h) | Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut me-
tallurgii i obogashcheniia. Trudy [Academy of Sciences
of the Kazakh S. S. R. Institute of Metallurgy and Ore
Dressing. Transactions] |
| Sov. ein.
(12a) | Sovetskaya etnografiia [Soviet Ethnography] | Trudy Inst. okean.
(12b) | Akademii nauk SSSR. Institut okeanologii. Trudy [Academy
of Sciences of the U. S. S. R. Institute of Oceanography.
Transactions] |
| Sov. gos. i
pravo (7) | Sovetskoe gosudarstvo i pravo [The Soviet State and
Law] | Trudy Inst. zool.
AN Kazakh. SSR
(13c) | Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut zoo-
logii. Trudy [Academy of Sciences of the Kazakh S. S. R.
Institute of Zoology. Transactions] |
| Sov. iust. (7) | Sovetskaya iustitsiia [Soviet Justice] | Trudy KHSKIII
(15a) | Kharkov. SPU's'khozopodars'kii institut. Trudy
[Agricultural Institute. Transactions] |
| Sov. med.
(14a) | Sovetskaya meditsina [Soviet Medicine] | Trudy Kal.
lorf. inst.
(16h) | Kalinin. Torfianoi institut Trudy [Peat Institute, Trans-
actions] |
| Sov. pedagog. (8a) | Sovetskaya pedagogika [Soviet Pedagogy] | Trudy Kish. sel'khoz.
inst. (15a) | Kishinev. Sel'skokhoziaistvennyi institut im. M. V. Frunze.
Trudy [M. V. Frunze Agricultural Institute. Trans-
actions] |
| Sov. poiskoiuzy
(5d) | Sovetskie poiskoiuzy [Soviet Trade Unions] | Trudy MEI
(16g) | Moscow. Energeticheskii institut. Trudy [Power Engineering
Institute. Transactions] |
| Sov. radio i
tel. (8a) | Sovetskoe radio i teleydenie [Soviet Radio and Television] | Trudy MIIT
(16g) | Moscow. Moskovskii institut inzhenerov zheleznodoro-
uznogo transporta. Trudy [Moscow Institute of
Engineers of Railroad Transportation. Transactions] |
| Sov. shakhi.
(16h) | Sovetskii shakhter [Soviet Miner] | Trudy MMTS
(13f) | Moscow. Miromoi meteorologicheskii tsentr. T
Meteorological Center Transactions] |
| Sov. voln (17a) | Sovetskii voln [Soviet Soldier] | Trudy MNIPT-
MASII (16g) | Kemerovo. Mezhotraslevoi nauchno-issled-
skii po avtomatizatsii i mekhanizatsii
Trudy [Interbranch Scientific Research
Institute for Automation and
Machinery Manufacture. Transactions] |
| Sred. spets. obr.
(8a) | Srednee spetsial'noe obrazovanie [Secondary Specialized
Education] | Trudy MTI (16h) | Moscow. Torfianoi institut. Trudy [Peat
actions] |
| Stal' (16h) | Stal' [Steel] | Trudy Mosk. vol.
akad. (15b) | Moscow. Moskovskaya veterinarnaya akad.
[Moscow Veterinary Medicine Academy. |
| Stan. i instr.
(16g) | Stanki i instrument [Machine Tools and Cutting Tools] | Trudy NIIAK
(13f) | Moscow. Nauchno-issledovatel'skii institu-
tologii. Trudy [Scientific Research Insti-
tute of Meteorology. Transactions] |
| Stroi. i dor.
mash. (16g) | Stroitelnye i dorozhnye mashiny [Construction and
Road Machinery] | Trudy Nauch.-
issl. rybokhoz.
sta. Gruz.
(15b) | Batum. Nauchno-issledovatel'skaya rybok-
staniia Gruzii. Trudy [Fishery Rese-
arch Georgia. Transactions] |
| Subtrop. kul't.
(15d) | Subtropicheskie kul'tury [Subtropical Crops] | Trudy Oren. otd.
Vses. fiziol.
ob-va (13c) | Vsesoiuznoe fiziologicheskoe obshchestvo
Orenburgskoe otdeleniye. Trudy [I. P. I
Physiological Society. Orenburg Bran- |
| Svar. proizv.
(16f) | Svarochnoe proizvodstvo [Welding Practice] | | |
| Svetotekhnika
(10a) | Svetotekhnika [Illuminating Engineering] | | |
| Teatr (9c) | Teatr [The Theater] | | |
| Tekhn. est.
(16a) | Tekhnicheskaya estetika [Industrial Aesthetics] | | |
| Tekhn. i org.
proizv. (16g) | Tekhnologia i organizatsiia proizvodstva [Tech-
nology and Organization of Production] | | |
| Tekhn. i vooruzh.
(17a) | Tekhnika i vooruzhenie [Technology and Armaments] | | |
| Tekstil. prom.
(16f) | Tekstil'naya promyshlennost' [Textile Industry] | | |

| | | | |
|--|--|--|--|
| Trudy TSAO
(13f) | TSentral'naya aerologicheskaya observatoriya. Trudy
[Central Aerological Observatory Transactions] | Vech sred
shkola (8a) | Vecherniy sredniy shkola [Evening Secondary School] |
| Trudy TSIP
(13f) | Moscow. Tsentral'nyi institut prognozov. Trudy [Central
Weather Institute. Transactions] | Ved Verkh,
Sov. RSFSR
(7) | Russia (1917- R S F S R.) Verkhovnyi Sovet, Vedamos
[Supreme Soviet, Gazette] |
| Trudy TSNII
MPS (18g) | Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut
zhelezнодорожного транспорта. Trudy [All-Union Scien-
tific Research Institute of Railroad Transportation
Transactions] | Ved. Vekh,
Sov. SSSR
(7) | Russia (1923- U S S R.) Verkhovnyi Sovet, Vedomosti
[Supreme Soviet, Gazette] |
| Trudy TashGU
(1a) | Tashkent. Universitet. Trudy [University. Transactions] | Vest. AMN SSSR
(14a) | Akademiiya meditsinskikh nauk SSSR, Moscow, Vestnik
[Academy of Medical Sciences of the U. S. S. R. Journal] |
| Trudy Tbil. GU
(1a) | Tbilis. Universitet. Trudy [University. Transactions] | Vest. drev. ist.
(4a) | Akademiiya nauk SSSR, Institut istorii. Vestnik drevnei
istorii [Academy of Sciences of the U. S. S. R. Institute
of History. Review of Ancient History] |
| Trudy UkrNIGMI
(13f) | Kiev. Ukrainiskii nauchno-issledovatel'skii gidrometeorolo-
gicheskii institut. Trudy [Ukrainian Scientific Re-
search Hydrometeorological Institute. Transactions] | Vest. mashino-
str. (16g) | Vestnik mashinostroyeniya [Machinery Manufacture Review] |
| Trudy Ural otd.
GosNIORKH
(15b) | Leningrad. Gosudarstvennyi nauchno-issledovatel'skii
institut ozernogo i rechnogo rybnogo khozaystva Ural's-
kogo otdeleniya. Trudy [State Scientific Research Institute of
Lake and River Fisheries. Ural Department. Trans-
actions] | Vest. Mosk.
un. Ser 7
Ekonom. (5b) | Moscow Universitet. Vestnik Seriya 7: Ekonomika
[University. Review Series 7: Economics] |
| Trudy UzNIIZH
(15b) | Tashkent. Nauchno-issledovatel'skii institut zhivotnovodstva.
Trudy [Scientific Research Institute of Animal Husbandry.
Transactions] | Vest ob-
shchestv.
nauk AN
Arm. SSR
(1a) | Akademiiya nauk Armianskoi SSR, Erevan. Vestnik ob-
shchestvennykh nauk [Academy of Sciences of the
Armenian S. S. R. Review of Social Sciences] |
| Trudy VIZR
(15d) | Leningrad. Vsesoyuznyi institut zashchity rastenii. Trudy
[All-Union Institute of Plant Protection. Transactions] | Vest. protivovozd.
obor. (17a) | Vestnik protivovozdushnoi oborony [Air Defense Review] |
| Trudy VNIGRI
(16h) | Leningrad. Vsesoyuznyi nauchno-issledovatel'skii
geologorazvedochnyi institut. Trudy [All-Union Petroleum
(Scientific Research) Geological Prospecting Institute
Transactions] | Vest. rentg.
rad. (14a) | Vestnik rentgenologii i radiologii [Review of Roentgenolog
and Radiology] |
| Trudy VNIIE
(16a) | Moscow. Vsesoyuznyi nauchno-issledovatel'skii
institut elektroenergetiki. Trudy [All-Union
Scientific Research Institute of Electric Power
Engineering. Transactions] | Vest sel'skhoz.
nauk [Kazakh.]
(15a) | Vestnik sel'skokhozyaystvennoi nauki [Review of Agri-
cultural Science], Kazakhstan. |
| Trudy VSEGEI
(12c) | Leningrad. Vsesoyuznyi geologicheskii institut. Trudy
[All-Union Geological Institute. Transactions] | Vest vys
shkoly
(8a) | Vestnik vysshei shkoly [Review of Schools for Higher Edu-
cation] |
| Trudy VZEI (16a) | Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut
energetiki. Trudy [All-Union Correspondence Institute of Power
Engineering. Transactions] | Vest AN BSSR.
Ser. sel'skosp.
nav. (15a) | Akademiiya nauk BSSR, Minsk. Vestnik. Seriya sel'skosp.
darykh nauk [Academy of Sciences of the White Russia
S. S. R. Bulletin, Series in the Agricultural Sciences] |
| Trudy Zool. inst.
(13c) | Akademiiya nauk SSSR. Zoologicheskii institut. Trudy
[Academy of Sciences of the U. S. S. R. Zoological
Institute. Transactions] | Visnyk L'viv.
un. Ser. susp.
nauk (1a) | L'viv. Universitet. Visnyk. Seriya suspil'nykh nauk
[University. Review, Series in the Social Sciences] |
| TSit. i gen.
(13c) | TSitologiya i genetika [Cytology and Genetics] | Vnesh. torg.
(5a) | Vneshnaya torgovlya [Foreign Trade] |
| TSvot. met.
(16h) | TSvotnye metally [Nonferrous Metals] | Voen.-med. zhur.
(14a) | Voenno-meditsinskii zhurnal [Journal of Military Medicine] |
| Tyl i snab.
Sov. Voor.
Sil (17a) | Tyl i snabzhenie Sovetskikh Vooruzhennykh Sil [The Rear
and Supply of the Soviet Armed Forces] | Voen. znan. (17a) | Voennoye znanie [Military Knowledge] |
| Uch. zap. AGU.
Ser. biol. nauk
(13c) | Baku. Azerbaidzhan'skii gosudarstvennyi universitet.
Uchenye zapiski. Seriya biologicheskikh nauk [Azerbaijan
State University. Studies. Series in the Biological
Sciences] | Vop. bezop. v
ugol'. shakh.
(16h) | Voprosy bezopasnosti v ugol'nykh shakhtakh [Safety Problem
in Coal Mines] |
| Uch. zap. AGU
Ser. ekon.
nauk (5b) | Baku. Azerbaidzhan'skii gosudarstvennyi universitet. Uche-
nye zapiski. Seriya ekonomicheskikh nauk [Azerbaijan
State University. Studies. Series in the Economic Sci-
ences] | Vop. eksp. onk.
(14c) | Voprosy eksperimental'noi onkologii [Problems of Ex-
perimental Oncology] |
| Uch. zap. GOFI
(1a) | Gorkiy. Gosudarstvennyi pedagogicheskii institut. Uchenye
zapiski [State Pedagogical Institute. Studies] | Vop. filos. (3a) | Voprosy filosofii [Problems of Philosophy] |
| Uch. zap. Irk. gos.
ped. inst. (1a) | Irkutsk. Gosudarstvennyi pedagogicheskii institut. Uche-
nye zapiski [State Pedagogical Institute. Studies] | Vop. geog. (12b) | Voprosy geografii [Problems of Geography] |
| Uch. zap. KHGU
(1a) | Kharkov. Universitet. Uchenye zapiski [University
Studies] | Vop. ist. KPSS
(8) | Voprosy istorii KPSS [Problems in the History of the
CPSU] |
| Uch. zap. Kab.-
Balk. gos. un.
(1a) | Naichik. Kabardino-Balkarskii gosudarstvennyi universitet.
Uchenye zapiski [Kabardino-Balkar State University.
Studies] | Vop. izobr.
(10a) | Voprosy izobreteniya [Problems of Invention] |
| Uch. zap. Kaz. un.
(1a) | Kazan. Universitet. Uchenye zapiski [University Studies] | Vop. onk. (14c) | Voprosy onkologii [Problems of Oncology] |
| Uch. zap. LGU
(1a) | Leningrad. Universitet. Uchenye zapiski [University.
Studies] | Vop. rud. transp.
(10h) | Voprosy rudnogo transporta [Problems of Mine
Haulage] |
| Uch. zap. MOPI
(1a) | Moscow. Moskovskii gosudarstvennyi pedagogicheskii insti-
tut. Uchenye zapiski [Moscow State Pedagogical Institute.
Studies] | Vych. sist.
(13c) | Vychislitel'nye sistemy [Computer Systems] |
| Uch. zap. Mord.
gos. un. (1a) | Saransk. Mordovskii gosudarstvennyi universitet. Uchenye
zapiski [Mordvinian State University. Studies] | Vysokom. soed.
Ser. B (13d) | Vysokomolekulyarnyye soedineniya. Seriya B [Macromolecular
Compounds. Series B] |
| Uch. zap. Piat.
farm. inst.
(14f) | Pyatigorsk. Farmatsievicheskii institut. Uchenye zapiski
[Pharmaceutical Institute. Studies] | Za tekhn. prog.
(18a) | Za tekhnicheskii progress [For Technological Progress] |
| Ugol' (16h) | Ugol' [Coal] | Zap. Sverd. otd.
VDO (13c) | Vsesoyuznoye botanicheskoye obshchestvo. Sverdlovskoye
otdeleniye. Zapiski [All-Union Botanical Society.
Sverdlovsk Branch. Annals] |
| Ugol' Ukr. (16h) | Ugol' Ukrainy [Coal of the Ukraine] | Zashch. rast.
(15d) | Zashchita rastenii [Protection of Plants] |
| Ukr. ist. zhur.
(4a) | Ukrains'kyi istorychnyi zhurnal [Ukrainian Historical
Journal] | Zem. i
vsel (13b) | Zemlya i vselessnaya [Earth and the Universe] |
| Ukr. khim. zhur
(13d) | Ukrainskii khimicheskii zhurnal [Ukrainian Chemical
Journal] | Zemledelie (15d) | Zemledelie [Agriculture] |
| Urologia (14a) | Urologia [Urology] | Zer. i masl.
kul't. (15d) | Zernovye i maslichnye kul'tury [Grain and Oilseed
Crops] |
| Usp. fiz. nauk
(13f) | Uspokhi fizicheskikh nauk [Progress in the Physical Sci-
ences] | Zhur. anal. khim.
(13 d) | Zhurnal analiticheskoi khimii [Journal of Analytical
Chemistry] |
| Usp. mat. nauk
(13e) | Uspokhi matematicheskikh nauk [Progress in the Mathe-
matical Sciences] | Zhur. fiz.
khim. (13d) | Zhurnal fizicheskoi khimii [Journal of Physical Chem-
istry] |
| | | Zhur. mod. (16f) | Zhurnal mod [Fashion Magazine] |
| | | Zhur. neorg.
khim. (13d) | Zhurnal neorganicheskoi khimii [Journal of Inorganic
Chemistry] |
| | | Zhur. nevr. i
psikh. (14c) | Zhurnal nevrologii i psikiatrii [Journal of Neuro-
pathology and Psychiatry] |
| | | Zhur. ob.
khim. (13d) | Zhurnal obshchei khimii [Journal of General Chemistry] |

| | | | |
|---|--|---|---|
| Organicheskii khimiia (13d) | Zhurnal organicheskoi khimii [Journal of Organic Chemistry] | Zhuravskii (13d) | Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva Zhurnal [D.I. Mendeleev All-Union Chemical Society, Journal] |
| Prilozheniya khimii (16c) | Zhurnal prikladnoi khimii [Journal of Applied Chemistry] | Zhuravskii i matematika (13e) | Zhurnal vysshiegor matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics] |
| Prilozheniya khimii i fiziki (14f) | Zhurnal prikladnoi spektroskopii [Journal of Applied Spectroscopy] | Zhuravskii i nervnaya deiatel'nost' (14e) | Zhurnal vysshego nervnogo deiatel'nosti [Journal on Higher Nervous Activity] |
| Tekhnicheskii fizika (16a) | Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics] | Zhurnal i fizika (11b) | Zhurnal i fizika [Journal and Physics] |
| Uchebnye zapiski i nauchnye issledovaniia (14d) | Zhurnal uchebnykh i nauchnykh issledovaniy [Journal of Academic and Scientific Research] | Zoologicheskii zhurnal (19c) | Zoologicheskii zhurnal [Zoological Journal] |

1880

- ACROLEIN**
Reaction of acrolein with allyl phenylthiohydrazide, P. A. V. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACRYLAMIDE**
Catalytic polymerization of acrylamide in the presence of a catalyst, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACRYLIC ACID**
Reaction of acrylic acid with acrylonitrile, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACRYLONITRILE**
Reaction of acrylonitrile with acrylonitrile, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACRYLONITRILE-SPECTRA**
Infrared spectra of acrylonitrile, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACRYLONITRILE POLYMERS**
Polymerization of acrylonitrile, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACTING FOR TELEVISION**
Acting for television, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACTINIDE COMPOUNDS**
Actinide compounds, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACTINIDE ELEMENTS**
Actinide elements, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACTINOMYCES**
Actinomycetes, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ACTINOMYCES—CULTURES AND CULTURE MEDIA**
Actinomycetes—cultures and culture media, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADDITION REACTIONS**
Addition reactions, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADENAUER, KONRAD, 1878-1966**
Adenauer, Konrad, 1878-1966, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADENOSINE TRIPHOSPHATES**
Adenosine triphosphates, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADENOVIRUS INFECTIONS**
Adenovirus infections, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADENOVIRUSES**
Adenoviruses, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADENOVIRUSES—CULTURES AND CULTURE MEDIA**
Adenoviruses—cultures and culture media, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADHESION**
Adhesion, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADHESIVES**
Adhesives, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADIPIAC ACID**
Adipic acid, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADIPOSE TISSUES**
Adipose tissues, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADMINISTRATION OF CRIMINAL JUSTICE**
Administration of criminal justice, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADMINISTRATION OF JUSTICE**
Administration of justice, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADOLESCENCE**
Adolescence, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADRENAL CORTEX**
Adrenal cortex, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADAPTATION (BIOLOGY)**
Adaptation (biology), V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.
- ADAPTIVE CONTROL SYSTEMS**
Adaptive control systems, V. A. *Dokl. Akad. Nauk SSSR* 173 no. 2 1967 11-12 Mr '67.

ADRENAL GLANDS

Content of adrenaline and noradrenaline in the adrenal glands of developing chick embryos. L. G. Leibson, I. M. Stabrovskii. *Fiziol zhur* 18 no. 7:857-863, 1962

ADRENAL GLANDS—BLOOD SUPPLY

Effect of some hypothalamic nuclei on corticosterone content in venous blood of irradiated rat adrenal glands. G. V. Chitovskii. *Soob AN Gruz SSR* 45 no. 2:507-512, 1967

ADRENAL GLANDS—EXCISION

Age-related characteristics of the effect of adrenalectomy on albumin-globulin coefficient of blood serum and the body weight of white rats. V. N. Nikitin, L. A. Bil'ko. *Uch zap KHGU* 131:105-109, 1962

ADRENAL GLANDS—INFLAMMATION

Treatment of paraneoplasia. M. I. Kozlov, Khim. zhur. 43 no. 1:102-103, 1967

ADRENAL GLANDS—SURGERY

Characteristics of the development of the exudative phase of aseptic inflammation in adrenalectomized animals. I. A. Ovin and others. *Pat. fiziol i eksp ter ap* 11 no. 2:16-21, 1967

ADRENAL STEROIDS see Adrenocortical hormones

ADRENALINE—PHYSIOLOGICAL EFFECT

Effect of adrenaline on hemoglobin metabolism. T. V. Tokina. *Biol eksp biol i med*, 63 no. 5:22-24, 1967

ADRENALINE IN THE BODY

Content of adrenaline and noradrenaline in the adrenal glands of developing chick embryos. L. G. Leibson, I. M. Stabrovskii. *Fiziol zhur*, 18 no. 7:857-863, 1962

ADRENOCORTICAL HORMONES

Effect of catecholamines and hormones of the adrenopituitary system on the electrical activity of the brain in rabbits. Kh. M. Markov, *Fiziol zhur*, 19 no. 10:1137-1144, 1963

ADSORBENTS

Reactivity compensation of nuclear reactors by means of fission burn-up adsorbents. V. N. Antunkin, A. V. Voronkov. *Atom. energ*, 22 no. 3:215-218, 1967

ADSORPTION

Adsorption and electrooxidation of methane on electrodes of platinum metals. R. V. Maizov, O. A. Politi. *Elektrokhimiya* 3 no. 2:153-161, 1967

Adsorption of acetone vapors by activated carbon at low temperatures. V. N. Kiz'lov, I. P. Usatkin, V. M. Shelnikov. *Khim. i tekhn. topl. i masel* 12 no. 4:17-19, 1967

Adsorption of cobalt from its solution in NaOH on the surface of germanium, silicon, and quartz. V. S. Sotnikov, L. I. Dymov, A. S. Belanovskii. *Elektrokhimiya* 3 no. 2:253-256, 1967

Adsorption of fatty acids from aqueous solutions on hydrophobic hydride- and methylpolysiloxanes. I. B. Shibaeva, G. B. Budkevich. *Uch. khim. zhur*, 33 no. 2:157-161, 1967

Adsorption of formaldehyde on platinum electrode. Nature of adsorbed particles. N. Minakshidandani, IU, 14, Vasil'ev, V. S. Bagotskii. *Elektrokhimiya* 3 no. 2:193-196, 1967

Adsorption pie-waves in the systems juglone - hydroquinone, methylene blue - leucoform, and hydroflavin - riboflavin. G. V. Fedotkin, E. I. Khmel'nitskaya, I. A. M. Zolotovskii. *Elektrokhimiya* 3 no. 2, 200-203, 1967

Adsorption-solubility properties of asclanin modified by various nitrogen-containing organic compounds. G. V. Tshitshevskii, M. S. Shmukhovich. *Soob. AN Gruz. SSR* 45 no. 2:371-378, 1967

Binding energy of adsorbed cesium atoms with faces (110) and (100) of tungsten crystals. V. M. Gavriluk and others. *Fiz. tverd. tela* 9 no. 1:126-128, 1967

Calculation of the continuous process of adsorption in a single-stage apparatus with a fluidized sorbent bed. V. A. Astakhov, V. N. Lopatin, P. G. Romanov. *Zhur. prikl. khim.* 40 no. 1:864-870, 1967

Effect of adsorbents on development and activity of microorganisms. D. G. Zviagintsev. *Nauch. dokl. vys. shkoly; biol. nauk* 10 no. 3:97-110, 1967

Effect of hydrogen-ion concentration on the adsorption of inorganic colloidal substances at the hydrosol - solid interface. L. D. Sklyev, L. N. Kalkina. *Zhur. prikl. khim.* 40 no. 4:788-801, 1967

Modeling of chemisorption processes. N. A. Gol'dberg, V. I. Kucheravskii. *Zhur. prikl. khim.* 34 no. 1:794-800, 1961

Possible nature of some absorption bands in the infrared spectrum of catalysts and adsorbed molecules. V. I. Lakerson, L. I. Lafer, A. M. Rubinstein. *Dokl. AN SSSR* 173 no. 3:622-625, 1967

Possible role of donor-acceptor interaction in specific adsorption. V. V. Sirelko, V. A. Kuznetsovskii, Z. Z. Vysotskii. *Zhur. fiz. khim.* 41 no. 4:872-874, 1967

Reference electrode in the study of adsorption of oxygen, water vapors, and naphthalene by the condenser method of measuring contact difference of potentials. T. V. Kalish. *Elektrokhimiya* 3 no. 4:503-506, 1967

State of beryllium in diluted aqueous solutions studied by means of adsorption. A. I. Sevast'yanov, N. P. Rudenko. *Radiokhimiya* 9 no. 2:256-258, 1967

Study of the adsorption of aliphatic alcohols on mercury by means of differential capacity measurements. Part 1. Effect of the length of hydrocarbon chain and of temperature. B. B. Damaskin, A. A. Suvila, L. I. Rybak. *Elektrokhimiya* 3 no. 2:115-152, 1967

Study of the adsorption of trimethylamine on montmorillonite by means of infrared spectroscopy. IU, I. Tatarskii, N. M. Itadul, F. D. Ovcharenko. *Dokl. AN SSSR* 173 no. 3:615-617, 1967

Study of volt-potential in the course of adsorption of iodine on films of polymeric organic semiconductors. Part 2. V. P. Margulis, L. I. Boguslavskii, E. P. Okhimiin. 3 no. 1:472-476, 1967

ADULT EDUCATION

A follow-up of articles. *Mol. komm.* no. 2:65, 1967. Into the cultural fund of the people. N. Shalovskii. *Sov. profsoyuz* 23 no. 5:17-18, 1967

ADVERTISING—TRANSPORTATION, AUTOMOTIVE

What kind of advertising should be in automotive transportation? *Izv. transp.* 15 no. 1:10-20, 1967

ADYGE AUTONOMOUS PROVINCE—HISTORY

History of economic and cultural relations between Georgia and Adyge Autonomous Province. M. V. Tsintsadze. *Soob. AN Gruz. SSR* 45 no. 2:543-558, 1967

AERIAL BOMBING see Bombing, Aerial

AERIAL PHOTOGRAMMETRY

[Aerial methods] Aerometody. Moskva, (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1, 1967, 24 p.

Aerial angle of ground-stabilized aerial photographs. M. A. Blum. *Geod. i kart.* no. 3:15-16, 1967. Control in determining points in field control of aerial photographs. V. I. Prihal. *Geod. i kart.* no. 1:19-52, 1967

AERIAL PHOTOGRAPHY IN PROSPECTING

Estimating tree stands in aerophotogeodetic methods of prospecting for peat deposits. A. K. Filatov. *Trudy Kal. inzh. inst.* no. 10:164-170, 1967

AEROBIC BACTERIA see Bacteria, Aerobic

AERODYNAMICS

Investigating the effect of nonlinear factors on the vibration of a rod in a gas flow. N. S. Golikov, Izv. vuz. ucheb. zav. av. tekhn. 10 no. 1:10-17, 1967. Optimum utilization of aerodynamic forces for the maneuvering of an aircraft. V. G. Rominev. *Kosm. issl.* 5 no. 2:212-218, 1967

AERODYNAMICS, HYPERSONIC

Coefficient of the rate of flow and pressure on the surface of a hypersonic conical flow. A. M. Mikhaitan, M. P. Ovsinnikov. *Izv. vuz. ucheb. zav. av. tekhn.* 10 no. 1:121-127, 1967

AERODYNAMICS, SUPERSONIC

Calculation of supersonic flow around cuspidal nonaxisymmetric bodies. G. P. Veskruzhennik. *Zhur. vych. mat. i mat. fiz.* 7 no. 2:389-400, 1967

Flow field between the shock wave and the side surface of a blunt cone moving with high supersonic speed. I. R. Abramovskii, V. N. Chumakov. *Izv. vuz. ucheb. zav. av. tekhn.* 10 no. 1:115-142, 1967

Supersonic compressible fluid flow about two cylindrical shells. V. N. Bulvol, A. N. Gruz'. *Gidrodin. bol'skor.* no. 3:54-62, 1967

AERODYNAMICS, TRANSONIC

Carrying surface in a transonic gas flow. A. N. Panchenkov. *Gidrodin. bol'skor.* no. 3:7-20, 1967

AERONAUTICAL SPORTS

Aeronautical sports find a way to the movie screen. IA, Cherniavskii. *Kryl i rod* 18 no. 3:17, 1967

Boilers of the anniversary year. *Kryl i rod*, 10 no. 3:1, 1967

The breathing of the sky. *Kryl i rod*, 18 no. 4:18, 1967

Clubs are gaining altitude. I. Ziburskus. *Kryl i rod*, 18 no. 4:10-11, 1967

AERONAUTICAL SPORTS—STUDY AND TEACHING

Under a unified program. B. Porfirov. *Kryl i rod*, 18 no. 4:18-19, 1967

AERONAUTICS

The banner is in dependable hands. N. Balakin. *Kryl i rod*, 18 no. 3:12-15, 1967

Beginnings of a great pathway. V. Savin. *Kryl i rod*, 18 no. 3:8-10, 1967

AERONAUTICS—ABSTRACTS

[Air transportation] Ref. zhur.: Vozd, transp. no. 5, 1967. Avtor'skii ukazatel' za 1966 g.

AERONAUTICS—FLIGHTS

Nesterov's heirs. I. Kozhedub. *Tekh. i vooruzh.* 35 no. 2:6-7, 1967

AERONAUTICS—SAFETY MEASURES

Flying all conditions of a base into account. A. M. Shtegenko. *Vest. protivovozd. obr.* no. 3:61-63, 1967

AERONAUTICS—STUDY AND TEACHING

A package of success. V. Potnitsko. *Kryl i rod* 18 no. 3:15-16, 1967

AERONAUTICS, COMMERCIAL—MANAGEMENT

Rumiantseva, Z. P. [Mathematical methods in planning civil aeronautics] Matematicheskie metody v planirovaniy grazhdanskoi aviatsii. Moskva, Transport, 1967, 180 p.

AERONAUTICS, MILITARY

Air transportation. O. Pangard. *Ty. i snab. Sov. Voor.* 511 21 no. 3:72-75, 1967

AERONAUTICS, MILITARY—HYGIENIC ASPECTS

Physical exercises in flight. D. Platalkin. *Av. i kosm.* no. 4:76-78, 1967

AERONAUTICS IN AGRICULTURE

(see also subdivision under Ukraine)

Pilots talk. A. A. Gortsevskii. *Zashch. rast.* 13 no. 4:50, 1967

Recommendations for conducting agrometeorological service using aviation. V. P. Dantrenko, V. A. Kulikov, N. F. Tsupenko. *Trudy UANIGMI* no. 58:84-103, 1966. Winded assistants to farmers. V. Romashkov. *Zemledelie* 29 no. 1:15-47, 1967

AERONAUTICS IN MEDICINE

"Heavenly" doctor. A. Blinikov. *Kryl i rod*, 18 no. 4:21, 1967

AERONAUTICS IN MEDICINE—CONGRESSES

Problems of aeronautical and space medicine, at the 15th International Congress in Prague. I. M. Khachen. I. P. Kozmolvskii. *Prilozh.* no. 3:76-79, 1967

AERONAUTICS IN METEOROLOGY

(see also subdivision under Arctic regions)

Airplane automatic dosing apparatus (SADU-1). A. I. Volkov, L. A. Mikhovskii. *Trudy UANIGMI* no. 61:110-121, 1966

Cloud systems of fronts based on observations from airplanes. G. D. Roshkov. *Trudy TSU* no. 157:71-86, 1966. Comparability of heights of lower boundary of clouds determined by using instrument and from airplane. M. V. Rubinshteyn. *Trudy TSU* no. 157:15-56, 1966

AEROSOL THERAPY

Study of the reactivity and effectiveness of aerosol immunization with pulverized bivalent vaccine against typhoid fever and tetanus. I. V. Vorontsov and others. *Voen. med. zhur.* no. 1:55-58, 1967

AEROSOLS

Collecting highly dispersed aerosol in plate columns by the method of condensation enlargement. A. M. Rozon, V. M. Kostin. *Khm. prom.* 43 no. 2:63-65, 1967. Nonuniform motion of aerosol particles at small Reynolds numbers. Kh. Kh. Kolachkov. *Uch. zap. Kazan. univ.* no. 13:55-57, 1961

AEROSOLS—MICROBIOLOGY

Original design of a chamber for studying bacterial aerosols. S. S. Reichenberg, O. P. Synchukova. *Mikr. biol. i zhur.* 20 no. 2:161-164, 1967

AESTHETICS

Some problems of aesthetics. A. A. Oganyov. *Vest. obshchestv. nauk AN Arm. SSR* no. 10:20-29, 1966

AESTHETICS—STUDY AND TEACHING

Aesthetic education during classes in physics. I. Z. Ievli. *Sred. spets. obr.* 13 no. 10:43-44, 1966

Developing aesthetic feelings. S. I. Zuburko. *Rad. shkol.* 15 no. 4:79-82, 1967

Means of developing the aesthetic views of students. I. V. Kvatskovskii. *Sov. pedagog.* 31 no. 4:89-96, 1967

Unreal potentialities of pedagogy. V. Kuznetsov. *Nauk. obr.* no. 1:79-80, 1967

AFGHANISTAN—CAPITAL

Gurevich, N. M. [Study of the history of trade capital in Afghanistan] Ocherk istorii trgovogo kapitala v Afganistane. Moskva, Nauka, 1967, 140 p.

AFGHANISTAN—COMMERCE

Gurevich, N. M. [Study of the history of trade capital in Afghanistan] Ocherk istorii trgovogo kapitala v Afganistane. Moskva, Nauka, 1967, 140 p.

AFRICA—ECONOMIC CONDITIONS

Africa facing objective difficulties and its contradictions. V. G. Solodovnikov. *Mirodunar. zhizn'* 14 no. 5:84-87, 1967

AFRICA—ELEPHANTS

Elephants live near us. B. Grizmek. *Prilozh.* no. 3:102-112, 1967

AFRICA—FOREIGN ECONOMIC RELATIONS

Africa facing objective difficulties and its contradictions. V. G. Solodovnikov. *Mirodunar. zhizn'* 14 no. 5:84-87, 1967

AFRICA—LAPOR AND LABORING CLASSES

Uch zap KHGU 131 184-195 '62

AFRICA—POLITICS

Uch zap KHGU 131 184-195 '62

AFRICA—POPULATION

Uch zap KHGU 131 184-195 '62

AFRICA—TOPOGRAPHY

Uch zap KHGU 131 184-195 '62

AFRICA, SOUTHWEST—INTERNATIONAL STATUS

Uch zap KHGU 131 184-195 '62

AFRICAN STUDIES

Uch zap KHGU 131 184-195 '62

AGABAYANTS, GEORGI GERASIMOVICH, 1901-1967

Uch zap KHGU 131 184-195 '62

AGARAY (ARMENIA)—DRESSING—EQUIPMENT AND SUPPLIES

Uch zap KHGU 131 184-195 '62

AGARASE

Uch zap KHGU 131 184-195 '62

AGED

Uch zap KHGU 131 184-195 '62

AGED—SURGERY

Uch zap KHGU 131 184-195 '62

AGGLOMERATION

Uch zap KHGU 131 184-195 '62

AGGREGATES see Sol theory

AGING

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

AGRICULTURAL MACHINERY—ELECTRIC DRIVING

Uch zap KHGU 131 184-195 '62

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Uch zap KHGU 131 184-195 '62

AGRICULTURAL MACHINERY—MANAGEMENT

Uch zap KHGU 131 184-195 '62

AGRICULTURAL MACHINERY INDUSTRY

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

Uch zap KHGU 131 184-195 '62

AGRICULTURAL METEOROLOGY

Uch zap KHGU 131 184-195 '62

AGRICULTURAL PESTS

Uch zap KHGU 131 184-195 '62

AGRICULTURAL PESTS—BIOLOGICAL CONTROL

Uch zap KHGU 131 184-195 '62

AGRICULTURAL PRICES

Uch zap KHGU 131 184-195 '62

AGRICULTURAL RESEARCH

Uch zap KHGU 131 184-195 '62

AGRICULTURAL WAGES

Uch zap KHGU 131 184-195 '62

AGRICULTURAL WAGES—AUDITING AND INSPECTION

Uch zap KHGU 131 184-195 '62

AGRICULTURAL WORKERS

Uch zap KHGU 131 184-195 '62

AGRICULTURAL WORKERS—DISEASES AND HYGIENE

Uch zap KHGU 131 184-195 '62

AGRICULTURE

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

Uch zap KHGU 131 184-195 '62

- AGRICULTURE—ABSTRACTS**
[Agriculture; classed index of articles in foreign periodicals] Sel', khoz., sist. ukaz. st. v inostr. zhur., no. 4 '67.
- AGRICULTURE—ACCIDENTS**
Characteristics, causes and prevention of traumatism in agricultural workers employed in maintenance and repair. I. P. Hrabchuk, L. G. Podunova. Sov. med. 30 no. 3 69-72. Mi '67.
- AGRICULTURE—ACCOUNTING**
Solov'yev, V. D. [Rural computing bureau] Sel'skoe mashinostroyeniye blizn. Moskva, Statistika, 1966, 101 p.
- AGRICULTURE—AUDITING AND INSPECTION**
Ovsiannikov, S. G. [Economic analysis of the operation of agricultural enterprises] Ekonomicheskii analiz delatelnosti sel'skokhozyaistvennykh predpriyatiy. Izd. 2, ispr. i dop. Minsk, Vyssheshkola shkola, 1967, 208 p.
- AGRICULTURE—BIBLIOGRAPHY** see Bibliography—Agriculture
- AGRICULTURE—ECONOMIC ASPECTS**
[see also subdivision under Germany, East; Great Britain, Kuybyshev Province, United States]
More about the methods of studying the degree of the exploitation of quitrent peasants. I. D. Kovalevskaya, L. V. Milov. Ist. SSSR no. 2 223-230. Mi-Ap '67.
[On the roads toward communism] Na putyakh k kommunizmu, sbornik statei. [Leningrad] Lenzdat, 1966, 201 p.
September 1965 Minutes of the Central Committee of the CPSU and some problems of the agricultural and economic theories. A. S. Ivanov. Izv. VSKNA no. 13-21 '66.
- AGRICULTURE—FINANCE**
[see also subdivision under Ukraine]
[Purchasing prices and the net income] Zagotovitel'nye tseny i chislity dokhod. Moskva, Ekonomika, 1967, 189 p.
- AGRICULTURE—LABOR PRODUCTIVITY**
How scientific ideology affects the labor productivity of collective farmers. K. I. Nenzin. Dyt. nauk kont. no. 1, 111-157 '66.
- AGRICULTURE—MATHEMATICAL MODELS** see subdivision under Bezozvika District (Odessa Province)
- AGRICULTURE—SAFETY MEASURES** see subdivision under Donetsk Province
- AGRICULTURE—STUDY AND TEACHING**
[see also subdivision under Tselinograd; Ust'-Labinsk District]
Experimental works in agricultural schools. A. A. Iankina. Sred. shkola, obr. 13 no. 10 31-41 '66.
- AGRICULTURE, COOPERATIVE** see subdivision under Buryat A S S R, Uzbekistan
- AGRICULTURE AND STATE** see subdivision under India
- AGRICULTURISTS**
[see also subdivision under Abkhaz Territory]
Care of land. S. Shkumatov. Zemledelie 29 no. 1:68-70. Ap '67.
Status of Agronomists in plant protection. Zashch. rast. 12 no. 4:22 '67.
- ALANI, SADRIDDIN, 1878-1954**
A new museum in Tajikistan. I. S. Shagolov. Izv. AN Tadzh. SSR Otd. obshchestv. nauk no. 1 92-93 '66.
- AIR—POLLUTION**
Determining the content of noxious substances in the air. M. T. Dmitriev, U. V. Shevchukovitch, B. I. Tekh., -ekon. inform., Gos. nauch.-issl. inst. nauch. i tekhn. inform., 20 no. 4:35-37. Ap '67.
Effect of environmental air on indices of peripheral blood in naval specialists. B. G. Afanas'ev and others. Voen.-med. zhur., no. 3:60-61. Mi '67.
Evaluation of environmental air pollution in ship premises by determining the oxidizability of the air. P. I. Semkovich. Voen.-med. zhur., no. 3:51-52. Mi '67.
Our planet and we... S. Starikovitch. Sem'ia i shkola 21 no. 10:57-58. O '66.
- AIR—PURIFICATION**
Air purification in the preparatory works of the plants. E. V. Sazonov. Bezop. truda v prom. 10 no. 10:20-22. O '66.
Microclimate of an open pit. P. Simakov, D. Anilpin, P. Bukhtolov. Okhr. truda i zola. str. i shk., 10 no. 4:12-13. Ap '67.
- AIR COMPRESSORS**
Selecting the efficiency and the rates of pressure increase in compressors of gas-turbine units with a complex cycle. V. S. Bekasov, A. P. Cherenobaykin. Izv. vyzh. ucheb. zav., mashinost., no. 112-116 '67.
- AIR CONDITIONING**
New fans for local and independent air conditioning. G. S. Iulikov, S. A. Parshchik. Izv. vyzh. ucheb. zav., mashinost. no. 173-74 '67.
- AIR-ENGINES**
Engineering method of converting piston air engines for various pressures of compressed air in the system. V. V. Iushin, V. P. Kukharenko, A. F. Gaiduk. Vop. iud. transp. no. 9:263-268 '65.
- AIR-ENGINES—TESTING**
Results of stand testing DPP-15 and MP-18 air engines for rock loaders of the "Kommunist" Plant. V. V. Iushin and others. Vop. iud. transp. no. 9:258-263 '65.
- AIR PILOTS**
Coun. meetings. N. Shuchkin. Kiy. iud. 18 no. 3:6-7. Mi '67.
- AIR PILOTS—EDUCATION AND TRAINING**
On the job training of pilots at a command post. A. I. Palagushkin. Vest. protivovozd. obr., no. 3:15-17. Mi '67.
- AIR PREHEATERS**
Increasing the temperature of blast furnace blowing by shifting air preheaters to parallel work in pairs. N. K. Leonov, G. S. Kharin. Stal' 27 no. 3:201-207. Mi '67.
Technology of the replacement of air preheater blocks. L. L. Vidomskii. Tsvet. i tekhn. 13 no. 3:5-8. Mi '67.
- AIR PREHEATERS—MAINTENANCE AND REPAIR**
Repair and operation of rotating regenerative RVV-51 air preheaters. V. V. Gorbachevskii. Tsvet. i tekhn. 13 no. 12-14. Ja-F '67.
- AIR TURBINES**
Selecting the type and parameters of a turbine operated by a compressed-air bottle. O. N. Egorov, R. A. Zvereva. Izv. vyzh. ucheb. zav., mashinost. 10 no. 1:96-106 '66.
- AIR WARFARE**
At a remote boundary. V. Sultanov. Av. i kosm., no. 1:10-32. Ap '67.
Fulfilling Lenin's instructions. I. Pavlov. Kiy. iud. 18 no. 4:6-7. Ap '67.
- AIRCRAFT—COST**
Relation ship between the cost of an aircraft and the weight and resistance of airframe accessories. A. A. Kuznetsov. Izv. vyzh. ucheb. zav., mashinost. 10 no. 1:3-9. '67.
- AIRFOILS**
Effect of air suction on moment characteristics of a thin profile with a fissure. B. S. Barv. Samok. i tekhn. vozd. iud. no. 17-21 '66.
Motion of a system of heated airfoils near a solid screen with optimum distribution of circulation. P. I. Zinichuk. Gidrodin. i aerod. no. 3:71-81 '67.
Nonlinear theory of the carrying surface of arbitrary aspect ratio. A. N. Panchenko. Gidrodin. i aerod. no. 3:21-30 '67.
- AIRGLOW**
Determining the brightness of a spherically symmetrical planetary atmosphere. O. I. Smolkin. Izv. AN SSSR Fiz. at. i kosm. 3 no. 1:383-393. Ap '67.
Generation of electric fields in the magnetosphere and acceleration of aurora particles. V. P. Shchegolev. Geomag. i aer. 7 no. 2:213-247. Mi-Ap '67.
Relation between the pulsations of P2 geomagnetic field and the pulsations of the luminosity of auroras. A. N. Namygaladze, O. M. Raspopov, V. K. Roldugin. Geomag. i aer. 7 no. 2:376-378. Mi-Ap '67.
Scheme of elementary disturbance in auroras on the day side of the earth. G. V. Starikov, I. A. I. Feldshchik. Geomag. i aer. 7 no. 2:367-369. Mi-Ap '67.
- AIRPLANES**
Soviet airplanes. Kiy. iud. 18 no. 3:26-27. Mi '67.
Soviet airplanes. Kiy. iud. 18 no. 4:22-23. Ap '67.
- AIRPLANES—AERODYNAMICS**
New way for reducing the resistance of an airplane. V. Spitsyn, A. Sokolov. Av. i kosm., no. 1:63-69. Ap '67.
- AIRPLANES—ELECTRONIC EQUIPMENT**
The joy of creation. A. Chzov. Tekhn. i vooruzh. 25 no. 4:32-33. Ap '67.
- AIRPLANES—HANDLING CHARACTERISTICS**
Gyroscopic platform. A. K. Neusypin. Vest. protivovozd. obr. no. 3:64-67. Mi '67.
- AIRPLANES—JET PROPULSION**
TU-154 reaches the lines. S. M. Eger. Av. i kosm., no. 4:36-38. Ap '67.
- AIRPLANES—MAINTENANCE AND REPAIR**
Engineer and economic work. N. Medvedev. Av. i kosm., no. 4:58-62. Ap '67.
Inspired labor. N. Kon'kov. Tekhn. i vooruzh. 25 no. 3:20-21. Mi '67.
Master of the airplane. S. Mukha. Kiy. iud. 18 no. 3. 11. Mi '67.
- AIRPLANES—MODELS**
Airplane models at takeoff. V. P. Iutenko. Kiy. iud. 18 no. 3:20. Mi '67.
Competition is a holiday. Kiy. iud. 18 no. 4:28-29. Ap '67.
Creativeness, labor, flight. M. Lebedevskii. Kiy. iud. 18 no. 3:20-21. Mi '67.
Experimental aircraft. A. Vasil'ev. Kiy. iud. 18 no. 3. 29-31. Mi '67.
Experiments and creative searching. V. Vasil'chenko. Kiy. iud. 18 no. 4:30-31. Ap '67.
To help participants of the anniversary spartakiada. Kiy. iud. 18 no. 3 insert I-VIII. P '67.
- AIRPLANES—NUCLEAR POWER PLANTS**
Production and practical use of gas ionization currents. G. I. Kusikova. Uch. zap. Khark. gos. univ. no. 13:165-171. '61.
- AIRPLANES—PILOTING**
Vertical roll. V. Martem'yanov. Kiy. iud. 18 no. 3. 22-23. Mi '67.
- AIRPLANES—WEIGHT**
Using the methods of mathematical statistics in determining the weight of an empty aircraft. M. A. Kabanova. Samolety i tekhn. vozd. iud. no. 1:4-11 '66.
- AIRPLANES—WINGS**
Stress analysis of thin-walled box-spar wings. M. B. Vukobratov. Izv. vyzh. ucheb. zav., mashinost. 10 no. 1:118-112. '67.
- AIRPLANES, MILITARY**
Rocket-bearing, long-range aircraft. S. Bublikov. Tekhn. i vooruzh. 25 no. 3:26-27. Mi '67.
- AIRPLANES, MILITARY—FLIGHT TESTING**
In the fifth ocean (conclusion). P. Stepanovskii. Av. i kosm., no. 1:79-82. Ap '67.
- AIRPLANES, MILITARY—MAINTENANCE AND REPAIR**
Dangerous carelessness. A. Ugarov. Av. i kosm., no. 1:70-71. Ap '67.
- AIRPORTS—EMPLOYEES** see subdivision under Vukovo (Moscow Province)
- AIRPORTS—RUNWAYS**
Repairing a soil runway. V. Ermol'chuk, D. Ipatov. Av. i kosm., no. 4:60-61. Ap '67.
- AKACHAN VALLEY—LEAD ORES**
Continuation of lead-zinc mineralization of South Verkhoyansk ore region in Akachan basin. V. F. Tsyhko. Geol. i geofiz. no. 12:124-125 '66.
- AKACHAN VALLEY—ZINC ORES**
Continuation of lead-zinc mineralization of South Verkhoyansk ore region in Akachan basin. V. I. Tsyhko. Geol. i geofiz. no. 12:124-125 '66.
- AKMOLINSK** see Tselinograd
- AKMOLINSK PROVINCE** see Tselinograd Province
- AKTASH REGION (SAMARKAND PROVINCE)—QUARTZITES**
Genesis of quartzites of Aktash deposits. K. S. Zubrilina. Nauch. trudy TashGU no. 273:57-62 '66.
- AKTYUBINSK—FOUNDING—STUDY AND TEACHING**
Acquainting the students with forging and founding. V. S. Stavenko. Shkola i prol. 11 no. 3:13-16. Mi '67.
- AKTYUBINSK PROVINCE—ROOTS (BOTANY)**
Growth of the root systems of some crops in penneplain sandy solonchak soils in Aktyubinsk Province. Sh. M. Chukhlov and others. Vest. sel'khoz. nauk i razvitiy 10 no. 3:8-13. Mi '67.
- ALANI**
Gaglohi, U.S. [Alani and problems of the ethnogenesis of the Ossetes] Alani i voprosy etnogeneza osetin. Tbilisi, Metakoreia, 1966, 253 p.
- ALANINE**
Synthesis of poly- α -glycylglycyl alanines by reaction in chains of poly- α -chloroacetylhydrolanes. S. S. Ivanov, L. P. Gavriluchenkova, M. M. Kutov. Vysokom. speed Ser. B no. 1:16-40. Ja '67.
- ALASKA—IONOSPHERIC RESEARCH**
Recording possibility of the "gamma-glow" effect of the high-altitude thermonuclear explosion of July 9, 1962, by ionospheric stations in Alaska and Western Siberia. S. I. Kozlov. Kosm. issl. 5 no. 2:225-230. Mi-Ap '67.
- ALATAU, ZAILIYSKIY** see Trans-Ili Alatau
- ALAZANI VALLEY—PALEOGEOGRAPHY**
Paleogeography of upper part of Iori and Alazani interfluvies in Upper Pliocene and Post-Pliocene. B. P. Dzhadzhandze, G. N. Khutiskatel, G. K. Chichua. Soob. AN Gruz. SSR 15 no. 2:421-426. I '67.
- ALBEDO**
Energy and numerical albedo of γ -radiation. B. P. Bulatov, N. F. Andriushin. Atom. energ. 22 no. 4:307-308. Ap '67.

1912-1913. I. M. Masarik. No. vrem 25 no 22.

1. El'machkov, Zhur. neorg khim 12 no. 3-827-
29 M^o '67.

ALI METAL CHLORIDES

1. Study of the solubility coefficients and osmotic coefficients of rubidium and cesium chlorides in water at freezing point. R. I. Safonova, I. U. M. Kessler, I. V. Safonova. Elektrokhimika no. 4-516-518 Ap '67.

ALKALINE EARTH COMPOUNDS—THERMAL PROPERTIES
Thermal properties of the compounds of alkaline earth
metal perchlorates with pyridine. L. I. Chudinova.
Zhur neorg. khim. 12 no. 3, 365-67 (1967) (English transl.)

ALKALINE EARTH COMPOUNDS—THERMODYNAMICS

Thermodynamic properties of alkaline earth molybdates. T. N. Rozukhina, V. A. Levitskiy. Izv. AN SSSR Neorg. mat. 3 no. 1138-145 Ja '67.

ALKALINE EARTH METALS

Sorption of ultraviolet compounds of alkaline earth metals from concentrated solution of sodium hydroxide and ammonium chloride on oxidized carbon. I. A. Parkovskaya. Ukh. Khim. Zhur. 13 no. 4 111-116 '67.

ALKALOIDS

Alkaloids in meadow saffron of Uzbekistan. M. F. Iusupov, A. S. Sadykov. Nauch. trudy TashGU no. 288 Khim. nauki no. 16 56-62 '66.

Pharmacological properties of calligonine alkaloid. S. D. Sokolov. Nauch. trudy TashGU no. 286 Khim. nauki no. 16-80-81 '66.

Study of alkaloids in *Sophora pachycarpa* C. A. M. J. seeds. Kh. A. Aslanov and others. Nauch. trudy TashGU no. 286 Khim. nauki no. 16 63-66 '66.

ALKALOSIS

Acid-base equilibrium in tetanus patients during the treatment with curarelike preparations combined with artificial respiration. V. I. Dubrovskaya. Sov. med. 27 no. 8 60-67 Ap '67.

ALKANES see Paraffins

ALKENES see Olefins

ALKYL GROUPS—PHYSIOLOGICAL EFFECT

Chemical activity of alkyl-substituted cyclopropane-carboxylic acids. I. I. Dzhigit and others. Farm. izvest. 30 no. 2 100-203 Mi-Apr '67.

ALKYL HALIDES

Some regularities in the nuclear quadrupole resonance frequency variations of C^{13} and reactivity in the series of alkyl halides and acid chlorides. A. A. Netynsheva and others. Dokl. AN SSSR 173 no. 3 585-588 Mi '67.

ALKYLATION

Alkylation of tetrahydrofuran by alkenes and unsaturated ethers. N. I. Shukin, B. I. Ichedev. Izv. AN SSSR Ser. Khim. no. 1 639-641 Mi '67.

Alkylation of tetrahydrofuran. N. I. Shukin, B. I. Ichedev, I. P. Iakovlev. Izv. AN SSSR Ser. Khim. no. 3 611-610 Mi '67.

Asymmetrical organic α -oxides. Part 27. Alkylation of α -alkoxy- β -valerolactones. G. G. Ponomarev, N. I. Kupceva. Zhur. obshch. khim. 3 no. 3 177-179 Mi '67.

Chromatographic determination of linal in the cresol fraction alkylated by isobutylene. N. A. Kudrinskaya and others. Khim. i tekhn. topol. i masov. 12 no. 3 51-56 Ap '67.

Electroalkylation of vinylidene chloride. L. S. German, I. I. Khandanov. Izv. AN SSSR Ser. Khim. no. 1 674-677 Mi '67.

Ortho-effect in the reactions of phenol alkylation. N. M. Kuvshinov and others. Dokl. AN SSSR 171 no. 4 832-833 Ap '67.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLANITE—ANALYSIS

Determining rare earth elements in orthites. V. S. Bykova. Trudy VSEGEI 125:57-61 '66.

ALLANTOIN

Effect of adenosine triphosphate acid and vitamin B₁₂ on allantoin content in white rat urine. V. N. Nikitin, N. Pavlov, L. A. Muratova. Uch. zap. KGU 131 59-65 '62.

ALLERGY

Antiallergic effects in radiation lesions. N. N. Klimpai-skala. Med. rad. 12 no. 1 78-84 Ap '67.

Radioleptop examination of the liver function in medicinal toxicallergic reactions in patients with tuberculosis. A. M. Vukobratov. Med. rad. 12 no. 1 62-66 Ap '67.

Study of the effect of nicotinic acid and its amide on allergic reactivity of the skin. V. G. Akimov. Sov. med. 30 no. 3 53-57 Mi '67.

ALLOXAN

Effect of alloxan on bile secretion in sheep. I. F. Sovetnikov. Trudy Oren. otd. Vses. fiziol. obshch. no. 3 274-277 '64.

ALLOYS

Crystalline structures of compounds in the systems Nd-Al, Y-Al, and Gd-Al (polymorphic communication). P. I. Kiplovich, E. I. Gladyshevskii. Kristallografiya 6 no. 318 Ja '67.

Replacing OTS 6-6-3 bronze with TSAM-9-1, 5 alloy. L. E. Borodianskii, A. A. Iukhmetov. Stroitel. mash. 12 no. 4:37 Ap '67.

ALLOYS—ELECTRIC PROPERTIES

Selective isolation and study of intermetallic and carbide phases from Ni-Cr-Al-C alloys. R. B. Golubitsova. Dokl. AN SSSR 173 no. 2 319-319 Mi '67.

ALLOYS—METALLOGRAPHY

Possibility of making use of channeling, shadow, and other effects connected with the passage of particles through single crystals for the study of alloys. A. A. Smirnov. Fiz. metal. i metalloved. 23 no. 3 385-390 Mi '67.

Studying microcharacteristics of deformation of real alloys. A. V. Gutsev, L. V. Kutsa, I. D. Khoshin. Izv. AN SSSR, Met. no. 2 122-129 Mi-Apr '67.

ALLOYS—SOLUBILITY

Solubility of cadmium, magnesium, antimony, and tin in lead during hardening of alloys from liquid state. N. I. Varich, A. A. Likhin. Zhur. fiz. khim. 41 no. 4, 841-848 Ap '67.

ALLOYS—THERMAL PROPERTIES

Half effect in an iron alloy at low temperatures. E. P. Sytnina, I. V. Nemchinov. Fiz. tverd. tela 9 no. 3 701-705 Mi '67.

ALLUVIAL PLAINS

Use of the methods of the mathematical statistics in determining the relation between the height of floodplains and recent movements of the earth's crust. L. N. Bykinskaya. Izv. AN SSSR, Ser. geog. no. 2 77-84 Mi-Apr '67.

ALLUVIUM

Determining characteristics of strength of tenacity of alluvial soils based on peculiarities of their composition and physical properties. B. H. Ileskov. Dop. AN URSR Ser. B 29 no. 1 298-302 Ap '67.

Mechanism of orientation formation of pebbles in alluvium. A. A. Lazarenko, E. V. Semenov. Dokl. AN SSSR 172 no. 6 1401-1404 F '67.

ALLUVIUM—ANALYSIS see subcategory under Ingal Valley; White Russia

ALLYL COMPOUNDS

Synthesis and thermal rearrangement of allyl esters of phosphinic acids. A. N. Padoik, I. M. Alad'heva, L. V. Spitina. Zhur. obshch. khim. 37 no. 3 700-706 Mi '67.

ALMA-ATA—FLOUR MILLS

Improving the systems of the automatic control of pile forming machines at the Alma-Ata Milling Combine. I. Matvienko. Mash. i elek. st. no. 11 21-22 Mi '67.

ALMA-ATA—HOUSEHOLD APPLIANCES, ELECTRIC
Factory of the future. M. Lazarenko. Nauk. khoz. Kazakh. 18 no. 11 71-72 N '66.

ALMA-ATA—PARASITES—CARP

Dynamics of carp parasites in Alma-Ata fish farm. G. S. Dzhirava. Trudy Inst. zool. i zool. zh. SSSR 27 98-125 '67.

ALMA-ATA—TELEVISION BROADCASTING

"Born in fire." Z. Vasil'eva. Sov. radio i tel. 9 no. 1 9 '60.

ALMA-ATA—TELEVISION IN AGRICULTURE

This is now very important. B. Slanov, M. Golub'. Sov. radio i tel. 9 no. 2 23-21 '60.

ALMA-ATA PROVINCE—AGRICULTURE

Ways for improving land utilization and settlements in Alma-Ata Province in connection with the development of agriculture. P. S. Karlov. Vest. sel'khoz. nauki [Kazakh.] 9 no. 12 10-16 D '66.

ALMA-ATA PROVINCE—DUCKS—DISEASES AND PESTS

Biology of the peritonitis of ducks in Alma-Ata Province. S. A. Lashin. Vest. sel'khoz. nauki [Kazakh.] 9 no. 12, 55-71 D '66.

ALMA-ATA PROVINCE—FORAGE PLANTS

Green forage in production plan in unimproved dry areas. P. I. Koshelova. Vest. sel'khoz. nauki [Kazakh.] 9 no. 12 109-112 D '66.

ALMA-ATA PROVINCE—GRASS PEA

Planting methods and sowing rates for grass pea in the dry-farming piedmont zone of Alma-Ata Province. K. Dosmaganbetov. Vest. sel'khoz. nauki [Kazakh.] 10 no. 3 42-45 Mi '67.

ALMA-ATA PROVINCE—INDUSTRIES

Efficiency experts are improving production. A. Ivanov. Nar. khoz. Kazakh. 18 no. 12 30-41 D '66.

ALMA-ATA PROVINCE—ONIONS

Crops preceding onions. V. V. Romanov. Vest. sel'khoz. nauki [Kazakh.] 10 no. 3 90-100 Mi '67.

ALMA-ATA PROVINCE—PEAS—IRRIGATION

Irrigation system for peas in the piedmont zone of Alma-Ata Province. A. Sh. Khafizov. Vest. sel'khoz. nauki [Kazakh.] 10 no. 3 48-50 Mi '67.

ALMA-ATA PROVINCE—PRODUCTION STANDARDS

Regularize the research work on work norms. I. Polopov. Nauk. khoz. Kazakh. 18 no. 12 17-18 D '66.

ALMA-ATA PROVINCE—TREMATODA

Studying the biology of *Dicrocoelium lanceatum* in conditions of southeastern Kazakhstan. G. Kh. Ksembaeva, V. I. Panin. Vest. sel'khoz. nauki [Kazakh.] 9 no. 12, 82-95 D '66.

ALMA-ATA REGION—FERTILIZERS AND MANURES

Effectiveness of the use of fertilizers on suburban farms of Alma-Ata. M. D. Sabitov, L. T. Sabitova. Vest. sel'khoz. nauki [Kazakh.] 10 no. 3 13-17 Mi '67.

ALMA VALLEY—GEOLOGY, STRATIGRAPHIC

New data on Lower Barrenian sediments of western Crimea (Alma basin). T. V. Astakhova, I. P. Plotnikova. Dop. AN URSR, Ser. B 29 no. 3 191-192 Mi '67.

ALMANACS, UKRAINIAN

Ukrainian Almanacs of the 1830s. P. M. Fedchenko. Rad. It. 11 no. 2 33-45 F '67.

ALOE

Aloe, its preparation and commercial growing. S. D. Gogitidze. Subtrop. kult. no. 4 112-123 '66.

ALPHA RAYS

Energy dependencies of the light yield of some organic scintillators under the influence of α -particles. I. A. Tshilin and others. Zhur. prikl. spekt. 6 no. 1 522-525 Ap '67.

ALPHA RAYS—DECAY

Studying nuclear gamma resonance after α -decay. G. N. Belozerskiy and others. Fiz. tverd. tela 9 no. 1 1252-1251 Ap '67.

ALPHA RAYS—SPECTRA

New data on α -decay of U^{233} . S. A. Baranov and others. Izd. It. 5 no. 3 518-526 Mi '67.

ALTAI MOUNTAINS

Helminth larvae of terrestrial mollusks in southern Altai. V. A. Panin. Trudy Inst. zool. AN Kazakh SSR 27 5 21 '7.

Rom, M. D. [I am a fan of Spartak, sport, travel, mountain climbing.] IA bolotu za Spartak, sport, puteshestviya, veskhozhdeniya. Alma-Ata, Zhazusky, 1965, 324 p. (MH)

ALTAI MOUNTAINS—GEOLOGICAL TIME

Absolute age of granitoids and characteristics of composition of their accessory minerals in zone of tectonic manifestations in eastern part of Kalmuk Alps in Gorny Altai. V. A. Kaluzhnyi. Izv. AN SSSR Ser. geol. no. 1 127-131 Ap '67.

ALTAI MOUNTAINS—GEOLOGY

Volkov, V. V. [Basic features of the geological development of the Gorny Altai; Late Pre-Cambrian and Early Paleozoic.] Osnovnye zakonnoosti geologicheskogo razvitiya Gornogo Altaya, pozdni dokembrii i ranni paleozoi. Novosibirsk, Nauka, 1966, 180 p.

ALTAI MOUNTAINS—GRANITE

Absolute age of granitoids and characteristics of composition of their accessory minerals in zone of tectonic manifestations in eastern part of Kalmuk Alps in Gorny Altai. V. A. Kaluzhnyi. Izv. AN SSSR Ser. geol. no. 1 127-131 Ap '67.

ALTAI MOUNTAINS—MINERALS

Noble-tantalite from Altai. B. A. Makarovskii, I. V. Nikiforov. Geol. i geofiz. no. 12 117-119 '66.

ALTAI MOUNTAINS—QUARTZITE

Genesis of quartzites containing iron of Vydrikhinsk complex metal ore manifestation in northern part of Rudnyy Altai. I. A. Chernenko. Geol. i geofiz. no. 12 111-115 '66.

ALTAI TERRITORY—AGRICULTURISTS

Agronomists. G. Klepikov. Zemledelie 29 no. 4 67-68 Ap '67.

ALTAI TERRITORY—COLLECTIVE FARMS

Zolenskii, V. I. [Native places; sketches.] Rodnye mesta; ocherki. [Baruaal, Altai'skoe knizhnoe izd-vo, 1965] 93 p. (MH)

ALTAI TERRITORY—COMMUNIST EDUCATION

We must demand as well as help. B. Antonov. Agitator 13 no. 9 30-31 My '67.

ALTAI TERRITORY—EVENING AND CONTINUATION SCHOOLS

A teenager has come to school. V. V. Iarmolinskii. Vech. shkol. shkola 10 no. 2 43-45 Mi-Apr '67.

ALTAI TERRITORY—GRAIN ELEVATORS—HYGIENIC ASPECTS

Pure air as the most important condition for labor protection. V. N. Chavov. Muk. i el. prom. 33 no. 3 29 Mi '67.

ALTAI TERRITORY—MINERAL INDUSTRIES

Improve the leadership organization of sections. V. Zavarzin. Nar. khoz. Kazakh. 18 no. 12 11-13 D '66.

ALTAI TERRITORY—NONFERROUS METAL INDUSTRIES

For complete and comprehensive utilization of Altai ores. I. Shchetinin. Nar. khoz. Kazakh. 18 no. 12 8-10 D '66.

- ARCTIC FOX (Continued)**
Seasonal changes in hair coat of blue Arctic foxes. L. G. Kalitsa, E. A. Korshunova, P. N. Saunina. *Trudy Morsk. i okeanogr.* 16:174-178 '57.
- Size of digestive tract and speed of food passage in blue Arctic foxes. E. V. Pozdniakov. *Trudy Morsk. i okeanogr.* 16:109-115 '57.
- ARCTIC OCEAN—ICE**
Effect of meteorological factors on ice formation time. I. U. P. Potonin, A. V. Smetannikova. *Trudy ANII* 257:45-56 '67.
- ARCTIC OCEAN—ICE—MAPS**
Accuracy of aerial observations and mapping of sea ice. A. V. Bushuev, V. S. Loshchilov. *Trudy ANII* 257:81-92 '67.
- ARCTIC OCEAN—NAVIGATION**
Fundamentals of methodology for calculation of redistribution of ice in Arctic seas in navigation period under influence of wind. E. G. Nikiforov and others. *Trudy ANII* 257:5-25 '67.
- ARCTIC OCEAN—OCEANOGRAPHY**
Vertical-turbulent exchange in region of Faeroe-Shetland Channel. S. G. Bugoslavskii and others. Eksp. inform. Mor. i okeanogr. Inst. AN URSS no. 3:29-31 '66.
- ARCTIC OCEAN—SEA ICE DRIFT**
Fundamentals of methodology for calculation of redistribution of ice in Arctic seas in navigation period under influence of wind. E. G. Nikiforov and others. *Trudy ANII* 257:5-25 '67.
Results of expeditionary studies of drift and dynamics of ice cover in Arctic basin in spring of 1961. A. V. Bushuev and others. *Trudy ANII* 257:26-31 '67.
- ARCTIC REGIONS**
Roam, M. D., [I am a fan of Spartak, sport, travel, mountain climbing] IA boletn za Spartak, sport, put-shestviya, voshkhodheniya. Alma-Ata, Zhazusky, 1965 324 p.
- ARCTIC REGIONS—AERONAUTICS IN METEOROLOGY**
Accuracy of aerial observations and mapping of sea ice. A. V. Bushuev, V. S. Loshchilov. *Trudy ANII* 257:81-92 '67.
- ARCTIC REGIONS—ATMOSPHERIC PRESSURE**
Changes of ice conditions of Laptev Sea in connection with variations of pressure field in the Arctic. V. I. Zakharov. *Trudy ANII* 257:77-72 '67.
- ARCTIC REGIONS—DELTA—HYDROLOGY**
Hydraulic calculation of elements of water regime in river deltas of Arctic zone. K. V. Gushchin. *Trudy ANII* 278:5-21 '67.
- ARCTIC REGIONS—MAGNETIC STORMS**
Magnetic activity in high latitudes of the Northern Hemisphere during the IG3. H. G. Afanasya, I. I. Fed'chik in Geomagn. aer. 7 no. 2:171-176 Mar-Apr '67.
- ARCTIC REGIONS—MAN—INFLUENCE OF CLIMATE**
Devotion to physical culture. R. Dvorkin, A. Sedov. *Priroda Sov. Vostoka* 27 no. 1:57-53 Apr '67.
- ARCTIC REGIONS—VIEWS**
Here begins the day of the motherland. *Sov. profsoyuz* 23 no. 5:11-16, 24-25 May '67.
- ARGILLITE** see subdivision under Tatar A. S. S. R., Udmurt A. S. S. R.
- ARGON**
Argon of ancient atmosphere in minerals of sedimentary rocks. V. V. Cherdyn'tsev, E. M. Kolesnikov. *Dokl. AN SSSR* 165 no. 6:1105-1108 11 '65.
Origin and regularities of distribution of argon in underground waters of oil- and gas-bearing basins. L. K. Gutsalo. *Geokhimiya* no. 2:250-253 F '67.
- ARISTOTLE**
Nepobedimyi David. [Interpretation of Aristotle's "Analytics." Translated from the Old Armenian] Tolkovaniye analitiki Aristotela. Svodnyi kriticheskiy tekst, redits. i primечaniya S. S. Areyastatsiana. Erevan, Izd-vo Armianskoi SSR, 1967 153 p. [In Armenian and Russian]
- ARITHMETIC—STUDY AND TEACHING**
Arithmetic dictation as a means of checking the aptitude in mental arithmetic. E. I. Borol'benko. *Nach. shkola* 35 no. 4:52-53 Apr '67.
Giving a rudimentary knowledge of electric engineering in the solving of problems in arithmetic. L. B. Golynskii. *Nach. shkola* 35 no. 1:10-51 Apr '67.
Mental arithmetic on everyday themes. I. B. Utkina. *Nach. shkola* 35 no. 4:52-53 Apr '67.
Reviewing covered material in arithmetic. N. G. Utkina. *Nach. shkola* 35 no. 4:46-49 Apr '67.
Test papers: arithmetic. M. A. Bantova, G. V. Bel'tukova. *Nach. shkola* 35 no. 4:63-66, 91 Apr '67.
- Who can do it faster? V. N. Shuraeva. *Nach. shkola* 35 no. 1:54 Apr '67.
- ARKHANGEL'SKII, NIKOLAI KONSTANTINOVICH, 1903-1964**
N. K. Arkhangel'skii; obituary. *Neftnik* 10 no. 2:36 F '65.
- ARMENIA—CHEMISTRY, TECHNICAL**
Efficient system for complex processing of gasoline fractions. G. Gazarian. *Prom. Arm.* 10 no. 2:21-26 '67.
- ARMENIA—COMMUNIST PARTY OF THE SOVIET UNION**
Struggle of the Pitsun County organization of the Communist Party (Bolshevik) of Armenia for the party policy, 1926-1929. A. P. Mkrtchian. *Vest obshchestva. nauk AN Arm. SSR* no. 10:1-19 Oct '66.
- ARMENIA—CONSTITUTION**
Armenian S. S. R. Constitution. [Constitution (fundamental law) of the Armenian Soviet Socialist Republic. With amendments adopted at the fourth, fifth, sixth, and seventh sessions of the Sixth Supreme Soviet of the Armenian S. S. R. | Konstitutsiya (osnovnoi zakon) Armianskoi Sovetskoi Sotsialisticheskoi Respubliki. S izmeneniyami i dopolneniyami, prilozhymi na chetvertoy, p'yatoy, shesto i sed'moy sessiyakh Verkhovnogo Soveta Armianskoi SSR shestogo sozyva. Erevan; Afanasya, 1966 28 p. (NIC)]
- ARMENIA—COPPER MINES AND MINING**
First gathering of borers. A. Arzumanyan. *Prom. Arm.* 10 no. 2:63 '67.
Reactivation of Kafan. M. Petrosian. *Prom. Arm.* 10 no. 2:52-53 '67.
- ARMENIA—ECONOMIC CONDITIONS**
Some results of the economic reform. *Prom. Arm.* 10 no. 2:6-7 '67.
- ARMENIA—ECONOMIC POLICY**
What economists are saying. *Prom. Arm.* 10 no. 2:3-5 '67.
- ARMENIA—EDUCATION**
Intellectuals are an active force in the building of communism. A. Kochinian. *Priroda Sov. Vostoka* 27 no. 1:57-53 Apr '67.
- ARMENIA—FERTILIZERS AND MANURES**
Studying the effectiveness of fertilizers for farm crops in some zones of Armenia. Zh. S. Rafailian and others. *Agrokhimiya* no. 1:71-81 Apr '67.
- ARMENIA—FORTIFICATIONS, OLD**
Amber in the 10th-11th centuries. S. V. Arutunian. *Vest obshchestva. nauk AN Arm. SSR* no. 10:88-95 Oct '66.
- ARMENIA—HYDROELECTRIC POWER STATIONS—DESIGN AND CONSTRUCTION**
182 running meters in 31 days. K. Akopjan. *Prom. Arm.* 10 no. 3:10-10 '67.
- ARMENIA—INDUSTRIAL ENGINEERING**
Improving technical level of production output. L. Sankhan. *Prom. Arm.* 10 no. 3:3-5 '67.
- ARMENIA—INDUSTRIAL MANAGEMENT**
Production is the center of attention. A. Ovakhimian. *Prom. Arm.* 10 no. 3:68-69 '67.
Some conditions for the transfer of an enterpriser to new methods of planning. K. Zatsatsian. *Prom. Arm.* 10 no. 3:36-37 '67.
- ARMENIA—INDUSTRIES—PERIODICALS**
Readers about our periodical. *Prom. Arm.* 10 no. 3:64-66 '67.
- ARMENIA—INTELLECTUAL LIFE**
A valuable monograph. N. V. Manukian. *Prom. Arm.* 10 no. 3:74-76 '67.
- ARMENIA—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Scientific and technological societies and industrial production. K. S. Mkrtchian. *Prom. Arm.* 10 no. 2:40-61 '67.
- ARMENIA—MINING ENGINEERING**
Innovators are coming. A. Ter-tsiyev. *Prom. Arm.* 10 no. 3:62 '67.
- ARMENIA—OFFICIALS AND EMPLOYEES—TRAVEL REGULATIONS**
Regulations for the legalization of missions. *Prom. Arm.* 10 no. 3:70-71 '67.
- ARMENIA—RESEARCH, INDUSTRIAL**
Cooperating with industrial production. V. Khanchikyan. *Prom. Arm.* 10 no. 3:52-53 '67.
Science and reform. A. Arakelian. *Prom. Arm.* 10 no. 2:51-57 '67.
- ARMENIA—SET THEORY**
Efficiency of the production of light-weight fillers. M. Ter-Oganian. *Prom. Arm.* 10 no. 2:19-22 '67.
- ARMENIA—SOCIAL LIFE AND CUSTOMS**
New way of life of the collective farmers of Migavan, a village in the Artashat District of the Armenian S. S. R. A. P. Panian. *Sov. cin.* no. 2:110-119 Apr '67.
- ARMENIA—SOFT DRINK INDUSTRY**
Why is the production of carbonated beverages lagging? K. Papian. *Prom. Arm.* 10 no. 3:67-68 '67.
- ARMENIA—STATISTICS**
[National economy of the Armenian S. S. R. in 1965; a statistical yearbook] Narodnoe khozaystvo Armianskoi SSR v 1965 g., statisticheskiy ezhegodnik. Erevan, Statistika, 1966 351 p.
- ARMENIA—TECHNOLOGICAL INNOVATIONS**
Information from plants, factories, and construction sites. *Prom. Arm.* 10 no. 3:58-59 '67.
News from plants, factories, construction sites. *Prom. Arm.* 10 no. 2:67 '67.
- ARMENIA—VOLCANIC ASH, TUFF, ETC.**
Efficiency of the production of light-weight fillers. M. Ter-Oganian. *Prom. Arm.* 10 no. 2:19-22 '67.
- ARMENIAN LANGUAGE—DIALECTS** see subdivision under Azerbaijan
- ARMENIAN MINIATURE PAINTING** see Miniature painting, Armenian
- ARMORED VEHICLES, MILITARY**
From an armored car of the revolution. A. Frankin, V. Medvedev. *Tekhn. i voen. arh.* 25 no. 1:2-1 Apr '67.
- ARMS AND ARMOR, PRIMITIVE** see subdivision under Black Sea region
- ARMS AND ARMOR, SCYTHIAN**
Reconstructions of the Scythian period. H. V. Cherkasov. *Archeologiya* 18:77-101 '65.
- AROMATIC COMPOUNDS**
Calculation of conformation, of overloaded aromatic molecules. V. G. Dushkevskii, A. I. Katalgorodskii. *Fiz. i khim. eksp. fiz.* 3 no. 1:13-57 Jan-F '67.
Chemistry of electron-excited states of organic compounds. M. G. Kuz'mina and others. *Zhurn. fiz. khim.* 41 no. 4:769-775 Apr '67.
Conformation of 1, 3-alladiene halo derivatives with aromatic compounds. Part I. Reaction of mono- and dichloro-substances with aromatic hydrocarbons. A. A. Petrov and others. *Zhurn. fiz. khim.* 41 no. 4:643-649 Apr '67.
Conformation analysis of aromatic molecules. A. I. Katalgorodskii, V. G. Dushkevskii. *Fiz. i khim. eksp. fiz.* 3 no. 1:35-42 Jan-F '67.
Electrophilicity (Lewis acidity) of excited electronic states of aromatic hydrocarbons. M. G. Kuz'mina, R. A. Mikhaylov, L. N. Guseva. *Dokl. AN SSSR* 173 no. 5:1120-1131 Apr '67.
Reaction of perfluoroketones with aromatic compounds. B. K. Litvin and others. *Izv. AN SSSR, Ser. Khim.* no. 1:611-618 May '67.
- AROMATIC COMPOUNDS, EFFECT OF RADIATION ON**
Charge stabilization at low-temperature radiolysis of aromatic hydrocarbons. V. A. Tschin, N. I. A. Buben. *Khim. vys. energ.* 1 no. 1:78-83 Jan-F '67.
Photoluminescence of irradiated aromatic compounds at 77°K. V. A. Tschin, V. G. Nikolskii, N. I. A. Buben. *Khim. vys. energ.* 1 no. 1:71-77 Jan-F '67.
- AROMATIC PLANTS—ECONOMIC ASPECTS** see subdivision under Ukraine
- AROMATIZATION**
Aromatization of petroleum products of the Saingor region. M. Khundadze, Sh. Shurashvildze. *Trudy Tbil. GU* 74:345-350 '60.
- ARRHYTHMIA**
Effect of camphor on some forms of experiment arrhythmia. L. I. Zhelnovskii. *Vopr. fiz. i tekhn. med.* 30 no. 2:106-108 May-Apr '67.
- ARSENIC**
Arsenic-containing low-alloy steel. F. S. Volokhinskii, N. P. Shepachov. *Trudy VSNII MPS* no. 323:34-50 '66.
Effect of arsenic on the state of nickel and silver electrode surface in alkaline solution. V. R. Foodman, V. L. Paul. *Lekhtokhimiya* 3 no. 2:260-263 '67.
Effect of nickel on the electrolytic reduction of trivalent arsenic. S. P. Bukhman, E. B. Duzheva. *Trudy Inst. khim. nauk AN Kazakh SSR* 15:100-111 '67.
- ARSENIC COMPOUNDS**
An arsenic preparation. P. V. Gogunishvili and others. *Soob. AN Gruz. SSR* 45 no. 2:179-182 F '67.
- ARSENIC SELENIDES**
Drift mobility of charge carriers in glassy arsenic selenide. B. T. Kulomietis, E. A. Lotvedev. *Fiz. i tekhn. poluprov.* 1 no. 2:300-302 F '67.

lilies by the sun A. A. Kalyanov, Kosm issl 5
208-301 Mr-Ap '67

op, AN URSR, Ser. B 20 no. 6:403-408 May 1977.

KHABAD--SILK MANUFACTURE--HYGIENIC
SPECTS

stresses of all trades. Also in Karadzhava. (1977.
uda 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644,

- ASIA—HISTORY**
The Third All-Union Conference on the History, Culture, and Philology of the Ancient East. A. M. Reshetov. Sov. etn. no. 2:156-162. M.-Ap. '67.
- ASIA—LABOR AND LABORING CLASSES**
The Great October Revolution and the working class of the East. B. Shabaev. Az. i Afri. seg. 10 no. 5:2-7. M. '67.
- ASIA—POLITICS**
We must strengthen the unity of all anti-imperialist forces. G. Kim, G. Lozhkin. Az. i Afri. seg. 10 no. 5:16-17. M. '67.
- ASIA, CENTRAL—CLIMATE**
Climatic characteristics of storm zones over Central Asia. Shakasyanova Umri. Nauch. trudy TashGU no. 270:78-86. '66.
- ASIA, CENTRAL—STORMS**
Climatic characteristics of storm zones over Central Asia. Shakasyanova Umri. Nauch. trudy TashGU no. 270:78-86. '66.
- ASIA, CENTRAL—SWALLOWS**
Taxonomic position of the Indo smitthi Leach (Hirundinidae, Aves) of Central Asia. L. S. Stepankin. Nauch. dokl. vys. shkoly, biol. nauki 10 no. 3:30-32. '67.
- ASIA, SOUTHEASTERN—COMMERCE**
National private capital in the foreign trade of Southern and Southeastern Asian countries. M. Andreev. Vnesh. tog. 47 no. 3:10-13. '67.
- ASIA, SOUTHEASTERN—FOREIGN ECONOMIC RELATIONS—GERMANY, EAST**
Developing the trade and economic relations of the People's Republic of Poland and the Democratic Republic of Germany with South Asian countries. M. S. Pan'kin. BH. i Prilozh. no. 3:27-76. '67.
- ASIA, SOUTHEASTERN—FOREIGN ECONOMIC RELATIONS—POLAND**
Developing the trade and economic relations of the People's Republic of Poland and the Democratic Republic of Germany with South Asian countries. M. S. Pan'kin. BH. i Prilozh. no. 3:27-76. '67.
- ASIA, SOVIET CENTRAL** see Soviet Central Asia
- ASIA MINOR—EXCAVATIONS (ARCHAEOLOGY)**
Recent archaeological studies in Asia Minor. L. P. Marmovskiy, G. A. Tashchenko. Vest. drev. ist. no. 1:172-182. Ia.-M. '67.
- ASIA MINOR—GEOLOGY**
Brief outline on geology of Anatolia (Asia Minor). K. Dientov. Geotektonika no. 2:31-37. M.-Ap. '67.
- ASPARTIC ACID METABOLISM**
Oxidative metabolism of aspartic acid in brain sections and mitochondria. G. G. Shamkhalov. Soob. AN Gruz. SSR 45 no. 2:115-120. F. '67.
- ASPERGILLUS—CULTURES AND CULTURE MEDIA**
Characteristics of amylase secretion by *Aspergillus niger*. V. V. Ushkevich, G. I. Kozlyeva, M. I. Duga-cheva. Izv. biokhim. i mikrobiol. 1 no. 2:157-161. M.-Ap. '67.
- Production of glucoamylase from submerged cultures of mold fungi. E. Sep. Ferment. i upit. prom. 33 no. 3:17-19. '67.
- Study of glucomannan hydrolysis by enzyme preparation from *Aspergillus niger*. A. A. Kuznetsov, B. N. Stepanenko. Biokhimiya 32 no. 2:368-376. M.-Ap. '67.
- ASPHALT CONCRETE**
Rapid determination of the composition of asphalt-concrete mixes. N. V. Gofelyshev, K. I. A. Lobzova. Avi. dor. 30 no. 3:20. M. '67.
- ASPHALTENES**
Interaction of group components during coking. M. E. Levintov and others. Khim. i tekhn. topl. i masel 12 no. 1:20-22. Ap. '67.
- ASPHYXIA NEONATORUM**
Prevention and treatment of asphyxiation of the fetus and the newborn. L. S. Porshakov. Sov. med. 27 no. 8:9-17. Ag. '63.
- ASPHYXIATING AND POISONOUS GASES** see Gases, Asphyxiating and poisonous
- ASSEMBLY—LINE METHODS**
Continuous flow production of home refrigerators. A. Margules. Trudy MNFTMASH no. 1:107-131. '63.
- Make use of all potentialities. A. B. Tiagunova, Shveln. prom. no. 2:12-13. M.-Ap. '67.
- Method for the regulation of champagne wine expenditure in the production line. M. D. Volovik. Khim. prom. no. 2:5-6. M.-Ap. '67.
- Pushing conveyors of a high lifting capacity for painting hoses. A. G. Gofeyman, M. Z. Krivitskii, Lakokras. mat. i kh. prom. no. 2:68-70. '67.
- Structural and mechanical properties of butter produced by the continuous method. G. V. Tverdokhlebov, A. K. Avakumov. Izv. vys. ucheb. zav. i spets. tekhn. no. 2:61-65. '67.
- ASTHMA**
Determination of some indices of pulmonary respiration by the electrocardiography method (statisticheskaya) in bronchial asthma. F. K. Gurskaya. Vest. rent. i rad. 12 no. 2:51-56. M.-Ap. '67.
- Study of allergens from domestic dust for the diagnosis of bronchial asthma. Kh. I. Gal'perv. Pat. fiziol. i eksp. terap. 11 no. 2:52-63. M.-Ap. '67.
- ASTHENIA**
Psychotherapy under asthenic conditions caused by brucellosis. A. I. Boldyrev. Sov. med. 27 no. 8:126-130. Ag. '63.
- ASTRAKHAN—FISHERMEN**
Keep in mind the interests of radio audiences. M. Alekseyev. Sov. radio i tel. 9 no. 2:15-16. '66.
- ASTRAKHAN—RADIOBROADCASTING**
Keep in mind the interests of radio audiences. M. Alekseyev. Sov. radio i tel. 9 no. 2:15-16. '66.
- ASTRAKHAN PROVINCE—AGRICULTURAL WAGES**
Land, water, people. A. Lubkov. Sov. profsoyuzy 23 no. 5:26-27. M. '67.
- ASTRAKHAN PROVINCE—GAS, NATURAL—GEOLOGY**
Prospecting for oil and gas in Kalmyk A.S.S.R. and Astrakhan Province, its results and future trends. O. I. Sobolev, O. I. Igoshin. Neftegaz. geol. i geofiz. no. 3:25-30. '67.
- ASTRAKHAN PROVINCE—IRRIGATION CANALS AND FLUMES—DESIGN AND CONSTRUCTION**
Land, water, people. A. Lubkov. Sov. profsoyuzy 23 no. 5:26-27. M. '67.
- ASTRAKHAN PROVINCE—PETROLEUM GEOLOGY**
Prospecting for oil and gas in Kalmyk A.S.S.R. and Astrakhan Province, its results and future trends. O. I. Sobolev, O. I. Igoshin. Neftegaz. geol. i geofiz. no. 3:25-30. '67.
- ASTRAKHAN PROVINCE—RECLAMATION OF LAND**
Doklady nauchno-issledovatel'skaya agrolasomeliya i lyubya opytaya stantsiya. [Shelterbelts and the agricultural development of the Astrakhan semidesert] Lesnye zashchitnye polosy i sel'skokhozyaistvennoe osvoenie Astrakhanskoi polupustyni. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1966. 144 p. illus. (DNAL).
- ASTROLABES**
Program for observations made with a prismatic astrolabe. N. P. Gofisov. Izv. GAO 24 no. 3:31-34. '66.
- ASTROMETRY**
Astronomical length unit. A. A. Mikhailov. Zem. i vesl. no. 2:30-33. M.-Ap. '67.
- ASTRONAUTICS**
Space is opened to man. K. K. Tolegov. Nach. shkola 35 no. 1:26-27. Ap. '67.
- ASTRONAUTICS IN GEOGRAPHY**
Conference on the utilization orbiting spacecrafts in geographical research. B. V. Vinogradov. Izv. Vses. geog. ob-va 90 no. 2:115. M.-Ap. '67.
- ASTRONAUTS**
With all my strength, with all my abilities. G. S. Titov and others. Av. i kosm. no. 4:10-13. Ap. '67.
- ASTRONOMICAL INSTRUMENTS**
Electronic device for the measurement of photographs of a limb. V. M. Ivakin, and others. Izv. GAO 24 no. 3:40-47. '66.
- ASTRONOMICAL MODELS**
Simulation of a rotating star based on a given density distribution. M. K. Zhekmukhov. Uch. zap. Kaz.-Balk. gos. un. no. 13:31-37. '61.
- ASTRONOMICAL OBSERVATORIES** see subdivision under Czechoslovakia
- ASTRONOMICAL PHOTOGRAPHY**
Image and spectrum of the sun in the 0.5 - 200 Å region. I. A. Zhilnik and others. Kosm. issl. 5 no. 2:276-279. M.-Ap. '67.
- ASTRONOMICAL PHOTOMETRY** see Photometry, Astronomical
- ASTRONOMICAL REFRACTION** see Refraction, Astronomical
- ASTRONOMY**
(see also subdivision under Czechoslovakia)
From the history of Soviet astronomy (1921-1930): documentary photographs, brief news. P. G. Kulikovskii. Zem. i vesl. no. 2:33-38. M.-Ap. '67.
- ASTRONOMY—INTERNATIONAL COOPERATION**
International scientific connections of the Pulkovo Observatory during 1964-1965. K. N. Tavastsherna. Izv. GAO 24 no. 3:167-169. '66.
- ASTRONOMY—OBSERVATIONS**
Astronomical observations from the 10th June, 1967. A. D. Mar'enskiy, V. F. Zubolov. Zem. i vesl. no. 2:83-86. M.-Ap. '67.
- ATHEISM**
(see also subdivision under Kara-Kalpak A.S.S.R.)
The code of Communist morality and religious "morals." A. Kuznetsov. Agitator no. 1:37-39. Ja. '62.
At the end of the "holy" place of "Shamun-nabi." I. Makrushev. Agitator 35 no. 9:16-17. M. '67.
Let the scales fall from the eyes (to be continued). I. Neev. Sem. na shkolu 22 no. 3:24-25. M. '67.
- Shatrov, E. V. [Twice disclosed; a narrative not only satirical but also documentary] Dvazhdy razoblachennyye, povestvovaniye, ne tol'ko saticheskoye, no i dokumental'noye. Moskva, Politizdat, 1967. 62 p. (Khudozhestvennaya atelsticheskaya biblioteka).
Teachers' stories about good people. Agitator 35 no. 9:16-17. M. '67.
- Teffi, N. A. [A prophetizer of the past] Predskazaniya proshlogo. Moskva, Politizdat, 1967. 45 p. (Khudozhestvennaya atelsticheskaya biblioteka).
Training the librarians in the theory of atheism. I. K. Ilyin. Biblioteka 11 no. 1:56-58. Ap. '67.
- Zvanitsky, Sergei. [Holy patrons] Svlyatye zastupniki. Moskva, Politizdat, 1967. 62 p. (Khudozhestvennaya atelsticheskaya biblioteka).
- ATHEISM—STUDY AND TEACHING**
(see also subdivision under Moscow)
Antireligious movies and filmstrips. N. Z. Urtskii. Nach. shkola 35 no. 1:69-71. Ap. '67.
Education of atheists. A. E. Man'kova. Nach. shkola 35 no. 1:67-69. Ap. '67.
- Korobochko, A. I., and I. Z. Kadson. [Problems of atheism in a school course in the history of the U.S.S.R.; materials for teachers] Voprosy atelzma v shkol'nom kurse istorii SSSR; materialy dlia uchitelei. Pod red. A. I. Zolenskogo. Minsk, Narodnaya osveta, 1966. 157 p.
- ATHENS—COURTS**
The trial of cases concerning the mines in Athens in the fourth century B.C. I. M. Glushina. Vest. drev. ist. no. 1:48-50. Ia.-M. '67.
- ATHLETES**
Please meet Aleksandr Iakushev. Mol. komm. no. 2:126-127. '67.
Rhythm of one's life. V. Vlnakurov. Mol. komm. no. 2:123-124. '67.
- ATLANTIC OCEAN—FISHERIES—RESEARCH**
Shcherba, L. M., and G. D. Staroverov. ["Oreanda" leaves for the Atlantic] "Oreanda" ukhodit v Atlantiku. Simferopol', "Krym," 1965. 21 p.
- ATLANTIC OCEAN—GEOLOGY**
Geology of Norwegian Sea and northeastern part of Atlantic Ocean. V. Kh. Geronimov, I. G. Chugunov. Eksp. inform. Mol. geol. i tekhn. inst. AN URSR no. 3:193-208. '66.
- ATLANTIC OCEAN—HERRING**
Shimovskiy, B. I. [Salt and frozen herring production on ships in the Atlantic] Proizvodstvo solenoi i morozhenoi sel'di na sudakh v Atlantike. Moskva, Pishchevaya promyshl., 1965. 71 p.
- ATLANTIC OCEAN—LANTERN FISHES**
Lantern fishes (fam. Myctophidae) from three Atlantic expeditions on L/S "Pech. i chedev." 1961-1964. V. E. Ilekke. Trudy inst. okean. 84:84-124. '67.
Quantitative distribution of lantern fishes (fam. Myctophidae S. I.) in the Atlantic Ocean. N. I. Koshkin. Trudy inst. okean.
- ATLANTIC OCEAN**
§

Nonlinear frequency-pulse controller, IU, N. Chekhovoi,
Izveig. i elek. no 1:38-39, Ja-F '67

I. B. Vapniarskiĭ, *Zhukovskiy mat. i mat. fiz.*, 7, no. 2

[Automatic control, remote control, and computer technology] Ref.zhur. Avtom., telemekh. i vych. tekhn. no. 6
Je '67.

Eighth All-Union Conference on Auton

Third congress of IAC held in London June 20-25, 1966.
S. P. Kobachukyi, A. A. Timir Avtomatyki 12 no. 1,
86-91 Jan-F 1967.

Algorithm of the functional depends of variables: mass

AUTOMATION

Adjusting the RDBV (RDBG) control system of automated boring machine 1, 11 P. Lukashuk, I. A. K. Lutsenko

Mathematical Methods and Computers in Operation of
 Buildings and Structures.

Efficiency of the use of programmed automatic control systems in the machinery industry K P. Mazanov, Tekhn. kibernetika, no. 2, 33-35, Mar.-Apr. 1962.

- AUTOMATION (Continued)**
Suitability of an object for automatic assembly. V. I. Smilanski. *Avtomatiz. proizv. prots. v mashinost.* 1. prib. no. 4:123-131 '66
- System for the automatic control of the dimensions of parts using a phase generating converter. A. S. Polulakht, V. A. Fedorov. *Avtomatiz. proizv. prots. v mashinost.* 1. prib. no. 4:91-94 '66
- Telecode communication along telephone channels. R. Pankratov, V. Mikhailov. *Tekhn. i vopr. avtomatiz. 25* no. 1:14-15 Jan '67
- Use of an electromagnet field for the orientation of parts. V. A. Likhimovich. *Avtomatiz. proizv. prots. v mashinost.* 1. prib. no. 4:84-90 '66
- AUTOMATION—ECONOMIC ASPECTS**
(see also subdivision under United States)
Some problems in the economics of the automation of production. I. D. Vitchuk. *Trudy VZEL* no. 50:37-49 '66
- AUTOMOBILE DRIVERS—PSYCHOLOGY** see subdivision under Warsaw
- AUTOMOBILE DRIVERS—STUDY AND TEACHING**
Zlabin, A. D. [Handbook on automobile driving] *Pособie po vozhdeniyu avtomobilov*. 2. izd., dop. i perer. Moskva, Vysshaya shkola, 1967. 73 p
- AUTOMOBILE EXHAUST GAS—MODELS**
Kinetic modeling of the action of blind workings during motor truck operations. I. B. Mostepanov, I. A. Likhov. *Izv. vya. ucheb. zav., po tekhn.* 10 no. 2:52-57 '67
- AUTOMOBILE INDUSTRY** see subdivision under Gorky; Moscow, Ulyanovsk
- AUTOMOBILE INDUSTRY—ACCOUNTING** see subdivision under Gorky
- AUTOMOBILE INDUSTRY—MANAGEMENT** see subdivision under Lvov
- AUTOMOBILE INDUSTRY WORKERS—DISEASES AND HYGIENE** see subdivision under Moscow
- AUTOMOBILES**
["Moskvich-408" automobile, design and technical maintenance] *Avtomobil "Moskvich-408"*, konsultatsii i tekhnicheskoe obsluzhivanie. [By] L. I. Belkin i dr. Pod red. A. F. Andronova. Moskva, Mashinostroyeniye, 1967. 446 p.
- ["Volga" automobile and its modifications; design and technical maintenance] *Avtomobil "Volga" i ego modifikatsii*, konsultatsii i tekhnicheskoe obsluzhivanie. 1. izd., 3. perer. [By] V. I. Borisov i dr. Pod red. A. D. Prosvirina. Moskva, Mashinostroyeniye, 1967. 430 p.
- AUTOMOBILES—BRAKES**
Repairing the journals of the connecting rods of compressor shafts in the brake system of the ZIL-104 automobile. T. A. Abduagimov. *Za tekhn. prog.* 7 no. 1:25-27 Jan '67.
- AUTOMOBILES—ELECTRONIC EQUIPMENT**
A-18 car radio. V. Safranov. *Radio* no. 2:21-27 Feb '67.
- AUTOMOBILES—ENGINES**
Distribution of the mixture in the individual cylinders of the GAZ-13 motor. B. M. Magarianov. *Za tekhn. prog.* 7 no. 1:38-41 Jan '67.
- AUTOMOBILES—IGNITION**
Electronics in automobile engine ignition systems. N. Martynenko. *Radio* no. 2:14-45 Feb '67.
- Electronics in automobile ignition systems. N. Martynenko. *Radio* no. 1:37-58 Jan '67.
- AUTOMOBILES—PARTS**
Ceramic metal parts in automobile manufacture. A. I. Kokorin, V. V. Saklinski. *Porosh. met.* 7 no. 4:91-95 Apr '67.
- AUTOMOBILES—SAFETY MEASURES**
Device for checking brake fluid level. *Radio* no. 2:46 Feb '67.
- AUTOMOBILES, MILITARY—MAINTENANCE AND REPAIR**
In the forefront. V. Volynskii. *Tekhn. i vopr. avtomatiz. 25* no. 1:18-19 Apr '67.
- Well done, automobile repairmen! M. Petrushev. *Tekhn. i vopr. avtomatiz. 25* no. 1:20 Jan '67.
- AUTOMOTIVE TRANSPORTATION** see Transportation, Automotive
- AUTONOMIC DRUGS**
Study of the therapeutic effect of the antileptessive preparation surmontin (flinoprimin). G. I. Zavidovskaya, I. A. Rodionov. *Zhur. nov. i psikh.* 67 no. 4:384-388 '67
- AUTONOMIC NERVOUS SYSTEM** see Nervous system, Autonomic
- AUTOPSY**
New methodology for accelerated posthumous intracranial fixation of the brain. L. Kh. Khitrit. *Arkh. pat.* 29 no. 4:75-76 '67.
- AUTORADIOGRAPHY**
Autoradiographic observations on the plasticity restoration dynamics in the arterial channel of thymus gland in dogs. M. A. Shubinets. *Dop. AN USSR* no. 10:1368-1371 '65
- AVAILANCES**
Control of snow avalanches in open-pit mountain mines. V. N. Akkuratov, R. S. Ponomarev. *Geop. trudy vopr. izn.* no. 4:14-17 Apr '67
- AVAR LANGUAGE—ACCENTS AND ACCENTUATION**
Accent on verb of Avar language. T. I. Gadava. *Sovb. AN Gruz. SSR* 45 no. 2:541-516 Feb '67
- AVIATION MEDICINE**
Medics of an advanced aviation unit. V. I. Lobkov, E. V. Goltsberg. *Voen.-med. zhurn.* no. 4:11-11 Apr '67.
- Methodologies for creating in pilots artificial illusions of spatial position during flights in pilotage simulators. E. A. Beletnikov, V. G. Kuznetsov. *Voen.-med. zhurn.* no. 4:60-64 Apr '67.
- AVSIUK, GRIGORI ALEKSANDROVICH, 1907?-**
Grigori Aleksandrovich Avsiuk; on his 60th birthday. S. L. Vendrov and others. *Izv. AN SSSR, Ser. geog.* no. 2:152-153 Mar-Apr '67.
- AXINITE**
Isomorphism in axinite group. D. D. Kurshskova. *Geol. i geofiz.* no. 1:118-123 Jan '67.
- AXONOMETRIC PROJECTION**
Algorithms of synthetic proofs in axonometry. M. I. Rivkind. *Uch. zap. Irk. gos. ped. inst.* no. 20:257-263 '61.
- Diagram of axonometric systems. M. I. Rivkind. *Uch. zap. Irk. gos. ped. inst.* no. 20:281-293 '64.
- AZEPINE—PHYSIOLOGICAL EFFECT**
Role of mechanical stimulation of tissues in the process of the development of a necrosis induced by polycapoclatam. G. A. Pustogayeva. *Vop. kesp. onk.* no. 2:101-108 '66
- AZEPINONE**
Some mechanical properties of graft copolymers of styrene with isopropylacetate. T. M. Fuzze and others. *Vysokom. teod. Ser. B* 9 no. 1:67-70 Jan '67
- AZETIDINE**
Hydrogenation of arylated azetidine-2-thiones to aryl-substituted 3-amino-1-propanethiols. B. P. Pinaolova, A. I. Spravo. *Zhurn. org. khim.* 3 no. 1:942-591 Mar '67
- AZERBAIJAN—ALLIED INTERVENTION, 1918-1920**
The Bolsheviks were the organizers of a demonstration and the general strike of the Baku proletariat on May Day in 1919. I. B. Gerdzhiev. *Trudy Inst. Ist. partii [Azərbay.]* 23:148-165 '59
- AZERBAIJAN—ARMENIAN LANGUAGE—DIALECTS**
Bagramian, Ruben. [The Shemakia dialect] *Shemakinskiy dialekt*. Erevan, Izdat. Akad. Nauk Armen. SSR, 1964. 284 p. [In Armenian]
- AZERBAIJAN—CATTLE**
New data on the development of cattle in ancient Azerbaijan. G. S. Ismailov. *Dokl. AN Azerb. SSR* 22 no. 11:75-79 '65.
- AZERBAIJAN—CHARACEAE**
Characeae in waters of Falysh and Apsheron Peninsula. D. A. Aliev. *Uch. zap. AGU, Ser. biol. nauk* no. 4:45-46 '61.
- AZERBAIJAN—COLLECTIVE FARMS**
How the Communist Party of Azerbaijan struggled for socialist industrialization and prepared the complete collectivization of agriculture, 1926-29. P. K. Kuchali. *Trudy Inst. Ist. partii [Azərbay.]* 23:3-11 '59.
- AZERBAIJAN—CORALS, FOSSIL**
Late Jurassic hexacorals (Scleractinia) of northeastern part of Lesser Caucasus (Azerbaijan) and their stratigraphic position. R. G. Babinov. *Izv. AN SSSR Ser. geol.* no. 1:137-142 Apr '67
- AZERBAIJAN—COTTON—FERTILIZERS AND MANURES**
Effect of growth promoting substance of petroleum origin on some physiological and biochemical processes and yield of cotton. A. Kh. Tagi-zade, A. S. Gasimov. *Uch. zap. AGU Ser. biol. nauk* no. 1:3-11 '61.
- AZERBAIJAN—ECONOMIC CONDITIONS**
Creating the material and technical foundation of communism is the basis for the friendship and unity of socialist nationalities. A. A. Sarkisov. *Uch. zap. AGU, Ser. ekon. nauk* no. 2:39-50 '64.
- Efforts of the Communist Party of Azerbaijan to complete the socialist reconstruction of the national economy, the victory of socialism, 1933-37. Z. I. Bragimov, A. A. Karaman. *Trudy Inst. Ist. partii [Azərbay.]* 23:42-75 '59.
- Featurs efforts of the Communist Party of Azerbaijan to restore and develop the socialist national economy, 1945-53. Dzh. B. Guliev. *Trudy Inst. Ist. partii [Azərbay.]* 23:76-115 '59.
- AZERBAIJAN—ECONOMICS**
Development of the economic thought of Azerbaijan after its annexation to Russia. M. Musafayev. *Uch. zap. AGU, Ser. ekon. nauk* no. 2:13-25 '64.
- AZERBAIJAN—GALLFLIES**
On gall wasps in the Kubo-Khachmaz zone of Azerbaijan. N. L. Marutidze. *Uch. zap. AGU, Ser. biol. nauk* no. 4:61-68 '61.
- AZERBAIJAN—GAS CONDENSATE FIELDS**
Out-of-town session. *Azerb. nef. kh.* 46 no. 4:11-11 May '67
- AZERBAIJAN—GEOLOGY, STRATIGRAPHIC**
Late Jurassic hexacorals (Scleractinia) of northeastern part of Lesser Caucasus (Azerbaijan) and their stratigraphic position. R. G. Babinov. *Izv. AN SSSR Ser. geol.* no. 1:137-142 Apr '67
- AZERBAIJAN—HISTORICAL RESEARCH**
Ancient history in the publications of the Azerbaijan SSR, 1956-1965. I. B. Babinov, I. G. Babinov. *Vest. drev. ist.* no. 1:105-123 Jan-Mar '67.
- AZERBAIJAN—INDUSTRIES**
How the Communist Party of Azerbaijan struggled for socialist industrialization and prepared the complete collectivization of agriculture, 1926-29. P. K. Kuchali. *Trudy Inst. Ist. partii [Azərbay.]* 23:3-11 '59.
- Role of Azerbaijan S.S.R. in developing foreign economic relations of the Soviet Union with foreign countries. G. M. Kuliev. *Uch. zap. AGU, Ser. ekon. nauk* no. 2:73-80 '64.
- AZERBAIJAN—INSECTS, INJURIOUS AND HARMFUL**
Study of pests of fruit, park and forest plants in Azerbaijan. L. M. Akhundova-Farova. *Tekhn. i vopr. avtomatiz. 25* no. 4:71-77 '61.
- AZERBAIJAN—LABOR AND LABORING CLASS**
Usta Piri's children. *Sov. profsoyuz* 23 no. 1:21 Apr '67.
- AZERBAIJAN—LAND TENURE**
This fact was mentioned by Lenin. I. M. Gasimov. *Izv. SSSR* no. 2:235-236 Mar-Apr '67.
- AZERBAIJAN—MENTAL ILLNESS**
Data of complement fixation reaction and intracutaneous test in patients with mental disorders, based on materials of Azerbaijan S.S.R. B. G. Magariz. *Azerb. med. zhurn.* 14 no. 1:60-65 Apr '67.
- AZERBAIJAN—MINES AND MINERAL RESOURCES**
Developing the mineral resources of the Azerbaijan SSR. R. A. Abutalybov. *Za tekhn. prog.* 7 no. 3:47-49 Mar '67.
- AZERBAIJAN—NITROGEN FERTILIZERS**
Use of compound, concentrated, and liquid nitrogen fertilizers in Azerbaijan. R. K. Guseinov. *Agriculture* no. 5:3-10 May '67.
- AZERBAIJAN—OIL FIELD BRINES—ANALYSIS**
Comparative hydrogeochemical characteristics of Cholek, Neftchay, and Khamli, Surakhany, and Neftchala oil fields. B. S. Moldavskii, M. I. Molchanov. *Izv. vya. ucheb. zav., nef. i ga.* 10 no. 2:17-20 '67.
- AZERBAIJAN—OIL WELL DRILLING**
Kisev, S. K., and A. A. Simonian. [Improving the technology of drilling deep prospecting wells; experience of "Azneftazvedka" is used] *Sovetskoye tekhnicheskoye burorenit glubokikh razvedochnykh skvazhin; opyt i teorii Azneftazvedka*. Moskva, Nedra, 1967. 162 p.
- Pages from the history of drilling technology in Azerbaijan. S. M. Kuliev. *Izv. vya. ucheb. zav., nef. i ga.* 10 no. 2:6-9 '67.
- AZERBAIJAN—OIL WELL LOGGING, ELECTRIC**
Geological and geophysical characteristics of Mesozoic sediments of northeastern slopes of Greater Caucasus. Kh. D. Dzhalilov, V. V. Linder. *Azerb. nef. kh.* 46 no. 3:8-10 Mar '67.
- AZERBAIJAN—OIL WELLS—EQUIPMENT AND SUPPLIES**
Economic efficiency of introducing a set of equipment for mechanizing the underground repair of wells. B. G. I. zado, M. Manafov. *Uch. zap. AGU, Ser. ekon. nauk* no. 2:93-99 '64.
- Production training and specialization of crews of overhauling wells in Azerbaijan petroleum industry. G. Gasimov, Kh. Aliev. *Organ. i upr. neftekh. prom.* no. 5:10-22 '66.
- AZERBAIJAN—OLEFINS**
Riumin, G. M. [Economically effective ways of the production of olefinic and diolefinic hydrocarbons in Azerbaijan] *Ekonomicheskiy effektivnyy puti proizvodstva olefinovykh i diolefinovykh uglevodorodov v Azerbaidzhane*. Baku, Azernesir, 1967. 82 p.
- AZERBAIJAN—PALEOBOTANY, STRATIGRAPHIC**
Report on composition of Upper Pliocene flora of Azerbaijan. K. A. Alizade, G. M. Kasumova, G. I. Rasulov. *Dokl. AN Azerb. SSR* 22 no. 12:30-32 '66.
- AZERBAIJAN—PARASITES—SHEEP**
Helminths of lambs and adult sheep in western Azerbaijan. A. M. Mamedov. *Dokl. AN Azerb. SSR* 22 no. 12:59-61 '66.

BEAMS AND GIRDERS

Effect of restriction on the torsion of beams having a closed rectangular cross section and a nonuniform contour. A. B. Parnitskiy. Izv. vuzov, tekhn. nauki, no. 2, 12-16 '67.

Experience in manufacturing channel beams. N. K. Rabakova and others. Metallurg, 12 no. 3, 21-26 Mi '67.

Lotter, S. D. [Deter mining free length of compressed two-stage stand having one end clamped and the other hinged or clamped]. Opyedelenie svobodnoi dliny szhatoi dvukh"stadii s odnim zashchemlenym i drugim sharnim no-opetym ili zashchemlennym kontsom. Moskva, 1966. 5 p. (Biblioteka programmi dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 20)

Lotter, S. D., and U. S. Solov'ev. [Determining free length of the elements of a compressed stepped stand having $n \leq 16$. Moskva, 1966. 4 p. (Biblioteka programmi dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 21)

Lotter, S. D. [Deter mining free length of a compressed two-stage stand with elastically clamped two ends and linear mobility of the upper end]. Opyedelenie svobodnoi dliny szhatoi dvukh"stadii s elasti cheskiimi zashchemleni-ami obidnoi kontsami, pri lineinnoi podvizhnosti verkhnego kontsa. Moskva, 1966. 5 p. (Biblioteka programmi dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 19)

BEAMS AND GIRDERS—DESIGN AND CONSTRUCTION

Gervazuk, B. V. [Calculating foundation girders]. Raschet fundamentnykh balok. Kiev, Budivel'nyk, 1967. 96 p.

Manufacture of No. 60 lightweight I-beams. E. Z. Friden-son and others. Stal' 25 no. 3, 14-216 Mi '67.

BEAMS AND GIRDERS—ELASTIC PROPERTIES

Nikolayev, G. M. [Precise calculation of the bending of flexible cantilever single-span beams, under water and above-ground pipelines inclusive]. Utochnennyi raschet izgiba gibkikh konsol'nykh i odnoproletnykh balok, vkluchaya podvodnye i nazermye truboprovody. Baku, Azot-nesh, 1965. 124 p.

BEAMS AND GIRDERS—VIBRATION

[Determining frequencies and shapes of natural vibrations of rod systems]. Opyedelenie chastot i formi sobstvennykh kolebaniy stержnev. Moskva, 1966. 21 p. (Biblioteka programmi dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 20)

Transverse vibrations in beams in an elastic base taking the mass of the movable load into account. A. G. Chukashvili. Izv. GGU (Gruz.), no. 2, 293-295 '64.

Vibration of the girders of supporting structures of transport bridges. L. V. Kudlov. Vop. rad. transp. no. 9, 89-90 '65.

BEAMS AND GIRDERS, CONTINUOUS—TESTING

Establishing carrying capacity of statically indeterminate systems with elements subjected to flexure and torque. I. G. Bychkov. Izv. Leningradsk. univ., no. 10, 177-180 '65.

BEANS

[New methods in the breeding of beans, peas, and vetch]. Novyye metody selektsii kormovykh bobov, gorokha i viki. Moskva, Izd-vo s.-kh. lit-ry, zhurnalov i plakatov 1963. 191 p. (MIFM)

BEARINGS (MACHINERY)

Analysis of the performance of ball bearings on continuous mills. I. A. Mironov, V. V. Lepskii, S. M. Ruvinskii. Stal' 20 no. 5, 111-115 Mi '66.

Bel'zman, R. D., B. V. Tsyglin, and L. A. Perel'. [Antifriction bearings, a handbook]. Podshipniki kacheniya, spravochnik. Izd. 5, ispr. i dop. Moskva, Mashinostroyeniye, 1967. 563 p.

Calculating bearing assemblies of belt conveyor rollers. F. M. Vysockiy, I. A. Shipanov. Vop. rad. transp. no. 9, 133-138 '65.

BEARINGS (MACHINERY)—COOLING

Cooling of pump bearings by network water from a heating network. V. A. Mironov. Energetik 15 no. 3, 27 Mi '67.

BEARINGS (MACHINERY)—LUBRICATION

Grease for bearings. D. P. Segeev, K. L. Kallienko. Khim. i nef. mashinost. no. 5, 46 Mi '65.

BEARS see subdivision under Himalayas

BEAVERS

[see also subdivision under White Russia] Is there a beaver threat? V. V. Dzhukhin. Fauna no. 3, 91-100 Mi '67.

BECKMANN REARRANGEMENT

Conversion of 2- and 4-phenylketones and their Beckmann rearrangement. A. P. Pionchuk, I. P. Ivanova. Zhur. org. khim. 3 no. 3, 501-503 Mi '67.

BEE CULTURE

Timis, F. A., and L. I. Perepelova. [Working in an apiary]. Rabota na paseke. Izd. 3, ispr. i dop. Moskva, Kolos, 1966. 375 p.

BEE VENOM—THERAPEUTIC USE

Polish, N. P. [Bees and medicine]. Pchel i meditsina. Pod red. F. F. Talyzha. Tashkent, Meditsina, 1966. 100 p.

BEER

Dependence of the quality of beer on filtration through various samples of the filtering mass. Sh. B. Goinsh-teyn. Izv. Leningradsk. univ., no. 3, 32-33 '67.

BEER—ANALYSIS

Voluntary analytical method for the determination of carbon dioxide in beer and carbonated soft drinks. M. V. Zvereva and others. Khim. prom. no. 2, 31-32 Mi '67.

BEES

Photoperiodism in *Apis mellifera* L. (Hymenoptera, Apidae). A. V. Cherdakov. Ent. obozr. 46 no. 1, 60-67 '67.

BEETHOVEN, LUDWIG VAN, 1770-1827

Ludwig van Beethoven. N. Severikova. Sied. spets. obozr. 11 no. 3, 55-56 Mi '67.

BEETLES

[see also subdivision under Aichefinskaya region, Volgograd Province; Crimea; Ukraine]

[A guide to insects of the European part of the U. S. S. R. in five volumes]. Opyedeleniye nasekomykh evropeiskoi chasti SSSR v piati tomakh. Moskva, Nauka, Vol. 2 [Coleoptera and Strepsiptera]. Zhesikokrylyo i voevokrylye 1965. 668 p. (Opyedeleniye po faune SSSR, no. 89)

BEK, ALEKSANDR ALFREDOVICH, 1903-

The road of a documentalist. A. Bek. Zhurnal. no. 2, 12-15 Fe '67.

BELCINOIDEA

Isolation of superfamily Pelsaloteuthacea within suborder Belcinoidea (Cephalopoda, Dibranchia, Decapoda). V. N. Saks, T. I. Nal'matva. Dokl. AN SSSR 173 no. 2, 438-441 Mi '67.

BELGIUM—BESSEMER PROCESS

Top blowing of metal in Thomas converters by pure oxygen and pulverized lime. I. S. Roginskii. Stal' 20 no. 5, 422-423 Mi '66.

BELGOROD PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES

Early and preharvest nitrogen foliar feeding of corn in Belgorod Province. A. S. Semina. [Izv. GGU] Khim. 57, 104-110 '66.

BELIAEV, GRIGORIY IGANT'EVICH, 1906-1965

G. I. Beliaev, obitaniye. Khim. tekhn. no. 4, 27 '66.

BELINSKIY, VISSARION GRIGORI'EVICH, 1811-1848

Weapons of criticism. V. A. Khripov. Otkritiya 31 no. 6, 171-178 Fe '61.

BEL'MAN, EFIM L'VOVICH, 1906-

Effim L'vovich Bel'man, on his 60th birthday. Zhur. nevrolog. psikh. 67 no. 4, 636-637 '67.

BELOVOD', LAKE (VLADIMIR PROVINCE)—MICROBIOLOGY

Relationship of microbiological processes in sulfur and carbon circulation in metamorphic rocks. I. U. Sokolov. Izv. Inst. biol. vuzov, no. 12, 132-135 '66.

BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—PALEONTOLOGY, STRATIGRAPHIC

Mesozoic and Cenozoic sediments in the Belozerska magnetic anomaly. N. M. Dananova and others. Geol. zhur. no. 6, 82-90 '66.

BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—SEISMIC PROSPECTING

Experience gained in the use of high-frequency seismic prospecting to split into layers the metamorphic rock complex of the Belozerska iron ore deposits. V. B. Solov'ev and others. Dop. AN URSR no. 1, 16-21 '61.

BELTS AND BELTING

Conditions for mass continuity in belt transmissions. R. V. Virabov. Vest. mashinost. 17 no. 4, 41-51 Ap '67.

Device for stretching and calibrating V-belts. V. Kalini-chenko. Neftanik 10 no. 2, 14-15 Fe '65.

BELTS AND BELTING—TESTING

Estimation of the flexibility of plane rubber-textile structures. L. I. Polotukhina, V. A. Lepetov. Kauch. i rez. 26 no. 1, 29-32 '67.

BENCH MARKS

Experience in erecting signals with rheostat grids. A. M. Filatov. Geod. i kart. no. 1, 17 Mi '67.

Experience in fixing control points. O. M. Ivanov. Geod. i kart. no. 3, 17-18 Mi '67.

Reducing hole diameter for marking points. M. S. Uspen-skiy. Geod. i kart. no. 3, 11-12 Mi '67.

BENT GRASS

Morphogenesis in longer *Agrostis alba* shoots in relation to light intensity. G. P. Selezneva. Zap. Sverd. otd. VBO no. 4, 131-136 '66.

BENTHOS

[see also subdivision under Rybinsk Reservoir]

Relationship between weight and linear measurements in the representatives of freshwater benthos. I. P. Arabin, S. I. Gavrilov. Gidrobiol. zhur. 3 no. 2, 71-73 '67.

BENTONITE

Processing of wine with bentonite clays. V. Lichov, S. Ganev, M. Ganeva. Izv. vuzov, tekhn. nauki, no. 2, 109-112 '67.

Surface tension of aqueous alcohol solutions in the presence of natural and treated bentonite clays of Georgia. A. Vardoladze. Trudy Tbil. GU 71, 193-201 '69.

BENZALDEHYDE

Reaction of benzoylacetone ester with aromatic aldehydes under a condition of hydrogenation and catalytic reaction. Part 1. F. G. Zhurav, N. S. Vukitsen, Zhur. org. khim. 3 no. 3, 501-503 Mi '67.

BENZENE

Methylation of phenols and phenol ethers. Part 6. Condensation of vic-m-xylene with dimethyl chlorides. S. I. Mel'nikova. Zhur. org. khim. 3 no. 1, 27-31 Ap '67.

Halogenylation of unsaturated compounds by aromatic diazo compounds. Part 32: p-Cl, p-Br, p-trichloromethyl aniline and p-bis-Cl, p-bis-Br, p-trichloromethyl benzenes. A. V. Dombrovskii, V. M. Nudina. Zhur. org. khim. 3 no. 1, 724-726 Ap '67.

Heat of adsorption of benzene and cyclohexane on NaY and CuY-type zeolites. A. I. Khachatryan, A. I. Khudiy, A. M. Rubinshteyn. Izv. AN SSSR Ser. khim. no. 1, 684-689 Mi '67.

Possibility of electron transitions in excited molecules of benzene and its derivatives. V. M. Brunev, V. A. Kravtsov. Trudy, teoret. i eksper. khim. 3 no. 1, 117-118 Ja-I '67.

Recovering benzene from hydrocarbon mixtures with synthetic zeolites. L. I. Kominsky and others. Khim. i tekhn. topl. masel 12 no. 1, 8-10 Ap '61.

BENZENE, EFFECT OF RADIATION ON

Radicalysis of aqueous solutions of benzene in the presence of metal ions of variable valence. Part 1. Solutions in 0.1 M H₂SO₄ containing ions of bivalent iron and oxygen. L. I. Katsheva, A. K. Pkretov. Khim. vys. energ. 1 no. 1, 22-23 Ja-I '67.

Reactions of low-energy lithium T₂ ions with solid benzene. I. P. Filatova, D. Kim Tung. Khim. vys. energ. 1 no. 2, 116-123 Mi-Ap '67.

BENZENE DERIVATIVES—THERMODYNAMICS

Heat capacity at low temperatures and absolute entropy of hexachlorobenzene and pentachlorobenzene. L. E. Pavlov, L. K. Glukhikh. Zhur. VMO 12 no. 2, 236-247 '67.

BENZENE AZOMETHANE

Studying the mechanism of homolytic reactions in solution by isotopic and mass spectrometric methods. Part II. Thermal decomposition of phenylazobiphenyl-methane and nitroazobiphenyl. I. P. Gerasimov, A. I. Levit. Zhur. org. khim. 3 no. 3, 550-551 Mi '67.

BENZENESULFONIC ACID

Azylsulfides and N-acyl azylsulfides of p-chlorobenzene-sulfonic acid. S. I. Babinchikov and others. Khim. zhur. 33 no. 2, 183-184 '67.

Electroreduction of sodium m-toluenesulfonate on a copper cathode. N. I. Khomutov, I. V. Kasalanova. Zhur. prikl. khim. 31 no. 4, 860-861 Ap '61.

BENZENOANTHRACENE

Hydrogenation products of hexahydroanthracene-benzanthracene and other bicyclic dienes. A. A. Balandina and others. Dokl. AN SSSR 173 no. 1, 125-126 Ap '67.

BENZIMIDAZOLE

Use of absorption spectra for determining the composition of complex compounds of copper nitrate with 2-methylbenzimidazole. M. V. Arutunyan, K. I. Silvanenko. Zhur. org. khim. 12 no. 1, 971-980 Ap '67.

BENZIMIDAZOLE—PHYSIOLOGICAL EFFECT

Effect of muscular training, adaptation to cold, and introduction of dibazol on the resistance of some tissues. V. I. Rustin. Fiziol. zhur. 53 no. 4, 431-437 Ap '67.

Functional state of the connective tissue system in the process of carcinogenesis under effect of dibazol. O. B. Pridakova, M. S. Smelkova. Vop. eksp. onk. no. 2, 212-217 '66.

BENZIMIDAZOLINONE

Infrared spectra of some derivatives of benzimidazolone. I. A. V. Baulicheva. Zhur. prikl. spekt. 6 no. 4, 501-510 Ap '67.

BENZOIC ACID

Synthesis of aromatic polyimides on the basis of dianhydride of 3,3',4,4'-benzophenonetetracarboxylic acid. N. A. Adrova, M. M. Kotov, L. P. Ivanova. Vysokom. sood. Ser. B 9 no. 1, 22-23 Ja '67.

Synthesis of p-nitrobenzoic acid. I. A. B. Likhtshteyn, R. M. Levit, V. I. Zolotarev. Zhur. prikl. khim. 31 no. 4, 917-950 Ap '61.

BENZOIC ACID—PHYSIOLOGICAL EFFECT

Effect of para-aminobenzoic acid on the course of experimental myocardial infarction. T. A. Mel'nikova, A. F. Rykova. Bul. eksp. biol. i med. 63 no. 4, 481-484 Ap '67.

BESSEMER PROCESS
The all-Union conference on converter smelting produced a book by G. Afanas'ev. Metallurg 12 no 3 20-21 May '67.

BEST BOOKS—BIBLIOGRAPHY see Bibliography—Best books

BETA RAYS—PHYSIOLOGICAL EFFECT
Changes in reactivity of the blood, electrolytic and nucleolar properties of the serum during development and resolution of B-cell-Pearce carcinoma. V. P. Bal'shteyn and others. Dop AN URSS no 1,115-119 '61.

BETENITIN, ANATOLII GEORGIEVICH, 1897-1962
Seventieth anniversary of A. G. Betenitin's birth. T. N. Shilina. Geol. rad. mestozh. 9 no 2 3-9 '67.

BEVEL GEARING see Gearing, Bevel

BEVERAGES—THERMAL PROPERTIES
Thermal conductivity of some beverages. A. V. Kniga, V. I. Golovanovskii, S. E. Kharin. Izv. vys. ucheb. zav., fizich. tekhn. no 2, 161-162 '67.

BHILS
Origin and ethnic history of the Bhils: an introduction of the problem. I. M. Semashko. Sov. etn. no 2:80-93. May-Apr '67.

BIBLIOGRAPHY
Akademiya nauk URSS. [Catalog of the publications of the Ukrainian Academy of Sciences, 1918-1930]. Katalog vydan' Ukrain's'kol Akademi nauk, 1918-1930. Pryhotov. y i vydav. D. M. Shohryn. Chicago, Tovarystvo Ukr. Bibliotekaliv Ameriky, 1966. 284, 74 p. (Slov'ins's'ki bio-bibliografichni materialy, vol. 1)
(LNU)
An annotation in the book. A. Rabin. Knizh. toig. 18 no 4:31. Apr '67.
[Book chronicle] Knizh. let. no 21 '67.
[Information about library work and bibliography abroad; materials] Inform. o bibliot. dele i bibl. za rub. no 1 '67.
[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spisl. i kait. li. no 9 '67.
[New books of the U.S.S.R.] Nov. knigi SSSR nos. 21-23. My-Je '67.
A reference book on V. I. Lenin's complete collected works. F. Zhvachkov. Kom. Ukr. li. no 1:66-69. Apr '67.

BIBLIOGRAPHY—AGRICULTURE
[Agricultural literature of the U.S.S.R.] Sel'khoz. lit. SSSR no 5 '67.
[The agricultural specialist must have practical books; index of literature for 1965] Kniga - v pomoshch' spetsialistu sel'skogo khoziaistva na proizvodstvo; ukazatel' literatury za 1965 god. Moskva, Kolos, 1967. 127 p. (DNA)
[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 10 nos. 14-16. My-Je '67.

BIBLIOGRAPHY—ARCHAEOLOGY
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkeol. i etn. no 4 '67.

BIBLIOGRAPHY—ART
[Information bulletin of new foreign books, received by the Lenin Library. Series 3] Social sciences, belles-lettres, art] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 Obshchestv. nauki, khud. lit., isk. 10 nos. 15-16. My-Je '67.
[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no 2 '67.

BIBLIOGRAPHY—BALZAC, HONORE DE, 1799-1950
Paevskaya, A. V., and V. T. Danchenko. [Honore de Balzac, bibliography of Russian translations and Russian critical works] Onore de Bal'zak, bibliografiya russkikh perevodov i kriticheskoi literatury na russkom yazyke, 1830-1964. Moskva, Kniga, 1965. 426 p. illus. (CS) (MH)

BIBLIOGRAPHY—BEST BOOKS
New books. Kommunist 44 no 6:127-128. Apr '67.
New books. Kommunist 44 no 8:127-128. My '67.

BIBLIOGRAPHY—BIOLOGY
[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 10 nos. 14-16. My-Je '67.
New books. Nauch. dokl. vys. shkoly: biol. nauk 10 no 3:153-155 '67.

BIBLIOGRAPHY—BUCKWHEAT
[Buckwheat; bibliographical list of Soviet literature for 1961-1966 comprising 553 items] Grechikha, bibliografiya cheskiy spisok otechestvennoi literatury za 1961-1966 gg. v kolichestve 553 nazvaniy. Moskva, 1966. 67 p.

BESSEMER PROCESS
(see also subdivision under Belgium)
Character of decarburization of a converter bath. V. V. S. Izv. vys. ucheb. zav. Chern. met. 10 no 3 50-54 '67.
The oxygen-blowing Bessemer steel. E. S. Vychukarskaya. F. I. Skvortsova. N. P. Schchapov. Izv. TSNKhimpes no 3:23-24 '66.
Weldability of brands 16G, 18G, and 20G of oxygen-blown Bessemer steels. V. I. Kotelnikov, M. M. Kravchik. Izv. TSNKhimpes no 3:22-23 '66.

BIBLIOGRAPHY—BULGARIA
[New literature on Bulgaria] Nov. lit. po Bolg. no 4 '67.

BIBLIOGRAPHY—CHEMISTRY
[Chemical information; classed index of articles in foreign periodicals] Khim. inform. izl. uk. et. v. in. str. zhur. no 5. My '67.

BIBLIOGRAPHY—COMMUNISM
Documentary materials and articles on the history of the CPSU and the communist and labor movement. Published in March 1967 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS li. no 5 136-141 '67.
Documentary materials and articles on the history of the CPSU and the international communist and labor movement published in February 1967 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS li. no 4 114-117. Apr '67.
New books. Agitator 34 no 4:64. Apr '67.
New books. Agitator 35 no 9 64. My '67.

BIBLIOGRAPHY—COMMUNIST PARTIES
Articles on the history of Communist parties published in foreign periodicals. Vop. ist. KPSS li. no 5 136-141. Apr '67.
Articles on the history of Communist parties published in the foreign periodicals. Vop. ist. KPSS li. no 5 136-141. Apr '67.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION
Documentary materials and articles on the history of the CPSU and the communist and labor movement. Published in March 1967 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS li. no 5 136-141. Apr '67.

BIBLIOGRAPHY—DAIRY INDUSTRY
[News of technological literature. Series: "Food and Dairy Industry"] Nov. izd. lit. Ser. "Mirovaia prom. i zhizn." nos. 5-6 '61.

BIBLIOGRAPHY—ECONOMICS
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filoz., int. i in. zhizn. dunar. dn. 10 no 5. My '67.
[New foreign economic literature] Nov. inostr. ekon. lit. no 4 '67.

BIBLIOGRAPHY—EDUCATION
[Literature on the pedagogical sciences and public education] Lit. po ped. naukam i nar. obr. no 1 '67.

BIBLIOGRAPHY—ELECTRONICS
Literature on radioelectronics. N. Zabolotskii. li. no 2:15. I '67.

BIBLIOGRAPHY—ETHNOLOGY
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkeol. i etn. no 4 '67.

BIBLIOGRAPHY—EUROPE, EASTERN
[New literature on the general problems of the European socialist countries] Nov. lit. po obshch. probl. evr. p. sots. stran no 1 '67.

BIBLIOGRAPHY—FISHERIES
Bibliography. Izb. kniz. 13 no 3:93-95 '67.
Publication of works of the Ural Branch of the State Scientific Research Institute of Lake and River Fisheries. Trudy Ural. otd. GosNIORKa li. no 2:22. Apr '67.

BIBLIOGRAPHY—GENETICS
Bibliography of foreign literature on genetics (November 1966). Genetika no 3:198-205. May '67.

BIBLIOGRAPHY—GEOLOGY
[Geological literature of the U.S.S.R.; bibliography for 1966] Geologicheskaya literatura SSSR, bibliografiya cheskiy spisok za 1966 god. Leningrad, Nedra, 1967. 611 p.
Literature on the Ukrainian geology, 1966 (to be continued). V. M. Dolgova. Geol. zhur. no 6:168-170. Apr '67.

BIBLIOGRAPHY—GERMANY, EAST
[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no 4 '67.

BIBLIOGRAPHY—GUSEINOV, GADAR, 1908-1950
Akademiya nauk Azerbaidzhan'skoi SSR. Fundamental'naya biblioteka. [Gadgar Guseinov, 1908-1950; bibliography] Gadgar Guseinov, 1908-1950; bibliografiya Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR, 1963. 46 p. (Doklady nauki i kul'tury Azerbaidzhana) (MH)

BIBLIOGRAPHY—HISTORICAL FICTION
Gosudarstvennaya publitsheinskaya istoricheskaya biblioteka. [Historical fiction on the subjects of modern and recent history; an annotated index for the students of secondary schools] Khudozhestvenno-istoricheskaya literatura i novosti i novostoi istorii; annotirovannyy ukazatel' dlya uchashchikhsya srednei shkoly. Moskva, Kulga, 1963. 206 p. (CROTU)

BIBLIOGRAPHY—HISTORY

Documentary materials and articles on the history of the CPSU and the international communist and labor movement published in February 1967 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS 11 no. 1 144-147 Ap '67.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezh-dunar. otn. 10 no. 5 My '67.

[New foreign literature on history, archaeology, and ethnography] Nov. knosi. lit. po ist., arkheol. i etn. no. 4 '67.

BIBLIOGRAPHY—HISTORY, ANCIENT

Ancient history in the publications of the Azerbaijan S.S.R., 1958-1965. IU B IU'slov, I. G. Nakhmanov. Vest. drev. ist. no. 115-123 Ja-Mi '67.

Index of literature on the history of the ancient world published in 1962-1967 in the U.S.S.R. 11. Razshch. Vest. drev. ist. no. 1, 1971-1979 Ja-Mi '67.

BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Veng. no. 4 '67.

BIBLIOGRAPHY—LATVIA, VIKTOR KORNEI'EVICH, 1893-1966

V. K. (Latvian); an obituary. Ist. SSSR no. 2:237-239 Ar-Ap '67.

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezh-dunar. otn. 10 no. 5 My '67.

BIBLIOGRAPHY—IRKUTSK PROVINCE—PHYSICAL GEOGRAPHY

[Physical geography of Irkutsk Province; bibliography] Fizicheskaya geografiya Irkutskoi oblasti, bibliografiya. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo. No. 2. 1951-1962. 1965. 140 p.

BIBLIOGRAPHY—KAZAKHISTAN—ETHNOLOGY

New literature on the peoples of Central Asia and Kazakhstan. Sov. etn. no. 2 195-202 Ar-Ap '67.

BIBLIOGRAPHY—KAZAN IN LITERATURE AND ART

What the teachers should read on the literary part of Kazan. M. A. Molchanova. Kaz. v. ist. i us. lit. no. 1. 88-93 MS.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

[New foreign literature on linguistics] Nov. knosi. lit. po jaz. no. 4 '67. Imennot ukazatel' k nos. 1-12 za 1966 g.

[New Soviet literature on linguistics] Nov. sov. lit. po jaz. no. 4 '67.

BIBLIOGRAPHY—LAW

Legal studies published outside the U.S.S.R. Sov. gos. i pravo no. 4:160-162 My '67.

New legal studies published in the U.S.S.R. Sov. gos. i pravo no. 5 163-165 My '67.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

Studies of Soviet Ukrainian historians devoted to the problem "V. I. Lenin and the Ukraine." A. V. Samsevych. Ukr. ist. zhur. 11 no. 4:129-138 Ap '67.

A valuable textbook. N. Sakharov. Bibliotekar' 44 no. 1:6-9 Ap '67.

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 10 nos. 15-10 My-Je '67.

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 2 '67.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 4 '67.

[New Soviet literature on the study of literature] Nov. sov. lit. po lit. no. 4 '67.

BIBLIOGRAPHY—MEAT INDUSTRY

[News of technological literature. Series: "Meat and Dairy Industry"] Nov. tekhn. lit. Ser.: "Miaso-moloch. prom." nos. 5-6 '61.

BIBLIOGRAPHY—MEDICINE

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 10 nos. 14-16 My-Je '67.

[Scientific medical literature of the U.S.S.R.; index of books and articles published in the first half of 1963] Nauchnaya meditsinskaya literatura SSSR; ukazatel' knig i statei za pervoe polugodie 1963 g. Sostavlen bibliograficheskimi otdelom GTANMB. Pod red. A. I. Moroz. Moskva, Meditsina, 1967. 1004 p.

BIBLIOGRAPHY—METEOROLOGY IN AERONAUTICS

Bibliography of the Department of Physics of the Atmosphere, and the Problem Laboratory of Jet Streams of the V. I. Lenin Tashkent State University on aviation meteorology for 1960-1961. M. V. Burkova, V. A. Dzherdzho. Nauch. trudy TashGU no. 270 10-16 '66.

BIBLIOGRAPHY—NONFERROUS METALS

New technical publications. TSvet. met. 31 no. 7:96-98 Ji '67.

BIBLIOGRAPHY—OPTICAL PATTERN RECOGNITION

Pattern recognition, annotated index of literature. Z. A. Kulits, A. A. Iudin. Fizicheskaya no. 2 94-101 Ar-Ap '67.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezh-dunar. otn. 10 no. 5 My '67.

New philosophical studies. Vop. filos. 21 no. 4:161-182 '67.

Philosophical articles published in socialist countries. Vop. filos. 21 no. 4:178-179 '67.

BIBLIOGRAPHY—PSYCHIATRY

Index of books on neuropsychiatry, psychiatry, and related disciplines received in the State Central Scientific Medical Library during January 1967. E. A. Akimkin. Zhurn. nevrol. i psikh. 67 no. 1:624-626 '67.

BIBLIOGRAPHY—RADIO

New publications for radio amateurs. R. Gorlin. Radio no. 2:11 F '67.

BIBLIOGRAPHY—RAILROAD ENGINEERING

Tranzhejndorizdat, Vsesoyuznoe izdatel'sko-poligraficheskoe ob'edinenie. [Textbooks, manuals, and lectures for correspondence students of institutions of higher learning of railroad engineering] Uchebnye, uchebnye posobie i teksty dlya rochnikov vuzov zheleznodorozhnogo transporta. Moskva, 1960. 33 p.

BIBLIOGRAPHY—RODENTS

Index of Soviet literature on rodents and hares published in 1960 and 1961. M. V. Shchegolev, I. L. Kulik. Mat. k pozn. fauny i flory SSSR, Old. zool. no. 41:209-268 '67.

BIBLIOGRAPHY—ROOFS

Esli NSV Teaduste Akadeemia. Keskinamatutokogu. [Industry fully produced roofs in housing construction; an annotated index of Soviet literature for 1948-1959] Indus-trial'nye kryshi v zhilishchion stroitel'stve; annotiro-vannyi ukazatel' otechestvennoy literatury za 1948-1959 gg. Tallin, 1961. 45 p. (NN)

BIBLIOGRAPHY—ROMANIA

[New literature on Romania] Nov. lit. po Rum. nos. 1, 4 '67.

BIBLIOGRAPHY—RUSSIA—HISTORY

New studies on the history of the U.S.S.R. Ist. SSSR no. 2:131-136 Ar-Ap '67.

BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

Sadof'eva, T. L. [How the October Revolution was won; a bibliography for students of the 6th-8th grades] Kak pobedila Oktjab'skaya revoliutsiya, ukazatel' literatury dlya uchashchikhsya 6-8-kl. klassov. Moskva, Kniga, 1967. 82 p.

BIBLIOGRAPHY—RUSTAVELI, SHOTA, fl. 1100

Gosudarstvennaya respublikanskaya biblioteka Gruzinskoi SSR. [The knight in the tiger's skin; a bibliographical index of its publications] Vitiaz' v tigrovoy shkure; bibliograficheskiy ukazatel' izdaniy. Tbilisi, 1966. 43 p. (Mti)

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 12 nos. 15-10 My-Je '67.

[New foreign books, Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology, physical geography] Nov. knigi za rub. Ser. A 20 no. 5 My '67.

BIBLIOGRAPHY—SLAVIC STUDIES

[New literature on the general problems of Slavic studies] Nov. lit. po obshch. probl. slav. no. 1 '67.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 10 nos. 15-16 My-Je '67.

BIBLIOGRAPHY—SOVIET CENTRAL ASIA—ETHNOLOGY

New literature on the peoples of Central Asia and Kazakhstan. Sov. etn. no. 2:195-202 Ar-Ap '67.

BIBLIOGRAPHY—TECHNOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 12 nos. 15-16 My-Je '67.

[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 11 no. 5 My '67.

BIBLIOGRAPHY—TRANSCARPATIA—BOY SCOUTS

Bachyns'kyi, Leonid. [Bibliography of the Ukrainian Boy Scouts, publications of the Ukrainian Boy Scouts in the Transcarpathian Ukraine and Czechoslovakia] Plastova bibliografiya; plastovi vydannia v Karpat's'kii Ukraini i Chekhit 1923-1938 r. Cleveland, 1950. 45 p. (Ukrains'kyi muzej v Kivlendl, no. 3)

BIBLIOGRAPHY—UKRAINE

New books. Dop. AN URSR no. 1:112 '61.

New books. Dop. AN URSR. Ser. B 29 no. 4:370-380 Ap '67.

[New books of the Ukrainian S.S.R.] Novi knyhy URSR nos. 10-12 Ap '67.

BIBLIOGRAPHY—UKRAINE—GAS

[Bibliography of printed works of members of the Gas Institute of the Academy of Sciences of the Ukrainian S.S.R., published in 1963-1965] Bibliografiya pechat-nykh (tvdov sotrudnikov Instituta gazu AN URSR, opubl-ikovanykh v 1963-1965 godakh. Kiev; Naukova dumka, 1966. 18 p.

BIBLIOGRAPHY—UKRAINE—GEOLOGY

Literature on the Ukrainian geology, 1956 (to be con-tinued). V. M. Dolgova. Geol. zhur. no. 6:106-110 '60.

BIBLIOGRAPHY—UKRAINIAN LITERATURE

Bachyns'kyi, Leonid. [Ukrainian printed publications in Cleveland; materials for a bibliographic index] Ukrains'ki drukovani vydannia v Kivlendl; materialy do bibliogra-ficheskogo pokaznyka. Cleveland, 1958. 40 p. (Ukrains'kyi muzej i Arkhiv u Kivlendl, no. 2)

BIBLIOGRAPHY—UZBEKISTAN

Tashkent. Gosudarstvennaya publichnaya biblioteka. [Uz-bekistan, 1959; bibliographical index of literature] Uz-bekistan, 1959 g.; bibliograficheskiy ukazatel' literatury. Tashkent, Gosizdat UzSSR, 1962. 606 p.

BIBLIOGRAPHY—YUGOSLAVIA

[New literature on Yugoslavia] Nov. lit. po Iug. no. 4 '67.

DIG BUSINESS see subdivision under United States

BIHQINOL

Use of bihqinol in experimental sheep endometritis. N. M. Bulgakov. Trudy Oren. old. Vses. fiziol. ob-va no. 3:14-49 '64.

BILE

Bile secretion in sheep following chronic fistulization of gallbladder and duodenum. I. S. Ivanov. Trudy Oren. old. Vses. fiziol. ob-va no. 3:78-82 '64.

Effect of allofan on bile secretion in sheep. I. F. Sovet-nikova. Trudy Oren. old. Vses. fiziol. ob-va no. 3:74-77 '64.

Effect of loss of blood on the functional state of the liver. T. M. Neiko. Biul. eksp. biol. i med. 43 no. 4:39-41 Ap '67.

BILL (ANATOMY)

Morphological characteristics of the biliary cavity of corvine birds connected with food transportation. I. K. Engells, B. V. Nekrasov. Zool. zhur. 46 no. 2:258-263 F '67.

BILLARDS

Spots for the Keen-eyed. V. Borokhovostov. Sov. voln. 19 no. 7:42-43 Ap '67.

BINDING ENERGY

Intracellular interaction in an irreducible form. Calculating the binding energy of light nuclei. V. V. Vanagas, A. K. Petruskas. Lad. fiz. 5 no. 3:552-559 Mr '67.

BINDING MATERIALS

Zhuravlev, M. L. [Equipment for the production of bind-ing materials] Oborudovanie zavodov vlyazhushchikh materialov. Pod red. M. I. A. Sapozhnikova. Moskva, Vysshaya shkola, 1967. 263 p.

BIOCHEMISTRY

Comparative characteristics of the diagnostic signifi-cance of some biochemical indices of the activity of rheumatism. I. P. Chelchintseva. Sov. med. 30 no. 3:142-143 Mr '67.

Evaluation of biochemical and isotope examination methods in patients having had infectious hepatitis. E. K. Staritsa, S. A. Makarenko. Med. rad. 12 no. 4:58-61 Ap '67.

[Problems of the physiology and biochemistry of culti-vated plants] Voprosy fiziologii i biokhimi kulturnykh rastenii. Kishinev, Shtiintsa, 1962. 2 v. in 1. (NIC)

Study of biochemical properties of blood proteins and properdin and complement activity in animals with Brown-Pearce carcinoma. I. V. Zaretakina, L. M. Shafran. Vop. eksp. onk. no. 2:176-180 '60.

- BIOCHEMISTRY—CONGRESSES**
Annual meeting of the Department of Biochemistry, Biophysics and Chemistry of Physiologically Active Compounds of the Academy of Sciences of the USSR. V. G. Kochevskikh. Izv. AN SSSR Ser. biol. no. 3 456-460. May-June '67.
- BIOCHEMISTRY—PROBLEMS, EXERCISES, ETC.**
Bukhoyev, S. V. [Exercises in biological chemistry, a methodological handbook] Uprazhneniya po biologicheskoi khimii; metodicheskoe posobie. Leningrad, 1966. 154 p.
- BIOGRAPHY**
Life throughout a century. A. M. Bakhalevich. Mol. konn. no. 2-1-10 '67.
- BIOLOGICAL LABORATORIES—EQUIPMENT AND SUPPLIES**
Electric autosecondometer. I. I. Magarach, L. A. Rutsko, G. A. Shchikho. Fiziol. zhur. 53 no. 1 163-164. Apr '67.
Universal cage with an external feeding device for keeping small laboratory animals in a vivarium. G. N. Arkipov. Pat. Izol. i eksp. tsep. 11 no. 2 78-81. May-Apr '67.
- BIOLOGICAL RESEARCH**
Correlation of the electroencephalogram with neuron activity of the cerebral cortex and the biological state of animals. I. V. Fadcev. Fiziol. zhur. 53 no. 4 361-367. Apr '67.
Evaluation of earth biomass. V. A. Kovalev, I. V. Iakushevskaya. Izv. AN SSSR Ser. biol. no. 3 331-338. May-June '67.
Volodin, B. G. [On the way to the improbable] Na puti k neveroiatnomu. Moskva, Znaniye, 1967. 301 p.
- BIOLOGICAL WARFARE**
Striking factors. N. P. Kharov, A. M. Masnenko, A. K. Kharov. Voen. zhur. 43 no. 2 26-29. Apr '67.
- BIOLOGY—BIBLIOGRAPHY** see Bibliography—Biology
- BIOLOGY—PHILOSOPHY**
Goncharov, P. P., and I. G. Eroshkin, eds. [Basic philosophical problems of modern biology and medicine] Osnovnye filosofskie voprosy sovremennoi biologii i meditsiny. [Leningrad] Meditsina, 1967. 245 p.
Methodological foundation of the problem of mutual relation between structure and function in biology. P. A. Starchenko. Vopr. i vyv. un. Ser. step. nauk no. 3 116-155 '66.
Understanding the categories of "concept" and "form" in connection with the development of biology. M. I. Konkin. Nauch. dokl. vyssh. shkoly, filos. nauki 10 no. 2 31-32 '67.
- BIOLOGY—STUDY AND TEACHING**
To assist the teacher of biology. N. D. Ilekseva. Vech. sred. shkola 10 no. 2 48-51. May-Apr '67.
Vsesval'skii, B. V., comp. [Creative activity of students studying biology] Tvorcheskaya aktivnost' uchashchikhsia pri izucheni biologii, sbornik statii. Moskva, Prosveshchenie, 1965. 269 p. (Col.)
- BIOMETRY**
Statistical essence of biological objects. Report No. 1. Basic methods of biometry. I. U. A. Urmantsev. Fiziol. iast. 14 no. 2 342-358. May-Apr '67.
- BIONICS**
Bionic aspects of the study of the mechanisms of spatial information localization in bats. E. Sh. Aptapianis. Fiziol. zhur. 53 no. 4 368-376. Apr '67.
Makarenko, I. A. [Sense organs and automata] Organy chuvstv i avtomaty. Moskva, 1966. 30 p. (Lektoru o bionike)
Prokhorov, A. I. [Bionics and space] Bionika i kosmos. Moskva, 1966. 32 p. (Lektoru o bionike)
Semenov, V. N. [Nature teaches to build] Priroda uchiit stroit'. Moskva, 1966. 30 p. (Lektoru o bionike)
Saris, N. B. [Popularizing bionics; methodological recommendations to a lecturer] Popularizatsiya bioniki; metodicheskie rekomendatsii lektoiu. Moskva, 1966. 36 p. (Lektoru o bionike)
Zakharov, L. B. [Bionics of the sea] Bionika moria. Moskva, 1966. 16 p. (Lektoru o bionike)
- BIOPHYSICS**
Biologically active fractions produced by different organisms and their study by modern methods. A. Kh. Tam-biev, M. M. Telichenko. Nauch. dokl. vyssh. shkoly, biol. nauki 10 no. 3 357-39 '67.
Ryachev, V. T. [Introduction to biophysical photometry; photometric measurements in biology] Vvedenie v biophysicheskuyu fotometriyu; fotometricheskoe izmereniya v biologii. [L'viv] Izd-vo Lvovskogo univ., 1966. 377 p.
- BIOS**
Content of the complex of physiologically active substances of bios groups in the gain, embryos, hybrid endosperms, and self-pollinated corn lines. I. E. Zakrevskaya. [Trudy] Khimii 57 85-91 '66.
- BIOSYNTHESIS**
Age-related changes in protein synthesis. Report No. 3. Protein synthesis in liver sections of different-aged animals. I. N. Bulankin, E. V. Pashina, N. I. Golovko. Uch. zap. KHGU 131 21-26 '62.
- L-tryptophan biosynthesis from indole and its derivatives in yeast and Escherichia coli. M. I. Vekhovtseva, E. I. Ruban, N. N. Suvorova. Izv. AN SSSR Ser. biol. no. 3 374-385. May-June '67.
Mechanism of biosynthesis of the phenoxazine part of the antibiotic auranin. T. I. Orlova, A. B. Sibaev. Antibiotiki 12 no. 4 283-287. Apr '67.
Nicotinic biosynthesis. M. A. Iovkova. Izv. AN SSSR Ser. biol. no. 3 413-421. May-June '67.
Possible pathways of insulin biosynthesis. S. V. Menden-Pova, M. V. Zaitlenberg. Dokl. AN SSSR 173 no. 5 1218-1221. Apr '67.
- BIOTIN**
Prevention of experimental atherosclerosis development by biotin. O. K. Drobosova, A. N. Klimov. Dokl. AN SSSR 172 no. 6 1454-1456. Apr '67.
- BIPYRIDINE**
Bromination of 2,2'- and 3,3'-dipyridyls. I. V. Kurbatov and others. Nauch. trudy TashGU no. 286. Khim. nauki no. 16 92-94 '66.
Preliminary data from the pharmacological studies of some 1,1'-dipyridyl derivatives. M. N. Makhsumov, A. V. Zhaev, O. S. Otrushchenko. Nauch. trudy TashGU no. 286. Khim. nauki no. 16 95-97 '66.
Study of chemical transformations of 3,3'-dipyridyl-6-sulfuric acid. O. S. Otrushchenko, M. V. Kurbatov, A. S. Sadkov. Nauch. trudy TashGU no. 286. Khim. nauki no. 16 88-91 '66.
Sulfuration of 3,3'-dipyridyl by sulfuric acid. O. S. Otrushchenko, A. A. Zhaev, V. S. Sadykov. Nauch. trudy TashGU no. 286. Khim. nauki no. 16 87-87 '66.
- BIRCH**
Case of anomalously high content of lupol in white birch bark. G. V. Tolstikov and others. Zhur. prikl. khim. 40 no. 4 920-921. Apr '67.
Lubavskaya, A. Ia. [Breeding and cultivation of Karelian birch trees] Selektzia i razvedeniya karelskoi berezy Moskva, Lesnaya promyshl., 1966. 122 p. (DNAL)
Resources of birch bark material for the plywood industry. Z. M. Naumenko. Dets. prom. 16 no. 1 15-17. Apr '67.
- BIRCH, FOSSIL**
Some Tertiary representatives of genus Betula L. P. I. Dorofeev. Dokl. AN SSSR 173 no. 3 681-681. May '67.
- BIRDS—EMBRYOLOGY** see Embryology—Birds
- BIRSK—FLOOD FORECASTING**
For forecasting distribution of runoff in spring period on Belaya River at Birsik. T. T. Makarova. Trudy TSIP no. 118-128-142 '66.
- BIRSK—RUNOFF**
Forecasting distribution of runoff in spring period on Belaya River at Birsik. T. T. Makarova. Trudy TSIP no. 118-128-142 '66.
- BIRTH, MULTIPLE**
Quality of golden and black Karakul sheep as related to multiparity. V. S. Zhilakova. Vost. selsk. khoz. nauki [Kazakh.] 10 no. 3 51-58. May '67.
- BISMUTH**
[See also subdivision under Siberia]
Preparation of bismuth from reprecipitated tailings of tungsten ore dressing products. V. A. Stokorov, S. I. Sobol', T. Svet. mel. 31 no. 7 10-27. Apr '61.
- BISMUTH—ELECTRIC PROPERTIES**
Quantum dimension effects in thin bismuth films. I. U. G. Ogri and others. Radiotekhnika i elektronika 12 no. 4 718-749. Apr '67.
- BISMUTH-CADMIUM ALLOYS—ELECTROMAGNETIC PROPERTIES**
Study of the properties of bismuth-cadmium alloys in solid and liquid states as related to their structure. Z. N. Ivoninskaya, A. R. Regel'. Izv. AN SSSR Neorg. mat. 3 no. 1 38-44. Jan '67.
- BISMUTH CHLORIDES—SOLUBILITY**
Solubility of bismuth oxychloride in perchloric acid solutions and standard (isobaric) potential of Bi³⁺ ion in aqueous solution. V. P. Vasil'ev, N. K. Grachina. Zhur. neorg. khim. 12 no. 3 605-609. May '67.
- BISMUTH COMPOUNDS**
Complex compounds of bismuth salts with some amino derivatives of carboxylic acids. B. V. Tronov, A. A. Zheleznov, G. F. Gavrilin. Zhur. ob. khim. 37 no. 3 576-578. May '67.
- BISMUTH COMPOUNDS—ELECTRIC PROPERTIES**
Crystalline structure of the superconducting compounds Bi₂Bi₂ and Bi₂Bi₂. N. N. Zhuravlev, V. N. Melik-Adamian. Kristallografiya 6 no. 1 121-124. Jan-Feb '61.
- BISMUTH-COPPER ALLOYS** see Copper-bismuth alloys
- BISMUTH HALIDES**
Effect of temperature and ionic strength on the thermal effect of formation of monohalide complexes of bismuth in aqueous solution. V. P. Vasil'ev, G. A. Lobanov. Zhur. neorg. khim. 12 no. 4 878-883. Apr '67.
- Some properties of BiCl₃ and BiBr₃ and fusibility in system formed by them. A. I. Pustil'nik and others. Zhur. neorg. khim. 12 no. 1 1031-1031. Apr '67.
- BISMUTH-INDIUM ALLOYS** see Indium-bismuth alloys
- BISMUTH-LEAD ALLOYS** see Lead-bismuth alloys
- BISMUTH MOLYBDATE**
Process of oxidizing dehydrogenation of isomylones bismuth molybdates. T. Ia. Guman, B. R. Seichuk, M. A. Dalin. Khim. i tekhn. topl. i masel. 12 no. 4 1-1. Apr '67.
- BISMUTH SALTS**
Interaction and linkage between pyridylazo compound lead and bismuth cations. S. I. Gusev, I. A. Kozhevnikov, L. M. Shunova. Zhur. neorg. khim. 12 no. 3 619. May '67.
- BITKOV GAS CONDENSATE FIELD—GAS, NATURAL**
Interaction of horizons and evaluation of gas reserve. Bitkov gas condensate field. N. S. Shvadchak. Razi. neft. i gaz mest. no. 150-58 '65.
- BITKOV OIL FIELD—SECONDARY RECOVERY OF OIL**
Some problems in developing mentile sediments in oil field using gas repressuring. N. S. Shvadchak, V. O. Mirza. Razi. neft. i gaz mest. no. 150-61 '65.
- BITOLYL**
Oxidation of p,p'-bitolyl. N. S. Prostator, Ruben Bar. Zhur. prikl. khim. 40 no. 4 935-936. Apr '67.
- BITS (DRILLING AND BORING)**
[See also subdivision under Caspian Mountain region]
DSGLIR stepped three-way jet bit. G. G. Tagiev and others. Mash. i elekt. obrab. no. 2 31-33 '67.
Determining positions of instantaneous axes of rotation of two-cone cutters. G. D. Bivoda, V. V. Vinogradov. Neft. khim. 15 no. 1 21-23. Apr '67.
Effect of teeth blunting on drillability of rocks. A. V. Kolesnikov. Mash. i elekt. obrab. no. 1 19-22 '67.
Example of calculating nomogram for optimum weight on bit in turbine drilling. E. M. Khudobekov, G. M. Zaitmanovich. Izv. vyssh. ucheb. zav., neft. i gaz. 10 no. 2 11-16 '67.
Hard-alloy cutting tool for USB-2m plows. G. G. Karim and others. Ugol' Ukr. 11 no. 2 73-74. Apr '67.
- BITS (DRILLING AND BORING)—TESTING**
Method for studying wear and breakdown of roller bit support. V. N. Vinogradov, G. M. Vinogradov, A. A. Pash. Neft. khim. 15 no. 1 62-63. Apr '67.
Some results of analyzing used insert bits. S. M. Galzhbekinskiy, S. G. Babarov, S. B. Tsyplen. Neft. i gaz. prom. no. 2 10-22. May-Apr '67.
- BITUMEN**
Electric and oil heating of bitumen. P. L. Ivanov, N. A. Ialovets. Avt. dor. 30 no. 3 18. May '67.
- BITUMEN—TRANSPORTATION**
Tractor train for transportation of bitumen. I. U. Sobolev, A. Khodun. Avt. transp. 15 no. 4 48-49. Apr '67.
- BITUMINOUS MATERIALS**
Gorshenina, G. I., and N. V. Mikhailov. [Polymer-bituminous insulating materials] Polimer-bitumennye izoliruyemye materialy. Moskva, Nedra, 1967. 230 p.
- BIVINYL**
Oxidizing dehydrogenation of n-butane to divinyl in the presence of iodine and a sodium acceptor. G. V. Stepanov and others. Khim. prom. 43 no. 4 20-22. Apr '67.
- BLACK SCAB** see Potato wart
- BLACK SEA—ANCHOVIES**
Food supply for Azov and Black Sea races of *Engraulis encrasicolus* (L.). G. E. Shulman, L. M. Kozlov. Dokl. AN SSSR 172 no. 6 1427-1429. Apr '67.
- BLACK SEA—ATMOSPHERIC TEMPERATURE**
Types of synoptic processes and their effect on temperature regime of the Black Sea in the cold season of a year (November-March). A. P. Chernikova. Sbor. rab. BGMO CHAM no. 1104-110 '66.
- BLACK SEA—GRAY MULLET**
Future intensification of liman mullet breeding in light of some biological characteristics of its reproduction. I. U. P. Zaitsev. Dop. AN URSR no. 1 108-111 '61.
- BLACK SEA—HARPACTICIDAE**
New data on Harpacticidae (Copepoda) of the Black Sea. V. I. Monchenko, Dop. AN URSR, Ser. B 29 no. 5 461-465. May '67.
- BLACK SEA—MUSSELS**
Growth of Black Sea mussels (*Mytilus galloprovincialis* Lam.) from the Odessa shoals. A. I. Ivanov. Gidrobiol. zhur. 3 no. 2, 20-25 '67.
- BLACK SEA—OCEAN CURRENTS**
Gradient component of wind current in the Black Sea. B. F. Cheredilov. Sbor. rab. BGMO CHAM no. 4 34-48 '66.

- BLACK SEA—OCEANOGRAPHY**
Salinity as indicator of water dynamics of 360-meter surface layer of the Black Sea. G. I. Raityshevskaya. Sbornik DGO CHIAM no 120 3-13 '66
- BLACK SEA—POLYCHAETA**
Species of the genus *Ophelia* Savigny (Opheliidae, Polychaeta) in the Black Sea. G. I. Raityshevskaya. Sbornik DGO CHIAM no 120 3-13 '66
- BLACK SEA—SALINITY**
Salinity as indicator of water dynamics of 360-meter surface layer of the Black Sea. G. I. Raityshevskaya. Sbornik DGO CHIAM no 120 3-13 '66
- BLACK SEA—SAUREL**
Biological study of Black Sea saurel. R. S. Shaverdov. Trudy Nauch.-issled. yubkhoz. sta Gruz. 10 10-28 '65.
- BLACK SEA—ZOOPLANKTON**
Biochemical composition of hypocostron in relation to hydro-meteorological conditions in the western part of the Black Sea. P. I. Kostylev. Gidrobiol. zhurn. 3 no 3 76-79 '67
- BLACK SEA DEPRESSION—GEOPHYSICS**
Initial phase of development of Black Sea Depression. M. G. Imakov. Bul. MOIP. Otd. geol. 12 no 1 20-30 Jan '67.
- BLACK SEA REGION—ARCHITECTURE, ANCIENT**
Recommended methods for the description of stonework in the cities of the northern Black Sea region from the 7th century B.C. through the 18th century A.D. S. D. Kuchiytskii. Arkheologiya 18 19-17 '66
- BLACK SEA REGION—ARMS AND ARMOR, PRIMITIVE**
Daggers of the Usatovo type. V. H. Zhenovych. Arkheologiya 20 38-16 '66
- BLACK SEA REGION—ATMOSPHERIC TEMPERATURE**
Anomalies of mean monthly temperature of air on the coast of the Black Sea. A. P. Cheludakov. Sbornik DGO CHIAM no 196-103 '66
- BLACK SEA REGION—FELJON**
Feljona. B. H. Murinson. Fiziol. no 3 52 Mi '67
- BLACK SEA REGION—GEOLOGY**
Block structure of conjugated zone of Azov Sea area massif with Black Sea Depression. R. M. Dushan. Dop. AN URSR, Ser. B. 20 no 3 196-200 Mi '67
- BLACK SEA REGION—MOUNDS**
The first burial mound of the Chernyakhov type in the northern Black Sea region. E. O. Symonovych. Arkheologiya 20 196-201 '66
- BLACK SEA REGION—WORLD WAR, 1939-1945—NAVAL OPERATIONS**
Hypothesis on the nature of behavior of the Communists. N. Kulakov. Komm. Vooruzh. Sil. 18 no 8 25-35 Ap '67
- BLACKFLIES** see subdivision under Vologda Province
- BLADDER—CANCER**
New data on the etiology of cancer of the bladder. A. L. Shabat. Urologiya 25 no 3 68-71 My-Je '60.
- BLADDER—INNERVATION**
Changes in the bioelectric activity of the medulla oblongata following stimulation of receptors of the urinary bladder. O. S. Melnikova, T. V. Popova. Fiziol. zhurn. 53 no 3 280-290 Mi '67
- BLADDER—TUMORS**
Experimental tumors of the urinary bladder in dogs caused by beta-naphthylamine. A. G. Matyushenko. Vopr. ekol. onk. no 2 42-49 '66.
- Pogozheva, L. N.** [Neoplasms of the urinary bladder] Novooobrazovaniya mochevogo puzrya. Moscow, Meditsina, 1967. 242 p. (DNLM)
- BLADES—COOLING**
Designing air-cooled sleeve-type blade of uniform strength. A. G. Zemnukov. Izv. vuz. ucheb. zav., av. tekhn. 10 no 1 107-111 '67
- BLAST EFFECT**
Strengthening of steel caused by cumulative explosion. L. I. Mirkina, N. P. Novikov. PMTF no 6 125-128 N-D '68.
- BLAST FURNACES**
Effect of air preheating on blast furnace operations. N. N. Babarykin, T. A. Ushin. Stal' 20 no 5 391-396 My '60.
- The Gröbler principles; open to discussion. V. N. Andronov, L. D. Shkarevich, D. V. Gulyga. Stal' 20 no 3 207-213 Mr '67.
- Increasing the temperature of blast furnace blowing by shifting air preheaters to parallel work in pairs. N. K. Leonidov, G. S. Klagin. Stal' 27 no 3 204-207 Mi '67.
- Interrelation between gas permeability and heat condition of blast furnaces. A. N. Polivisnev, V. M. Klemper. Izv. vuz. ucheb. zav. chem. met. 10 no 3 20-32 '67.
- Operation of blast furnaces with evaporative cooling. P. G. Glazkov, D. E. Krasnorozhen. Stal' 20 no 5 403-105 My '60
- Pulsating blow as method of regulating blast furnace operations. V. A. Sorokin and others. Izv. vuz. ucheb. zav., chem. met. 10 no 3 33-36 '67
- BLAST FURNACES—DESIGN AND CONSTRUCTION**
Dimensions of the hearth of a blast furnace. N. K. Leonidov. Metallurg. 12 no 3 35-8 Mi '67.
- Performance of blast furnaces with thin-wall stacks. M. S. Kudoliarov and others. Stal' 27 no 3 200-203 Mi '67.
- Testing the carbon block lining of blast furnaces. P. A. Khutshovich and others. Stal' 20 no 5 385-391 My '60
- BLAST FURNACES—EQUIPMENT AND SUPPLIES**
Characteristics of changes occurring in charge materials in a blast furnace operating on steam-and-air blow and natural gas. A. G. Rusakova, I. A. Kopylov, V. P. Rintchenko. Izv. AN SSSR. Met. no 2 7-13 Mi-Apr '67
- Design of large blast furnace charging equipment. B. P. Krashinsky and others. Stal' 27 no 3 211-215 Mi '67.
- Hot blast moistening with the use of natural gas. K. I. Kotov. Izv. vuz. ucheb. zav., chem. met. 10 no 1 21-28 '67
- Influence of standardized indices showing mechanical strength of coke on the operation of blast furnaces. V. I. Khavkin, N. M. Glushchenko. Koks i kishn. no 3 21-25 '67.
- Influence of the method of natural gas supply on furnace zone processes. I. U. M. Boris and others. Metallurg. 12 no 3 33-4 Mi '67.
- Mechanization of the removal of waste from runner pipes of pouring machines. P. P. Chuvpylo, V. F. Bannykh, N. G. Sidorenko. Metallurg. 12 no 3 11-12 Mi '67.
- Purifying coke-oven gas before its injection into blast furnace. L. A. Mykolnikov and others. Koks i kishn. no 3 12-11 '67.
- BLAST FURNACES—FUEL**
Trends in using Donetsk Basin coals for manufacture of coke with properties corresponding to new operational conditions of blast furnaces. G. I. A. Rutkovskii, V. A. Lotos. Ugol' Ukr. 11 no 2 36-50 Mr '67.
- BLAST FURNACES—MAINTENANCE AND REPAIR**
Influence of blast furnace dust on the wear of charging equipment. E. D. Shkopa and others. Metallurg. 12 no 3 8-11 Mi '67.
- BLAST FURNACES—MATHEMATICAL MODELS**
Possibilities in the description of perturbation effects. P. M. Maslovskii, V. I. Tyutshenko. Izv. vuz. ucheb. zav., chem. met. 10 no 1 159-166 '67.
- BLASTING**
(see also subdivision under Vorkuta region, Komi A. S. S. R.)
- Chemical neutralization of nitrogen oxides during blasting operations in mines. V. V. Isaev. Bezop. truda v prom. 11 no 3 51 Ap '67.
- Creative blasting. A. Kakharov, O. Arutunov. Ekol. i zhizn' 9 no 3 35-37 Mi '67.
- Immersion of methane in preparation of workings during blasting operations. I. I. Akimovich. Bezop. truda v prom. 10 no 1 8 Ap '66.
- Letters from our readers. Bezop. truda v prom. 10 no 10 56-77 O '66
- Means of limiting the explosions of charges of commercial explosives without the use of caps. Z. I. Pozdnakov. Bezop. truda v prom. 10 no 1 19-10 Ap '66.
- Nauchno-tekhnicheskoe soveshchaniye po burovzryvnym rabotam. Dnepropetrovsk, 1965.** [Summary of reports and communications of the Scientific and Technological Conference on Borehole Drilling] Tezisy dokladov i soobshchenii. Moskva, Sbornik 1-4 1965, 4 v.
- Secondary crushing of oversize ores with explosive charges in a liquid medium. P. F. Stahov. V. S. Antoniev. Bezop. truda v prom. 11 no 3 20-21 Mi '67
- Simultaneous mining of contiguous steeply pitching veins with ore breaking by the deep hole method. V. I. Kapul', N. I. Gushchikina. Gor. zhur. 112 no 3 27-28 Mr '67.
- Smooth blasting of hard rocks in major workings in coal mines. P. I. A. Taranov, A. G. Gud'z', E. M. Garnitsev. Ugol' Ukr. 11 no 2 13-15 Mr '67.
- Ventilation of slopes during coal mining with wire line guns and by borehole blasting methods. A. A. Masnikov. Vop. bezop. v ugol' shakht. 7 26-30 '66.
- BLASTING—EQUIPMENT AND SUPPLIES**
Calculating equivalent explosive charges. N. U. Turuta, I. U. L. Blagodatniko. Izv. vuz. ucheb. zav., gor. zhur. 10 no 2 67-71 '67.
- Economic efficiency of using various types of explosives and their mixtures at the Sibay Open-Pit Mine. A. G. Sisin, B. A. Timofeev, A. A. Batmanova. Gor. zhur. 112 no 3 38-42 Mi '67.
- Equipment for mechanical charging of boreholes with preformed explosive charges. A. V. Bichkin and others. Gor. zhur. 112 no 3 71-75 Mr '67.
- Rapid conveyor-mixed heading at the 'Novovolynskaya' No. 7 Coal Mine. E. P. Romanuk, V. I. Maslkin. Ugol' Ukr. 11 no 2 21-22 F '67.
- BLASTING—SAFETY MEASURES**
(see also subdivision under Kazakhstan)
- Blasting with the help of the L. Z. 500-62-2 "pyrotechnical" relay. A. I. Teterov. Bezop. truda v prom. 10 no 3 18-19 Ap '66.
- Conditions determining the parameters of internal borehole stemming. I. N. Chernov, I. U. A. Masnikov. Vop. bezop. v ugol' shakht. 7 197-201 '66.
- Estimating the disruptive effect of borehole charges. I. N. Chernov, I. U. A. Masnikov. Vop. bezop. v ugol' shakht. 7 201-206 '66.
- Factors influencing the inflammability of explosive gas mixtures by electric spark. V. S. Komarov. Vop. bezop. v ugol' shakht. 7 220-221 '66.
- Improving the water circuit in blasting operations. V. I. Stal'chev, V. M. Yegorova, N. R. Shklovskiy. Bezop. truda v prom. 10 no 10 9-10 O '66.
- Overall dust removal from the atmosphere in coal faces of development workings during blasting and boring mining method. I. A. Likhtichev. Vop. bezop. v ugol' shakht. 7 189-191 '66.
- Peripheral blasting with the preservation of intact walls. P. I. A. Taranov and others. Bezop. truda v prom. 11 no 3 39-10 Mi '67.
- Preparation of vessels for the atomization of water. P. Blazhukhin. Bezop. truda v prom. 10 no 1 52-53 Ap '66.
- Safety conditions in shot-delay blasting of deep boreholes. N. I. Diadkovskiy and others. Bezop. truda v prom. 11 no 1 1-13 Mi '67.
- Safety of blasting operations in mines. V. M. Kasparov. Bezop. truda v prom. 10 no 1 9-11 Ap '66.
- Some problems concerning the effect of electromagnetic radiations on the safety of blasting operations. O. P. Mon'ko. Bezop. truda v prom. 10 no 4 11-16 Ap '66.
- Studying the static electricity in the pneumatic conveying of lumps of plastic. V. I. Fomchenko and others. Bezop. truda v prom. 11 no 1 13-16 Mi '67
- BLEEDING** see Hemorrhage
- BLENDED YARN**
Calculation of the diameter of capron-core cotton yarn. O. H. Koban. Tekh. prom. 8 no 2 33-34 Mi-Apr '67
- BLENDING** see Mixing
- BLIFEL'D, DAVYD ISKOVYCH, 1908-1966**
D. I. Blifeld; an obituary. Arkheologiya 20 235-236 '66.
- BLIND AUTHORS** see Authors, Blind
- BLOK, ALEKSANDR ALEKSANDROVICH, 1880-1921**
Aleksandr Blok as an actor. P. Kudrjavtseva. Teatr. 20 no 3 77-18 Mi '67.
- BLOKH, ZALMAN SHEVELEVICH, 1906-1967**
Zalman Shevelovich Blokh, obituary. Avtom. i telemek. no 4 183 Ap '67.
- BLOOD—ANALYSIS AND CHEMISTRY**
Blood microelectrolyte method and its significance in biology. L. A. Semenov. Trudy Oren. ottd. Vses. fiziol. obsch. no 3 112-117 '64.
- Blood serum protein fractions, haptoglobin types and hemoglobin fractions in various forms of children's jaundice. T. I. Kuznetsova. Soob. AN Gruz. SSR. 45 no 2 107-111 F '67.
- Content of vitamin B₆ in the blood serum in monkeys following γ- and γ-neutron irradiation. G. N. Zgur'skaya, N. K. I. vserova. Med. rad. 12 no 1 81-88 Ap '67
- Content of vitamin B₁₂ in the blood serum in monkeys being subjected to chronic irradiation. Z. N. Dzhelileva, P. K. Dzhikidze. Med. rad. 17 no 1 86-87 Ap '67
- Potassium and sodium in the blood of animals with tumor block developing under various functional states of the central nervous system. V. A. Shul'itskiy. Trudy Oren. ottd. Vses. fiziol. obsch. no 3 225-22
- Some characteristics of disorders of the dynamics of the biophysical properties of the blood in patients with malignant neoplasms. V. I. I. no 2 230-244 '66.
- BLOOD—CIRCULATION**
Age-related characteristics of blood circulation

BLOOD—CIRCULATION (Continued)

- Method of studying external secretion of the liver in dogs with intact gallbladder and hepato-intestinal circulation. M. I. Nesterin, R. V. Narodetskaya. *Blud eksp. biol. i med.* 63 no. 5:121-122 M₃ '67
- Some factors affecting hemodynamic changes following resection of the nasal septum. N. M. Smirnov, Zhur. uzh., no. 1:101-102, 20 no. 2:21-25 M₃-Ap '60.
- Use of low-inertia load thermoresistors for measuring the coronary blood flow in dogs under conditions of a chronic experiment. V. B. Zakharenko, V. N. Struchkov, E. S. Chebotareva. *Pat. fiziol. i eksp. terap.* 11 no. 2:76-78 M₃-Ap '67

BLOOD—CIRCULATION, ARTIFICIAL

- Dynamics of oxygen consumption by the myocardium in cardiac arrest experiments with artificial blood circulation under normal temperature conditions and in hypothermia. I. N. Aghapova, O. P. Shalybkova, L. I. Logunova. *Pat. fiziol. i eksp. terap.* 11 no. 3:7-11 M₃-Ap '67
- Pathogenesis of acute cardiac insufficiency following surgery on the open heart. V. I. Burakovskii, S. A. Etkin, G. D. Kozlov. *Vest. AN SSSR* 22 no. 1:61-74 '67.
- Results of surgical treatment of postinfarct cardiac aneurysms under conditions of artificial blood circulation. A. V. Pokrovskii and others. *Vest. AN SSSR* 22 no. 1:74-78 '67
- Study of systemic vascular reactions by means of total artificial blood circulation in cats. L. I. Osadchii. *Blud eksp. biol. i med.* 63 no. 4:3-7 Ap '67.

BLOOD—CIRCULATION, DISORDERS OF

- Microstructural changes in thymus gland following experimental ischemia. M. V. Shubinitse, M. P. Zilyuk, V. L. Zelenko. *Dop. AN URSSR Ser. B* 29 no. 1:362-368 Ap '67
- Structural changes in bronchial arteries and the development of collateral circulation pathways following ligation of segmentary branches of the pulmonary artery. I. O. Mokshynik. *Dop. AN URSSR* no. 10:1372-1376 '63.
- X-ray diagnosis of defects of the interauricular septum in the light of studying hemodynamics and surgical treatment. I. N. Romashov, G. G. Abramishvili, R. R. Golenzko. *Vest. i ent. i rad.* 12 no. 2:73-80 M₃-Ap '67

BLOOD—COAGULATION

- Blood coagulation system and hematogenic metastasis. V. I. Shiba. *Pat. fiziol. i eksp. terap.* 11 no. 2:61-84 M₃-Ap '67.
- Coagulating and anticoagulating system of the blood and thromboplastin before, during, and following surgery on organs of the abdominal cavity. M. P. Postolov, T. U. Alimov. *Khirurgiya* 13 no. 1:105-111 Ap '67
- Coagulation reaction of the third fraction of blood in poultry with tuberculosis according to Danilov's method. G. V. Chepik. *Vest. sel'skhoz. nauk. [Kazakh]* 9 no. 12:74-78 D '66.
- Effect of calcium chloride on blood coagulation. I. N. Novak, V. M. Iadnova. *Farm. i toke.* 30 no. 2:192-195 M₃-Ap '67.
- Effect of increased sugar content in blood on its coagulation rate. I. U. M. Smirnov, Trudy Oren. otd. Vses. fiziol. ob-va no. 3:157-168 '64.
- Nucleic acid activity of Staphylococcus and its relation to plasma coagulation and hyaluronic acid properties. A. T. Slabospitska, N. I. U. Preobrazhenska. *Mikrobiol. zhur.* 29 no. 2:417-420 M₃-Ap '67
- Role of kidneys in the humoral function of the physiological anticoagulation system. T. I. Anashko, T. M. Kalishchinskaya. *Dokl. AN SSSR* 173 no. 2:479-480 M₃ '67
- Role of the cholinergic substrate of the hypothalamus in the regulation of the blood coagulation system. A. K. Chepurov, A. A. Markosin. *Blud. eksp. biol. i med.* 63 no. 4:30-33 Ap '67.

BLOOD—COLLECTION AND PRESERVATION

- Methods for obtaining blood flowing from rumen and its chambers. A. A. Ailev. *Fiziol. zhur.* 53 no. 4:459-462 Ap '67.

BLOOD—COMPOSITION

- Iron in combination with trace elements, manganese, and copper content in hypovitaminosis A. P. K. Pimenov, no. 4:43-47 Ap '67.
- Content of afibrinogenemia. V. V. Ieksp. terap. 11 no. 2:47-45
- Changes on the tone of arterial circulation. D. V. Demin. M₃ '67.
- Physiology. B. D. Lishchinskii. M₃ '67.
- Changes during increased intracranial pressure. *Fiziol. zhur.*
- Changes in acute renal insufficiency. T. I. Koret. M₃ no. 2:59-61

- Electrophoretic characteristics of blood serum proteins in burn disease and its treatment with immunochemo-transfusions. V. A. Orlik. *Sov. med.* 30 no. 3:21-26 M₃ '67
- Protein composition of the blood serum in dogs in blood transfusion shock with administration of dimedol. K. A. Shumardanov. *Blud. eksp. biol. i med.* 63 no. 4:52 Ap '67

- Transfusion of blood and blood substitutes at regimental medical aid station and medical battalion. O. K. Gavrilov. *Voen. med. zhur.* no. 3:10-14 M₃ '67

BLOOD, GASES IN

- Effect of preliminary cooling in association with hypoxemia and hypercapnia on changes in the cerebral content of labile phosphates and inorganic phosphorus during a temporary interruption of the blood supply under the conditions of artificial hypothermia. I. R. Petrov, N. V. Korostovskaya. *Fiziol. zhur.* 49 no. 10:1155-1162 O '63.

BLOOD CELLS

- Atypical cells in the blood of rabbits with Brown-Pearce carcinoma. G. I. Diadushka, N. A. Baida. *Vop. eksp. onk.* no. 2:228-234 '66.

- BLOOD DONORS see subdivision under Groznyy

BLOOD PLASMA

- Purification of kininogen (bradykininogen) from rabbit blood plasma and the study of its properties. T. P. Egorova, T. S. Paakhina. *Biokhimiya* 32 no. 2:354-362 M₃-Ap '67

BLOOD PLATELETS

- Blood platelets in tumors of the urogenital apparatus. L. M. Kaidanskaya. *Urologiya* 25 no. 3:18-25 M₃-Je '60
- Content and functional state of thrombocytes in patients with cancer of the stomach. P. V. Lys, Vop. onk. 13 no. 3:30-32 '67.

BLOOD PRESSURE

- Effect of curarelike substances on reflex changes in the arterial pressure. V. K. Muratov. *Farm. i toke.* 30 no. 2:156-159 M₃-Ap '67
- Prolonged changes in coronary circulation and blood pressure after stimulation of different segments of the hypothalamus. A. V. Tonikh, A. I. Ilijina, S. I. Teplov. *Fiziol. zhur.* 48 no. 7:842-849 Je '62.
- Reflex changes of blood pressure following stimulation of sensitive nerves of musculus rectus abdominis. A. M. Khramov. *Nauch. dokl. vjs. shkol. biol. nauk.* 10 no. 3:37-39 '67.

BLOOD PROTEINS

- Changes in antibody biosynthesis and protein spectrum of the blood serum under the effect of ultrasound on the liver region in rabbits. D. I. A. Kichanov. *Blud. eksp. biol. i med.* 63 no. 5:51-54 M₃ '67.
- Changes in the protein fractions of blood serum and basal metabolism in the premonitory period of the development of induced neoplasms. L. I. A. Kamenets. *Vop. eksp. onk.* no. 2:180-183 '66
- Changes in the protein fractions of the blood serum in cancer of the stomach. I. M. Mikhalevskii, A. D. Lashchinskaya. *Vop. onk.* 13 no. 3:33-37 '67.
- Comparative characteristics of blood serum proteins and benign and malignant diseases of the lungs. N. A. Shurina. *Sov. med.* 30 no. 3:143-144 M₃ '67
- Differential diagnostic value of blood serum protein fractions in diseases of the stomach and esophagus. I. U. E. Berozov, I. P. Stepanian, M. D. Lapin. *Sov. med.* 27 no. 8:77-81 Ap '63.

- Dynamics of C-reactive protein in burn disease. I. I. Kolkov, I. U. M. Panova, M. I. Dolgova. *Sov. med.* 30 no. 3:26-31 M₃ '67.

- Growth-inhibiting nutrition and its effect on age-related changes in the organism. Report No. 6. Effect of growth-inhibiting nutrition on blood serum proteins of white rats. V. N. Nikitin, O. I. Galavina. *Uch. zap. KUGU* 131:160-165 '62.

- Permeability of normal and virus infected cells for proteins of γ -globulin fractions of normal and immune sera. O. K. Kuznetsov and others. *Blud. eksp. biol. i med.* 63 no. 5:63-66 M₃ '67

- Study of biochemical properties of blood proteins and properdin and complement activity in animals with Brown-Pearce carcinoma. I. V. Zaretskaya, L. M. Shafran. *Vop. eksp. onk.* no. 2:178-180 '66.

- Study of protein fractions of the blood serum in lower monkeys by means of free electrophoresis. G. A. Annenkov, V. D. Usenskaya, M. V. Pleskova. *Blud. eksp. biol. i med.* 63 no. 5:56-59 M₃ '67.

BLOOD SUGAR

- Effect of increased sugar content in blood on its coagulation rate. I. U. M. Smirnov. *Trudy Oren. otd. Vses. fiziol. ob-va* no. 3:157-168 '64.

BLOOD VESSELS

- Method for evaluating the functional characteristics of a vessel. V. P. Shafranov. *Akh. pat.* 28 no. 4:78-78 '67.
- Thromboplastic activity of various layers of the vascular wall in radiation sickness. I. A. Andrushko. *Blud. eksp. biol. i med.* 63 no. 5:29-32 M₃ '67.

BLOOD VESSELS—DISEASES

- Clinical psychopathological classification of dementia of vascular genesis. V. M. Bleikher. *Zhur. nev. i psikh.* 67 no. 1:543-546 '67
- Determination of the rate of visual perception in various diseases in elderly persons. E. M. Mel'nik. *Zhur. nev. i psikh.* 67 no. 4:511-514 '67
- Problems of occupational cryopathology. G. A. Orlov. *Khirurgiya* 43 no. 1:1-20 Ap '67

BLOOD VESSELS—INNERVATION

- Dependence of constrictor and dilator reactions of cerebral vessels from their initial tone. D. I. Pavulla, G. P. Mikhlin. *Fiziol. zhur.* 53 no. 1:47-48 Ap '67
- Innervation of intracerebral vessels under normal conditions and in disorders of cerebral blood circulation. I. S. Etkhov. *Zhur. nev. i psikh.* 67 no. 4:500-504 '67
- Vascular baroreceptors in experimental myocardial infarct. E. B. Khaiman, B. M. Fedorov, N. A. Rod. *Blud. eksp. biol. i med.* 63 no. 5:117-120 M₃ '67.

BLOOD VESSELS—SURGERY

- Late result following primary suture of neurovascular bundle on the level of the middle third of the right forearm. D. M. Bagirov. *Azeib. med. zhur.* 44 no. 1:87-88 Ap '67.

BLOODLETTING

- Treatment with bloodletting of cor pulmonale patients. N. K. Kazanbiev. *Sov. med.* 27 no. 8:130-135 Ag '66

BLUE BABY see Tetralogy of fallot

BLUEPRINTS—TERMINOLOGY

- United system of structural documentation. A. Agre. *Tekhn. i voen. uzh.* 25 no. 4:11-15 Ap '67

BOARDS OF TRADE

- Chamber of Commerce in operation. M. Nostrov. *Vnesh. tolg.* 17 no. 3:9-13 '67

BOARS—GENETIC RESEARCH

- Relationships in the variability of general indices of men and sperm in boars of large white breed. A. I. Trofimenko. *TSit. i gen.* 2 no. 2:78-83 M₃-Ap '61

BODY TEMPERATURE—REGULATION

- Difference in the intraventricular introduction of bacteriopyrogen and α -dinitrophenol on the regulation of the hypothalamus. I. S. Repin. *Blud. eksp. biol. i med.* 63 no. 4:64-65 Ap '67

- Effect of temperature conditions of the embryonic development on the thermoregulation of chicks. V. V. Khask. *Fiziol. zhur.* 49 no. 10:1254-1259 O '63.

- Nauchnaya konferentsiya po probleme "Bioenergetika." [Heat production in the body, materials] *Teplodobrazovanie v organizme; materialy.* Kiev, Naukova dumka, 1964, 239 p.

BODY WEIGHT

- Age-related characteristics of the effect of adrenals: on albumin-globulin coefficient of blood serum and the body weight of white rats. V. N. Nikitin, F. A. Ili'ko. *Uch. zap. KUGU* 131:105-109 '62.
- Age-related characteristics of the effect of cortisone on protein spectrum of blood serum and on weight of some organs in white rats. V. N. Nikitin, R. I. Golubinskaya. *Uch. zap. KUGU* 131:85-89 '62.
- Hourly changes in body weight and some physiological indices of golden rats investigated in the course of several days. T. S. Olenin. *Trudy Oren. otd. Vses. fiziol. ob-va* no. 3:115-124 '64.
- Relationship between body and brain weights in dogs. G. A. Vaksaleiger, S. S. Medvedev. *Trudy Oren. otd. Vses. fiziol. ob-va* no. 3:60-66 '64.

BOEHMITE

- Formation of boehmite in the hydration of calcium dihydride. M. T. Mal'nik and others. *Zhur. prikl. khim.* 40 no. 4:904-906 Ap '67.

BOGATIN, DAVID IAKOVLEVICH, 1896-

- David Iakovlevich Bogatin on his 70th birthday. *Vest. i ent. i rad.* 12 no. 2:107-108 M₃-Ap '67.

BOGOMOLETS, ALEKSANDR ALEKSANDROVICH, 1881-1946

- Pitsyk, N. E. Bogomolovs, Moskva, Molodala gvardia, 1964, 219 p. (Zhizn' zamechatel'nykh liudei. Seriya biografi, no. 2 (377)) (RBP)

BOGUCHANY DISTRICT—MEDICAL GEOGRAPHY

- Materials for medicogeographical study of Boguchany District of Krasnoyarsk Territory. I. T. Merkachev. *Dokl. po med. geog.* no. 2:65-73 '65.

BOILERMAKING INDUSTRY—MECHANIZATION

- Mechanization of conveyor assembly of boilers. V. I. Zaitsev. *Blud. i tekhn. inform. Gos. nauch. i tekhn. nauch. i tekhn. inform.* 20 no. 4:14 Ap '67.

BOILERS

- Adjustment and operation of automatic regulators of once-through-type boilers. M. M. Lobanov. *Energetik* 15 no. 1:5-8 Ja '67.

BOILERS (Continued)

- Automatic feeding and signaling of the maximum level of water in low-capacity boilers. V. M. Chertkovskiy. Bezop. truda v prom. 10 no. 10-11 O '66.
- Damage to pipes by steam superheaters and economizers of type TP-80 steam boilers. V. G. Kachin, N. M. Balin. Bezop. truda v prom. 10 no. 11-20 Ap '66.
- Effect of a multiple-step system of evaporation in a drum boiler on the dynamics of the level. A. V. Kondashin. Ev. vys. ucheb. zav. energ. 10 no. 3-33-38 M '67.
- Equipping boilers with furnaces designed by the All-Union Heat Engineering Institute. S. V. Patshebov, V. A. Slavinskii. Tekst. prom. 27 no. 17-21 Ap '67.
- Flushing of the blades of back-pressure turbines by steam from wind-off boilers. A. P. Dolgov, G. S. Grishin. Energ. tekhn. 15 no. 4-11-15 Ap '67.
- Gas-fired central-heating-type industrial water heating boilers. I. A. Sigal, E. M. Lavrentsov. Energ. i elek. no. 2-10-12 M '67.
- Improvement of lower front heads of the sections of four-drum Shukhov boilers. A. M. Laputin, A. P. Podkovnikov, I. A. Usviatov. Energ. tekhn. 15 no. 1-15 Ja '67.
- In the technical council of the Ministry of Power Engineering and Electrification of the U.S.S.R. Temporary regulations on the operation of power generating blocks. Energ. tekhn. 15 no. 1-31-36 Ja '67.
- Mathematical model of a 200 Mw. block. M. A. Duelt. Energ. i elek. no. 2-28-31 M '67.
- Operation of 1P-12 boilers with different burner systems. L. P. Kharitonov, G. M. Litvinov, V. A. Filatov. Energ. i elek. no. 2-12-11 M '67.
- Slag flushing systems. G. A. Maralin. Energ. i elek. no. 1-8-10 Ja-F '67.
- Smirnov, G. M. [Assembly of metal elements of a boiler aggregate, shells, dust-gas-air tubes, and ash collectors]. Monografii metalloobrabotki i kottologregulatsii. Moskva, Energiya, 1967. 255 p.
- Study of the hydrodynamics of the heat shields of the PK-31 boiler. I. G. Dashkev, V. P. Norzhalin, B. V. Lutsenko. Energ. i elek. no. 1-11-41 Ja-F '67.
- Studying the circulation of highly saline boiler water in a T-871-75-39F type boiler unit. L. Z. Makinskii, K. M. Abdullaev. Za tekhn. prog. 7 no. 1-14-17 Ja '67.

BOILERS—COLD WEATHER OPERATION

- Features of hydraulics and flushings of the BkZ-270-100G's boilers at temperatures below zero. P. S. Gencharenko. Energ. tekhn. 15 no. 1-11-14 Ap '67.

BOILERS—CORROSION

- Appearance of intensive corrosion in the equipment of chemical feedwater purification systems. S. I. A. Gayk. Energ. tekhn. 15 no. 3-23-26 M '67.

BOILERS—FUEL

- Eslerkin, R. L. [Transfer of industrial boilers to gas fuel]. Pervod promyshlennyykh kotlov na gazoobraznoe toplivo. Pod red. P. N. Kandysh. [Leningrad] Energiya, 1967. 205 p.

BOILERS—MAINTENANCE AND REPAIR

- Modernization of a boiler in the No. 1 thermal electric power plant in Ufim. I. N. Molin, V. L. Alekshandrov. Energ. tekhn. 15 no. 3-10-12 M '67.
- Repair of fissures in the internal surfaces of the drums of high-pressure boilers. G. G. G. G. Energ. tekhn. 15 no. 3-8-9 M '67.
- Repair of fissures in the weld joints of reinforcing ring on the bottom of a drum of a boiler. A. Sh. Gusev. Energ. tekhn. 15 no. 3-9-10 M '67.
- Repair of the drum of a boiler from 16GNM steel. F. P. Semkov, I. K. Duhovoi. Energ. i elek. no. 1-14-16 Ja-F '67.
- System for broaching broken pins. I. N. Novikov. Energ. tekhn. 15 no. 3-32 M '67.

BOILERS—RELIABILITY

- Increasing the reliability of TP-100 TKZ boilers. T. F. Mikhailid. Energ. i elek. no. 2-8-9 M '67.

BOILERS—SAFETY MEASURES

- Conference on the safe operation of objects controlled by the boiler State Inspectorate for Steam Boilers and Heat Installations. V. L. Veksalai. Bezop. truda v prom. 10 no. 10-62 O '66.

BOLIVIA—POLITICS AND GOVERNMENT

- Events in Bolivia. Juan Cobo. Nov. v oim. 25 no. 20-17-18 M '67.

BOLLWORM

- Help given. I. V. Ovodov. Zashch. rast. 12 no. 4-60 '67.

BOLSHEVISM see Communism

BOL'SHEZEMEL'SKAYA TUNDRA—CLAY

- Varved clays of the Pechora River and Bol'shezemel'skaya Tundra. I. D. Danilov. Izv. AN SSSR. Ser. geog. no. 2-65-90 M '67.

BOL'SHOY LUG (IRKUTSK PROVINCE)—LUMBERING—FINANCE

- This was accomplished by the reform. L. Livshits. Mat. tekhn. snab. 2 no. 4-33-36 Ap '67.

BOLTS AND NUTS

- Experimental determination of forces during the cold forging of nuts on the A413 automatic machine. V. I. Golever and others. Kuz. shtam. prozv. 9 no. 3-26-27 M '67.

BOMBING, AERIAL

- Fighter-bombers attack rocket sites. A. Chivkin. Av. kosm. no. 4-43-41 Ap '67.

BONCH-BRUEVICH, VLADIMIR DMITRIYEVICH, 1873-1955

- V. O. Bonch-Bruyevich, Ist. SSSR no. 2-96-101 M '67.

BONE GRAFTING

- Experience in the use of preserved bone transplants in surgical treatment of fractures of the femoral neck. V. V. Shumada. Ortop. travm. i protez. 28 no. 1-13-17 Ap '67.
- Some ways to accelerate the process of transformation of a bone homograft. L. M. Okunev. Biol. eksp. biol. i med. 63 no. 4-89-91 Ap '67.

BONE IMPLEMENTS see subdivision under Kiev

BONE MARROW see Marrow

BONES

- Morphological indicators of strength of skeleton in rabbits. V. A. Poletskii. Trudy Mosk. v. i. akad. 16-64-69 '67.

BONES—DISEASES

- Errors in the diagnosis of pathological reconstruction of bones caused by excessive strain. V. I. Bozhenutsa. Ortop. travm. i protez. 28 no. 4-65-67 Ap '67.

BONES—TUMORS

- Desmoplastic fibroma of the bones. M. M. Pavlova. Arkh. pat. 29 no. 4-67-69 '67.
- New data on giant cell tumor of the bones. L. A. Oleskhal. Mel'nikova, I. N. Oleskhal. Vop. onk. 13 no. 4-106-110 '67.

BONUS SYSTEM

- Bonus is due. A. Nikolaev. Sov. profsoyuz. 23 no. 5-11 M '67.
- For those who introduce scientific labor organization. I. U. Peli. Sov. profsoyuz. 23 no. 6-14-15 M '67.
- For workers of enterprises on practice in changing over to the new system of planning and economic incentives. Sots. i ind. 12 no. 5-147-153 M '67.
- Incentive awards for the best organization of labor. V. Vasil'eva. Sots. i ind. 12 no. 5-50-53 M '67.
- Material incentives in supply and sale organizations. N. Chirko. Mat. tekhn. snab. 2 no. 1-50-53 Ap '67.
- New developments in awarding bonuses to workers employed in topographical surveying enterprises and organizations. Consultation. I. I. Denchikov, I. P. Egorov. Geod. i kart. no. 3-10-71 M '67.
- Reducing production costs and the economic incentive. N. Strel'tsov. Mash. i elek. prom. 33 no. 3-13-13 M '67.
- Regularizing bonus payments for well testing by formation testers. P. S. Lapshin, V. V. Lodyshala. Organ. i upr. nefteob. prom. no. 1-130-11 '68.
- Results of introducing new wage terms for drilling foremen. A. A. Dragin, S. M. Koryev, I. M. Kuntin. Organ. i upr. nefteob. prom. no. 2-13-16 '66.
- Ways to improve forms and systems of wages in petroleum industry. A. F. Lysak. Ruzh. i nef. i gaz. mest. no. 1-62-64 '65.

BOOK INDUSTRIES

- (see also subdivision under Ukraine)
- How we prepare for the great holiday. Knizh. i org. 18 no. 4-7-9 Ap '67.

BOOKS—REVIEWS

- Books as gifts. A. Mironova. Knizh. i org. 18 no. 1-32-33 Ap '67.

BOOKS AND READING

- About the key to a library and the art of asking questions. A. Boissou. Mol. komm. no. 4-87-92 '67.
- Uikov, V. G. [Books and destinies; sketches]. Knigi i sud'by; ocherki. [Moskva, Kniga, 1967] 106 p.

BOOKS AND READING FOR CHILDREN

- Children's literature. V. Osipov. Knizh. i org. 18 no. 4-12-44 Ap '67.
- Role of children's books in the development of emotions. L. Rubashkina. Doshk. vosp. 40 no. 4-35-57 '67.

BOOKSELLERS AND BOOKSELLING

- (see also subdivision under Crimen; Georgia; Kazakhstan; Kirov Province; Novosibirsk; Altai Territory; Tambov Province; Ulyanovsk Province; Uzbekistan; Zhukovskiy, Moscow Province)
- Buying up books is profitable. M. Lukin. Knizh. i org. 18 no. 4-20-21 Ap '67.
- How we prepare for the great holiday. Knizh. i org. 18 no. 4-7-9 Ap '67.
- Ukrainian bookseller prepare for the anniversary. V. Borisenko. Knizh. i org. 18 no. 4-9-11 Ap '67.
- Who is ahead? Knizh. i org. 18 no. 4-45 Ap '67.
- Work, specialists, and wages. A. Kuznetsov. Knizh. i org. 18 no. 4-38-41 Ap '67.

BOOKSTORES

- (see also subdivision under Kiev)
- For the people. A. Suchkov. Knizh. i org. 18 no. 4-36 Ap '67.

BOOTS AND SHOES

- Anthropometric data for establishing norms of the planned all-Union standards for lasts in the metric system. O. V. Farnieva and others. Nauch. i issl. trudy UkrNIIP no. 15-100-110 '65.

- Designing of the last part of lasts and metallic toes for special work shoes. I. A. Babayev and others. Nauch. i issl. trudy UkrNIIP no. 15-186-195 '65.

- Precision in the production of wooden and plastic lasts. V. I. Poglovskii, V. P. Skvayik. Nauch. i issl. trudy UkrNIIP no. 15-178-186 '65.

- Trend of the shoe (fashions for 1968). V. H. Dembskiy, F. M. Rafichev. Lekh. prom. 8 no. 2-21-24 M '67.

BOOTS AND SHOES—TESTING

- Methodology for determining the elasticity of shoes. F. S. Ovchikis, A. I. Tsipinuk. Nauch. i issl. trudy UkrNIIP no. 15-127-140 '65.

BORA see subdivision under Krasnodar Territory

BORAZINE

- Synthesis of fluorine-containing borazanes and borazenes. V. A. Spiridon and others. Izv. AN SSSR. Ser. khim. no. 1-487-491 M '67.

BORDER PATROLS

- At the very edge of the earth. E. Volkov, E. Doloi, Mol. komm. no. 2-20-31 '67.
- Vigilance and skill; an article dedicated to the Day of Border Patrols. A. Stenin. Agitator 31 no. 8-20-30 Ap '67.

BORINE

- Thermogravimetric study of compounds with B-P bonds. N. T. Kuznetsov. Izv. AN SSSR. Neorg. mal. 3 no. 1-177-179 Ja '67.

BORING

- Business of air during the boring of holes with ordinary and multiple-cushion drills. A. I. Sachkov, I. V. Altugulov. Bezop. truda v prom. 10 no. 10-12-11 O '66.

- Gagulin, M. V. [Modern methods and technology of drilling blastholes in underground ore breaking]. Sovremennyye sposoby i tekhnologiya bureniya v zryvnykh skvazhin pri podzemnoi obboke iud. Moskva, Nauka, 1967. 144 p.

- Mechanical self-regulation of parameters of the boring process. P. M. Alabuzhev, I. V. Rodionov, T. K. Beloborodov. Mekh. mash. no. 1-2-31-60 '66.

- Nauchno-tekhnicheskoe soveshchaniye po burovoi vyvazhivani. Dnepropetrovsk, 1965. [Summary of reports and communications of the Scientific and Technological Conference on Borehole Drilling]. Terisy dokladov i soobshchenii. Moskva, Sbornik 1-4. 1965. 4 v.

- Reducing air dustiness during borehole drilling with cut-through drills. I. P. Petrov and others. Vop. bezop. v ugol' shakht. 7-185-189 '66.

- Reducing hole diameter for marking points. M. S. Usupskii. Geod. i kart. no. 3-11-12 M '67.

BORING—COSTS

- Reducing working parameters of B5Sh-2m and SDSH-200 roller bit drills. V. G. Gapelluk. Geol. iuzh. 142 no. 3-35-38 M '67.

BORING—SAFETY MEASURES see subdivision under Khlibny Mountains

BORING MACHINERY

- Books of increased dependability. A. A. Platko. Bezop. truda v prom. 11 no. 5-10-50 M '67.
- Minimal cutoff length of a boring cable in the inspection of electric drills. A. G. Rezdenezhnykh. Bezop. truda v prom. 11 no. 3-16 M '67.
- The Ural-64 boring machine. V. A. Zimin and others. Stroitel. dor. mash. 12 no. 4-4-5 Ap '67.

BORING MACHINERY—DESIGN AND CONSTRUCTION (see also subdivision under Gay region, Orenburg Province)

- An drill. V. D. Petukhov. Geol. zhur. 142 no. 3-75-78 M '67.
- B-15e drills. L. L. Radzivilovich, V. E. Tarasenko. Mash. i obr. dila mekh. i avtomatiz. trud. prots. v ugol' no. 3-31-36 '66.
- Prospects for using magnetostrictive drills in mining industry. V. O. Mal'chanok, K. I. Ivanov. Geol. zhur. 142 no. 3-42-45 M '67.

- Radio wave equipment on boring machines for controlling hidden boundaries of coal and rocks. A. A. Ivanov, G. R. Novak, I. A. Brazhnikov. Ugol' Ukr. 11 no. 1-27-28 Ja '67.

- Unified B-1u boring rigs. V. E. Tarasenko, A. I. Ignat'ev, M. G. Pastermak. Mash. i obr. dila mekh. i avtomatiz. trud. prots. v ugol' no. 3-36-10 '66.

BORING MACHINERY—ELECTRIC DRIVING

- Efficient use of free and forced feed in hole boring with mounted electric drills. E. I. Aychenko, V. L. Lazev. Ugol' Ukr. 11 no. 2-32-33 F '67.

BORING MACHINERY—TRANSMISSION DEVICES

- Calculation of the transmission ratio of a boring hoisting mechanism. A. A. Saidov, P. F. Kvokov. Za tekhn. prog. 7 no. 3-24-26 M '67.

BORISPOL' (KIEV PROVINCE)—SCYTHIAN ANTIQUITIES

- A Scythian necropolis near the city of Borispol'. E. V. Lakovenko. Arkheologia 10-150-160 '65.

1894

- BREAST—DISEASES**
Fedorovskii, A. A., and I. M. Starovoiilov. [Treatment of lactation mastitis] Lechenie laktatsionnykh mastitov. Kiev, Zdorov'ia, 1967. 158 p. (Biblioteka prakticheskogo vracha) (DNLS)
- BREAST—TUMORS**
Cystadenopapilloma of the breast. V. I. Kolodn. Vop. onk. 13 no. 3 52-58 '67.
- BREMSSTRAHLUNG**
Distribution curves of the absorbed energy of bremsstrahlung. S. P. Kruglov, I. V. Lopatin. Med. rad. 12 no. 1 85 Ap '67.
Double bremsstrahlung in the electron-electron scattering at an energy up to 2 x 100 Mev. P. I. Golubnichii and others. Atom. energ. 22 no. 3 168-173 M '67.
Possible polarization of the Roentgen bremsstrahlung from solar flares. A. A. Korchak. Dokl. AN SSSR 173 no. 2 291-291 M '67.
- BREWERIES** see subdivision under Taitu
- BREWING**
Study of the process of cold treatment of beer wort. T. K. Ichediuk. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 76-78 '67.
Use of green malt in brewing. TS. TS. Dzizina, A. M. Kalashnikova. Izv. i spets. prom. 33 no. 3 19-22 '67.
- BREWING INDUSTRY**
Ways of developing the production of malt in the brewing industry. O. V. Vasilenko. Izv. i spets. prom. 33 no. 3 29-31 '67.
- BRIBERY**
Problems of criminal responsibility for bribery. B. Vorzhenin. Sov. iust. 31 no. 7 9-10 Ap '67.
- BRICK WALLS**
Repairing brick walls damaged by ammonium nitrate. E. B. Emel'yanova, V. F. Matchina. Khim. prom. 43 no. 2 74-75 '67.
- BRIDGE CIRCUITS**
Analysis of an inverse firing process in a loaded bridge-type converter. M. A. Slonim. Izv. NIIPI no. 12 228-237 '66.
Relationships between currents and voltages in a three-phase bridge rectifier circuit. IU. V. Smirnov. Izv. vuz. ucheb. zav. energ. 10 no. 1 29-34 Ap '67.
Two-step electronic commutation in a single-phase bridge rectifier circuit. B. A. Mitelkin. Elektr. tekhnika 38 no. 1 32-35 M '67.
Use of optimizing control techniques in balancing a c. bridge circuits. M. A. Akhmediev, IU. V. Troitskii. Avtomatika no. 1 100-102 Ja-F '67.
- BRIDGES, SUSPENSION**
Some problems affecting the seismic stability of suspension bridges. A. N. Rozmadec. Izv. GIP [Gruz.] no. 2 231-237 '64.
- BRILLIANT GREEN—ELECTROMAGNETIC PROPERTIES**
Changes in the electric and magnetic properties of polycrystalline samples of brilliant green during the passage of electric current. L. S. Lashchenko, L. A. Blumentfeld. Elektr. tekhnika 38 no. 2 208-211 '67.
- BRINES—ANALYSIS** see subdivision under Slavic
- BRICKETS—DENSITY**
Compressibility of KhIMIS stainless steel powder. V. K. Sonobin. Izv. vys. ucheb. zav., chem. met. 10 no. 4 81-86 '67.
- BRICKETS (FUEL)**
The BPD-3 two-stamp briquetting press. V. G. Golobov, S. V. Samodurov. Mekh. i avtom. prom. 21 no. 4 25-26 '67.
Yield efficiency of peat briquet production. G. B. Pokelina, I. A. S. Opman. Trof. prom. 44 no. 2 18-20 '67.
- BRISTLES**
New technology for the processing of bristles. O. S. Babychenko. Leh. prom. 8 no. 2 45-46 Mr-Apr '67.
- BROACHING**
Investigating the process of chip formation in small-dimensional broaching. A. M. Rozenberg, O. A. Rozenberg. Stan. i inst. 38 no. 4 25-27 Ap '67.
- BROACHING MACHINES**
Milling and broaching machines. S. S. Chernikov. Stan. i inst. 38 no. 5 22-27 M '67.
- BROMEGRASS—WATER REQUIREMENTS**
Characteristics of shoot morphogenesis in Bromus inermis as related to soil moisture. T. S. Chibrik, M. S. Babets. Zap. Sverd. d. VBO no. 4 166-172 '66.
- BROMIDES**
Bromide complexes of tetravalent tellurium. G. G. Shitaieva, V. A. Nazarenko. Zhur. neorg. khim. 12 no. 1 99-1005 Ap '67.
- BROMIDES—SPECTRA**
Intermolecular reactions in bromine and hydrogen bromide at 80° K. E. I. Iakovenko, G. B. Sergeev, G. P. Katinina. Dokl. AN SSSR 173 no. 3 626-629 M '67.
- BROMINATION**
Bromination of 2,2'- and 3,3'-dipyridyls. IU. V. Kurbatov and others. Nauch. trudy TashGU no. 286 Khim. nauki no. 16 92-94 '66.
- BROMINE**
Studying the desorption of bromine from natural brine in the apparatus with the fluidized bed of a spherical packing. N. I. Gel'perin, V. I. Savchenko, V. Z. Grishko. Khim. prom. 43 no. 5 52-53 M '67.
Water of main rivers in Soviet Union containing bromine and iodide. T. Kh. Kolesnikova, G. S. Kononov. Gidrokhim. mat. 12 76-81 '66.
- BRONCHI**
Division of the bronchi and their nomenclature. T. I. Goldshevskii. Zhur. ash., nos. i gorl. bol. 20 no. 2 31-36 M-Apr '60.
- BRONCHI—FOREIGN BODIES**
Calculation of the bronchi. M. D. Androsov. Zhur. ash., nos. i gorl. bol. 20 no. 2 77-78 Mr-Apr '60.
Methods for removing foreign bodies from the bronchi. A. I. Shatov. Zhur. ash., nos. i gorl. bol. 20 no. 2 84-85 M-Apr '60.
Removal of foreign bodies from the bronchi under X-ray control. B. A. Shaparenko. Zhur. ash., nos. i gorl. bol. 20 no. 2 76-77 Mr-Apr '60.
- BRONCHI—RADIOGRAPHY**
Bronchial mucous glands in X-ray image. I. S. Rozen-shchukin, N. V. Zubchuk, A. V. Pogostan. Vest. rent. i rad. 12 no. 2 41-48 M-Apr '67.
Removal of foreign bodies from the bronchi under X-ray control. B. A. Shaparenko. Zhur. ash., nos. i gorl. bol. 20 no. 2 76-77 Mr-Apr '60.
Results of using iodocaine in bronchography. B. N. Baidulin, G. I. Rubanovich. Vest. rent. i rad. 12 no. 2 89-90 M-Apr '67.
Some problems of the methodology of bronchography in children. I. P. Alukhin. Vest. rent. i rad. 12 no. 2 93-95 M-Apr '67.
Technique and methodology of bronchography under intubation anesthesia. A. O. Likhtenshtein, D. B. Akceev, R. A. Ilyukinskaya. Vest. rent. i rad. 12 no. 2 90-93 Mr-Apr '67.
- BRONCHI—TUMORS**
Papillomas of the bronchus. S. D. Pletnev. Vop. onk. 13 no. 4 72-78 '67.
- BRONCHIOECLE** see Golke
- BRONCHOSCOPY**
Iampol'skai, V. D., and N. I. Kluramovich. [Anglo- and bronchography in tuberculosis and some other lung diseases] Anglo- i bronkhografiia pri tuberkuleze i nekotorykh drugikh zabolevaniyakh legkikh. Moskva, Meditsina, 1967. 436 p. (DNLS)
- BRONZE AGE** see subdivision under Dnieper Valley, Kara-Kalpak A. S. S. R.
- BROOK, PETER**
A play on Vietnam by Peter Brook. I. Koval'ev. Teatr. 28 no. 3 113-115 M '67.
- BRUCELOSIS**
Current clinical aspects of brucellosis. T. Kh. Nadrzholdinov. Sov. med. 27 no. 8 65-68 Ag '65.
Psychotherapy under asthenic conditions caused by brucellosis. V. I. Boldyrev. Sov. med. 27 no. 8 126-130 Ag '65.
- BRUCELOSIS IN CATTLE**
Diagnostic effectiveness of complement fixation reaction and ring reaction in inspecting cow milk for brucellosis. N. P. Ivanov. Vest. sel'khoz. nauki [Kazakh.] 10 no. 3: 73-76 Mr '67.
- BRUCIDAE** see subdivision under Ukraine
- BRUSILOVSKII, MIKHAIL SHAEVICH, 1931-**
Important quests. N. Chosenkov. Iskusstvo 30 no. 3: 22-26 '67.
- BRYANSK—CRIME PREVENTION**
Public participation in crime prevention. A. Radontsev. Sots. zakon, no. 3 59-60 Mr '67.
- BRYANSK—EMPLOYEES, DISMISSAL OF**
On the agenda is a problem of dismissal. A. Vladimirov. Sov. profsoyuzy 23 no. 7 24-25 Ap '67.
- BRYANSK PROVINCE—LIBRARIES AND READERS**
Every one's property. A. Gurina. Bibliotekar' 11 no. 4 42 Ap '67.
- BRYANSK PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
Kupchik, G. S. [The conscience is calling; notes of a commissar] Sovest' zovet; zapiski komissara. Moskva, Sov. Rossiia, 1966. 338 p. (Rasskazy byvalykh liudoi)
- Parlov, V. V. [Brigade of the "thrice destroyed"] Brigada "trizhdy unichtozhennykh" Moskva, Politizdat, 1967. 190 p.
- BUBBLE CHAMBER**
Maly, M., and I. Skryl'. [Markings on bubble chamber photographs] Sluzhebnaya markirovka na slikunkakh s puz'lykovykh kamer. [Dubna, 1967] 14 p.
Relativistic increase and plateau of track density in bubble chambers. L. P. Kotenko, G. I. Meizon, V. A. Chechin. Izd. fiz. 5 no. 1 815-824 Ap '67.
- BUBBLES**
Dependence of the form of surface bubbles (drops) on their size. I. I. Noms, V. I. Tokmakov, I. S. Chigareva. Izv. AN SSSR, Energ. i transport, no. 2 146-149 Mr-Apr '67.
- BUCKWHEAT**
(see also subdivision under Dnepropetrovsk Province, Kursk Province)
Buckwheat as a stubble crop. D. Kalinchenko. Zerk. i masl. prod. 2 no. 5 22 '67.
Effect of cobalt on chlorophyll accumulation, photosynthesis intensity, and yield of buckwheat. R. M. Semina. Nauch. dokl. vye. shkoly, biol. nauki 10 no. 3: 80-83 '67.
- BUCKWHEAT—BIBLIOGRAPHY** see Bibliography—Buckwheat
- BUDGET**
(see also subdivision under Baku)
From recollections. S. Golovanov. Fin. SSSR 11 no. 1: 37-41 Ap '67.
[On the State Budget of the R. S. F. S. R. for 1967 and the carrying out of the State Budget of the R. S. F. S. R. for 1966, a report and closing address by I. I. Fadeev, Deputy Minister of Finance of the R. S. F. S. R. at the 6th session of the 6th Supreme Soviet of the R. S. F. S. R., December 22-23, 1966. The law of the Russian Soviet Federative Socialist Republic on the State Budget of the Russian Soviet Federative Socialist Republic for 1967] O gosudarstvennom budzhet RSFSR na 1967 god i ob ispolnenii posuda stvennogo budzhet RSFSR za 1966 1965 god, doklad i zaklyucheniye slovo Ministra finansov RSFSR deputata Fadeeva I. I. na vos'moi sessii Verkhovnogo Soveta RSFSR sheshtogo sozyva 22 i 23 dekabrnia 1966 goda. Zakon Rossiiskoi Sovetskoi Federalnoi Sotsialisticheskoi Respubliki o gosudarstvennom budzhet Rossiiskoi Sovetskoi Federalnoi Sotsialisticheskoi Respubliki na 1967 god. Moskva, Finansy, 1967. 38 p.
- BUILDING**
Multistoried walling composition foundations built from interlocking blocks. D. M. Mykhailov, R. K. Tkachenko. Izv. GIP [Gruz.] no. 2 209-215 '61.
Semenov, V. M. [Nature teaches to build] Priroda uchit stroit'. Moskva, 1966. 30 p. (Lektury o biologii)
- BUILDING—COLD WEATHER CONDITIONS**
Vladimirov, A. P., and E. Yu. Brailina. [Unloading and heating rock products to be used in construction in the winterline] Vygruzka i podogrev nerudnykh stroitel'nykh materialov v zimnikh usloviyakh. Izd. 2., perer. i dop. Moskva, Stroizdat, 1967. 155 p.
- BUILDING—COMMUNICATION SYSTEMS**
Aspirations of the building industry workers and present-day conditions. S. Blokin. Radio no. 4 19 Ap '67.
- BUILDING—ESTIMATES**
Efremov, S. A., and S. M. Reimn. [Estimates for capital construction] Smetya na kapital'noe stroitel'stvo. 2. Izd. dop. i perer. Moskva, Stroizdat, 1966. 374 p.
- BUILDING—LABOR PRODUCTIVITY**
Measuring the productivity of labor in construction. A. S. Tushchikh. Izv. GIP [Gruz.] no. 2 3-7 '61.
- BUILDING—QUALITY CONTROL**
Litvinov, I. M. [Apparatus for rapid determination of basic physical characteristics of soils in quality control of earthwork operations; report] Pribor dlia uskoren-nogo opredeleniia osnovnykh fizicheskikh kharakteristik gruntov pri kontrole za kachestvom proizvodstva zemli-nykh rabot, nauchnoe soobshchenie. Kiev, Izd-vo arkhit. Ukrainskoi SSR, 1964. 26 p.
Organize quality control of individual operations in construction. A. I. Iabinskii. Na stroitel'stvo 5 no. 1: 23 Ja '64.
- BUILDING AND LOAD ASSOCIATIONS**
Decision No. 5 of the plenary session of the Supreme Court of the U. S. S. R. Sov. iust. 31 no. 8 30-31 Ap '67.
- BUILDING LAWS** see subdivision under Ukraine
- BUILDING MACHINERY** see Construction equipment
- BUILDING MATERIALS**
Improving the financial and managerial operations of specialized organizations. A. Golub. Mat. i tekhn. snab. 2 no. 4 41-44 Ap '67.
- BUILDING MATERIALS INDUSTRY** see subdivision under Kazakhstan; Siberia, Western

- BUTYL PHOSPHATES (Continued)**
- Proton magnetic resonance spectra of HF solutions in tributyl phosphate. IU, I. Kol'tsov, V. V. IAshtebov, S. S. Kuvshinov Zhur. neorg. khim. 12 no. 3:725-728 Mr '67
- System cerium (IV) nitrate - HNO_3 - H_2O - $(\text{C}_4\text{H}_9\text{O})_3\text{PO}$ at 25°C. A. V. Nikolov, A. I. Rabinovich, R. A. Afanas'ev Zhur. neorg. khim. 12 no. 1:1019-1021 Ap '67
- BUTYRALDEHYDE**
- Phase equilibria in the system butyric (isobutyric) aldehyde - carbon monoxide - hydrogen, D. S. TSiklits, V. I. Maslennikova, N. P. Gornunova Khim. prom. 43 no. 2:30-32 F '67
- BUTYRIC ACID**
- Preparation of β -(3-N-acetylaminoethyl) butyric acid, an intermediate product in the synthesis of β -(1-aminocyclohexyl) butyric acid. I. D. Pletneva, I. V. Shklyants, R. S. Muzomova Zhur. prikl. khim. 10 no. 4:933-935 Ap '67
- BYURAKAN OBSERVATORY**
- Astrophysical observatory in Byurakan. P. G. Khachikian Zem. i vesl. no. 2:59-67 Mr-Apr '67
- BYZANTINE EMPIRE**
- [History of Byzantium in three volumes] Istoriia Vizantijskoi imperii, Red. kollegiia: S. D. Skazkin et al., Moskva, Nauka, Vol. 2, 1967, 470 p.
- CABBAGE**
- Nucleic acids of cabbage. N. N. Mel'nikova, E. N. Lazarev, V. G. Pavlova, Izv. vys. ucheb. zav. prikl. tekhn. no. 2:44-46 '67.
- CABBAGE—FERTILIZERS AND MANURES**
- Comparative effectiveness of various forms of phosphorus fertilizers for vegetables, M. G. Shokhov, Agrokhim. no. 1:31-37 Ap '67.
- CABBAGE—STORAGE**
- Storage of potatoes and cabbage using mechanical ventilation, N. V. Saburov, L. P. Khukhlov, IU V Volosov, Izv. FSKH no. 1:110-124 '66.
- CABBAGEWORMS**
- Guide for determining genus *Gonepteryx* Lench (1815) (Lepidoptera, Pieridae) species by using hidden wing pattern. IU P. Nekulenko, Dop. AN URSR, Ser. B 20 no. 3:263-265 Mr '67
- CABLE INDUSTRY—HYGIENIC ASPECTS** see subdivision under Turkmenistan
- CABLES**
- Vulcanizing of cables, I. M. Makarenko, Vest. protivnavorozh. oboi. no. 3:81 Mr '67.
- CABLES—TRANSPORTATION**
- Unit for transportation of KIRK cable, G. N. Ivanov, Mash. i elekt. oboi. no. 2:44-46 '67.
- CABLEWAYS**
- Automated cableway for the transportation of stomach contents, A. Sviridov, Mins. ind. SSSR 30 no. 4:21-25 Ap '67.
- CACALIA—DISEASES AND PESTS** see subdivision under Maritime Territory
- CADDE FLIES**
- (see also subdivision under Baikal Lake region; Sevan Lake region)
- Cadence of caddis fly larvae, Report No. 1, Silk glands, S. N. Kuchala, Izv. Inst. biol. i med. vuzov, no. 12:207-201 '66
- CADMIUM ALLOYS, EFFECT OF TEMPERATURE ON**
- Temperature effect in two-phase alloys, V. A. Likhachev, G. V. Vladimirova, G. A. Mal'gyn, Fiz. metal. i metalloved. 23 no. 4:747-748 Ap '67.
- CADMIUM-BISMUTH ALLOYS** see Bismuth-cadmium alloys
- CADMIUM COMPOUNDS—SPECTRA**
- Optical phenomena in β - CdSnAs_2 , E. L. Karaseva and others, Fiz. i tekhn. poluprov. 7 no. 2:276-280 F '67.
- Reflection spectra of CdSnAs_2 , G. A. Sikharulidze and others, Fiz. i tekhn. poluprov. 1 no. 2:309-311 F '67.
- CADMIUM FLUORIDE**
- Discovery of Ti^{2+} ions in CaF_2 , M. M. Zaripov and others, Fiz. i tekhn. poluprov. 9 no. 1:1265-1266 Ap '67
- CADMIUM HALIDES**
- Conductance, density, and viscosity of cadmium iodide and bromide in methanol, N. P. Likhacheva, Trudy Tbil. GU 74:85-91 '59.
- CADMIUM PLATING**
- Improving the technology of electrolytic cadmium plating, B. Sh. Shleinberg, Tekhn. org. prot. v. no. 2:77-78 Mr-Apr '67.
- Kinetics of the cathodic separation of cadmium from solutions with complexons. Report No. 2. Electrolytic separation of cadmium from electrolytes with Trilon B, M. A. Loshkarev, L. I. Gromik, Khim. tekhn. no. 4:14-20 '66.
- CADMIUM SELENIDE CRYSTALS**
- Conditions for the formation of negative photoconductivity in cadmium selenide single crystals, G. G. Chermak, V. V. Serdunskiy, Izv. AN SSSR, Neorg. mat. 3 no. 3:389-393 Mr '67
- Nature of the barrier-layer photoeffect in cadmium selenide, V. N. Komashenko, G. A. Fedorov, Fiz. i tekhn. poluprov. 1 no. 1:495-500 Ap '67.
- CADMIUM SULFIDE—ELECTRIC PROPERTIES**
- Effect of the thermal treatment of cadmium sulfide powder in sulfur and cadmium vapor on its electric conductivity, D. Teas, B. G. Ormont, Izv. AN SSSR, Neorg. mat. 3 no. 1:167-168 Ja '67.
- CADMIUM SULFIDE, EFFECT OF TEMPERATURE ON**
- Rate of cadmium sulfide vaporization of 1000°-1400° C, S. M. Kozhakhmetov and others, Izv. AN SSSR, Met. no. 2:59-63 Mr-Apr '67.
- CADMIUM SULFIDE CRYSTALS**
- Crystallographic anisotropy of the electric properties of CdS films, F. I. Vergunov, B. I. Sedunov, S. Abdiev, Fiz. i tekhn. poluprov. 1 no. 2:272-275 F '67
- CADMIUM SULFIDE CRYSTALS—ELECTRIC PROPERTIES**
- Formation of a charge in CdS crystals due to the applied voltage, A. S. Gershan, B. L. Timan, Fiz. i tekhn. poluprov. 9 no. 3:935-936 Mr '67.
- Regularity of an unsteady current in the system metal-dielectric-metal, A. S. Gershan, B. L. Timan, Dokl. AN SSSR 173 no. 2:310-311 Mr '67
- CADMIUM SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES**
- Effect of traps on ultrasound amplification in cadmium sulfide, G. G. Krasnoludov, A. I. Murozov, B. A. Stankovskii, Fiz. i tekhn. poluprov. 9 no. 1:859-863 Mr '67
- Threshold sensitivity of CdS photoresistances, N. B. Luk'ianchikova, M. K. Shelnkman, Fiz. i tekhn. poluprov. 1 no. 3:345-352 Mr '67.
- CADMIUM SULFIDE CRYSTALS, EFFECT OF RADIATION ON**
- Measuring the temperature dependence of the mobility of carriers produced by X-rays in CdS single crystals, N. E. Kozhanskaya, S. V. Svachnikov, V. G. Chalata, Fiz. i tekhn. poluprov. 1 no. 4:488-490 Ap '67.
- Radiation stimulated diffusion in cadmium sulfide, S. V. Stukobitsky, O. R. Nizozova, M. A. Kaneev, Fiz. i tekhn. poluprov. 9 no. 3:872-874 Mr '67.
- CADMIUM SULFIDE CRYSTALS, EFFECT OF TEMPERATURE ON**
- Effect of temperature on the kinetics of gamma-conductivity of cadmium sulfide, P. G. Litovchenko, I. B. Kononenko, V. I. Ust'ianov, Fiz. i tekhn. poluprov. 1 no. 4:401-404 Ap '67.
- CADMIUM TELLURIDE CRYSTALS**
- Studying concentration dependence of electron paramagnetic resonance of Mn^{2+} in CdTe single crystals, M. F. Deigen and others, Fiz. i tekhn. poluprov. 8 no. 1:883-886 Ap '67.
- CADMIUM TELLURIDES**
- Relaxation of anomalously high photovoltages in cadmium telluride films, E. I. Adirovich, N. Shakhrov, Dokl. AN SSSR 173 no. 2:280-301 Mr '67.
- CADMIUM TELLURIDES—PHOTOELECTRIC PROPERTIES**
- Irradiation of thin layers of CdTe by cadmium ions, L. S. Smirnov, G. A. Kachurina, A. F. Gorodetskiy, Fiz. i tekhn. poluprov. 9 no. 3:719-722 Mr '67.
- CADMIUM TELLURIDES—SPECTRA**
- Temperature dependence of induced radiation from CdTe in the case of electron excitation, V. S. Vavilov and others, Fiz. i tekhn. poluprov. 9 no. 3:812-845 Mr '67.
- CAISSON DISEASE** see Decompression sickness
- CALANOIDA** see subdivision under Antarctic regions
- CALCITE**
- Reservoir properties of rocks in relation to boundary of stability of calcite, N. A. Minakir, M. K. Kalitko, Dokl. AN SSSR 173 no. 5:1181-1184 Ap '67.
- CALCIUM**
- Effect of calcium and magnesium cations on the viscosity of the paste of potato starch, A. F. Bologurova, B. A. Veksler, A. B. Luk'ianov, Izv. vys. ucheb. zav. prikl. tekhn. no. 2:30-32 '67.
- CALCIUM—EFFECT ON PLANTS** see Plants, Effect of calcium on
- CALCIUM—PHYSIOLOGICAL EFFECT**
- Calcium assimilation by *Gammarus* (R.) balcanicus Schaf. directly from water, I. A. Zubchenko, Gidrobiol. zhur. 3 no. 2:68-71 '67.
- Effect of calcium and magnesium on dendritic potentials, A. I. Rolbak, T. N. Ontani, Fiziol. zhur. 63 no. 3:251-259 Mr '67.
- CALCIUM ALUMINATES**
- Formation of boehmite in the hydration of calcium dihydroxide, M. T. Mel'nik and others, Zhur. prikl. khim. 10 no. 4:901-906 Ap '67
- CALCIUM CARBONATE**
- Double salt formed on heating calcium carbonate with sodium fluoride, I. G. Lugina, Zhur. VKHO 12 no. 2:239-240 '67.
- CALCIUM CHLORIDE**
- Effect of the addition of CaCl_2 on the relative volatility of components of the HCl - H_2O system, O. V. Tyshchinskaya, I. M. Grinshteyn, Sb. i. trud. NIIS 15:211-220 '66.
- CALCIUM CHLORIDE—PHYSIOLOGICAL EFFECT**
- Effect of calcium chloride on blood coagulation, I. N. Naval, V. M. Adirova, Farm. i toks. 10 no. 2:192-195 Mr-Apr '67.
- CALCIUM CHROMATES**
- Interaction between calcium ferrites and chromites, P. D. Platkov, Zhur. prikl. khim. 31 no. 4:766-770 Ap '61.
- CALCIUM FERRATES**
- Interaction between calcium ferrites and chromites, P. D. Platkov, Zhur. prikl. khim. 31 no. 1:766-770 Ap '61.
- CALCIUM FLUORIDE CRYSTALS**
- Study of the nature of fracture of some crystals depending on the crystallographic direction and the processing method, A. V. Netchay, A. V. Golomeev, Opt. i mekh. prom. 34 no. 1:11-46 Ap '67.
- CALCIUM HYDROXIDE**
- Effect of calcium hydroxide on structure formation of clay suspensions, F. D. Ovcharenko, P. G. Agabek'tants, V. I. Babichenko, Ukr. khim. zhur. 33 no. 1:377-379 '67.
- CALCIUM-LEAD ALLOYS** see Lead-calcium alloys
- CALCIUM MOLYBDATE**
- Preparation and study of some properties of calcium aquapoly-molybdates, M. V. Mikhosov, Z. E. Datsua, V. I. Kivobok, Izv. AN SSSR, Neorg. mat. 3 no. 1:133-137 Ja '67.
- CALCIUM NITRATE**
- System $\text{Ca}(\text{NO}_3)_2$ - $\text{Ca}(\text{NO}_3)_2$ - H_2O , A. G. Beigman, M. V. Mal'kina, Zhur. neorg. khim. 12 no. 3:801-804 Mr '67.
- CALCIUM SILICATES**
- Effect of the additions on the crystal chemical stabilization of diatomic silicate as dependent on the location of the addition cations in the periodic table, V. A. Bron, I. B. Kheishevich, Zhur. prikl. khim. 31 no. 4:750-756 Ap '61.
- Particular features of crystallization of calcium hydroxide in the presence of gypsum and aluminum oxide, P. P. Badnikov, L. A. Krolechuk, B. M. Vinogradov, Dokl. AN SSSR 173 no. 3:630-633 Mr '67.
- CALCIUM SULFATE**
- Modification of semihydrate gypsum, V. A. Zolotov, Izv. AN SSSR, Neorg. mat. 3 no. 4:740 Ap '67.
- CALCIUM SULFATE—SOLUBILITY**
- Solubility of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ in solutions of H_2SO_4 at 25°C, A. B. Zolotarevskiy, G. A. Vlasov, Zhur. neorg. khim. 12 no. 1:101-102 Ap '67.
- CALCULI**
- Calculus of the bladder, M. D. Androsov, Zhur. urol., nos. i g. i. bol. 20 no. 2:77-78 Mr-Apr '60.
- CALCULI, URINARY**
- (see also subdivision under Uzbekistan)
- Case of a calculus in a dystopic kidney with a rare anomaly in the pelvis, I. S. Filin, Urologia 25 no. 3:63-61 My-Je '60.
- Importance of the location of renal calyces in the formation of stones, N. S. Butashvili, Urologia 25 no. 3:40-45 My-Je '60.
- Large-photograph fluorography in the diagnosis of urolithiasis, I. G. Guech, Vest. rent. i rad. 12 no. 2:80-84 Mr-Apr '67
- Resection of a kidney in nephrolithiasis, I. A. Shain, Urologia 25 no. 3:64-65 My-Je '60.
- Ultrasonic lithotripsy, experimental study, IU, G. Edinyi, O. G. Balayev, Urologia 25 no. 3:45-52 My-Je '60.
- CALCULUS**
- Tarasov, N. P. [A course of higher mathematics for technicians] Kurs vysshei matematiki dlia tekhnitsunov. Izd. 13., stereotipnoe, Moskva, Nauka, 1967, 448 p.
- CALCULUS OF TENSORS**
- Calculating tensor values with the aid of electronic digital computers, I. I. Smyslov, Fiz. i tekhn. poluprov. 9 no. 4:1017-1049 Ap '67.
- Extension of Gauss theorem on arbitrary orthogonal coordinates, L. G. Filippenko, Prikl. mekh. 9 no. 4:70-78 Ap '67.

... ..
... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

Some characteristics of disorders of the dynamic stability of the biophysical properties of the blood in patients with radiation neoplasms. V. K. Kuch. Vop. eksp. onk. no. 2 238-244 '66.

Use of infrared spectroscopy for the diagnosis of malignant neoplasms. M. M. Petukhov. Vop. eksp. onk. no. 2 234-238 '66.

CANCER—CONGRESSES
International Cancer Research Congress. 4, I. Rykov. Vop. onk. 13 no. 4 18-21 '67.

Problem of antitumor antibiotics in the light of the 10th International Cancer Control Congress. G. F. Gaiduk. Vop. onk. 12 no. 1 348-350 Ap '67.

CANCER—DIAGNOSIS
[Present-day methods of diagnosis of malignant neoplasms] Sovremennyye metody diagnostiki zlokachestvennykh opukholei. Pod red. N. N. Blokhina. Moskva, Meditsina, 1967. 358 p.
(DNLM)

CANCER—TRANSPLANTATION
Changes in the activity of enzymes in rabbits following the transplantation of Brown-Pearce carcinoma. I. V. S. ... Vop. eksp. onk. no. 2 172-176 '66.

Effect of malonic acid of Ehrlich's carcinoma on the metastasizability and growth of this tumor. V. G. ... Vop. onk. 13 no. 3 58-62 '67.

CANCER CELLS
Change in nucleic acids content in Guey's tumor cells of white rats following complex treatment (Rorigan + cold factor). M. D. Kuvshinov. Dop. AN URSR Ser. B 29 no. 3 458-460 My '67.
Effect of N-nitrosopropylamine on the disturbance of life cycle of leukemic cells. S. A. Goncharova, L. P. Lurkina, O. S. Frankfurt. Dokl. AN SSSR 173 no. 3, 710-721 My '67.

CANCER RESEARCH
Antineoplastic immunization of animals. D. G. Zatul. Vop. eksp. onk. no. 2 190-205 '66.
Biochemical activity of the cerebral cortex in rabbits during the development of Brown-Pearce carcinoma. V. I. Tsapenko, A. P. Kapshuk. Vop. eksp. onk. no. 2 214-218 '66.

Changes in the radiosensitivity of ascitic Ehrlich's tumor under the effect of serial irradiation in vitro. M. L. Timonov, I. D. Nagmanov. Vop. onk. 13 no. 1 51-57 '67.
Comparative immunohistochemical analysis of tumors of different etiology. I. S. Bashkarev, A. I. Agechenko. Vop. onk. 13 no. 4 45-48 '67.

Experience in obtaining tissue cultures from Brown-Pearce carcinoma. M. S. Parfenova. Vop. eksp. onk. no. 2 200-202 '66.
Nonspecific factors of immunological reactivity in intracutaneous antineoplastic immunity. V. I. Struk. Vop. eksp. onk. no. 2 203-211 '66.

Reaction of the connective tissue system in rats with Guey's carcinoma following introduction of Benzot-TPA and antitubercular cytotoxic serum. L. I. Komonenko, A. M. Podberemnaia. Vop. eksp. onk. no. 2 217-222 '66.
Study of antineoplastic antibodies in the autochthonous host. R. D. Antonov. Vop. eksp. onk. no. 2 186-192 '66.

Study of biochemical properties of blood proteins and opiperidin and complement activity in animals with Brown-Pearce carcinoma. I. V. Zaitseva, I. M. Shafan. Vop. eksp. onk. no. 2 176-180 '66.
Use of immunofluorescence in the study of accumulation of antineoplastic antibodies of immune sera in tumors. K. A. Gudim-Lavochka. Vop. eksp. onk. no. 2 191-198 '66.

CANNED FOOD see Food, Canned
CANNED FRUIT see Fruit, Canned
CANNED MEAT see Meat, Canned
CANNED PEAS see Peas, Canned
CANNED VEGETABLES see Vegetables, Canned

CANNEL COAL see subdivision under Ukraine
CANNING AND PRESERVING
[Home preservation of fruit and vegetables] Konservirovanie fruktov i ovoshchei v domashnikh usloviyakh. Moskva, Rossel'khozizdat, 1966. 142 p.

CANNING INDUSTRY
Improve the organization of raw material areas for canning enterprises. Kons. i ov. prom. 22 no. 4: 1-4 Ap '67.
Production of canned goods abroad. H. I. A. Blashchuk. Khaz. prom. no. 2 57-59 My '67.

CANNING INDUSTRY—EQUIPMENT AND SUPPLIES
Mechanizing the loading and unloading of autoclave brackets. S. I. Borysenko. Khaz. prom. no. 2 26-27 My '67.

CAPILLARITY
Effect of capillary penetration on indices of flooding of nonuniform layers. M. L. S. Guechev, I. V. Maslennikov. Nauch. tekhn. sbor. po dok. nefti no. 30 41-47 '66.
Frequency dependence of the dielectric properties of rocks as a result of hydrodynamic phenomena. G. A. Ostrovskiy. Izv. AN SSSR, Fiz. zem. no. 9 73-84 '65.

Oscillations of an adherent droplet in an electric field. G. A. Ostrovskiy. Izv. AN SSSR, Fiz. zem. no. 9 73-84 '65.

CAPILLARY TUBES
Calculation of molecular streams along channels. I. Gordon, A. N. Ponomarev. Zhur. tekhn. fiz. 37 no. 5 951-959 My '67.

CAPITAL
[see also subdivision under Afghanistan]
Effectiveness of accumulation and economic growth. I. G. Gubunov. Kommunist 11 no. 8 88-94 My '67.
Golub, B. M., and V. G. Lebedev, eds. [Efficiency of capital investments and capital assets in industry] Effektivnost' kapital'nykh vlozhenii i osnovnykh fondov v promyshlennosti. Moskva, Mysl', 1967. 239 p.
Planning for the turnover of funds. I. I. Ikonov. Nauch. tekhn. 11 no. 5 82-86 My '67.

CAPITAL—MATHEMATICAL MODELS
Some models of accumulation and consumption and their analysis. I. I. S. Arkhangelskiy, V. A. Konev. Vest. Mosk. un. Ser. I. Ekon. 22 no. 2 19-21 My '67.

CAPITAL INVESTMENTS
Basic problems of determining the efficiency of capital investments and new equipment. I. D. Virech. Nauch. tekhn. 11 no. 5 82-86 My '67.
Certain problems of technical and economic analysis in heavy industry. V. A. Zluzin. Izv. AN SSSR 173 no. 3 710-721 My '67.

Criticism of the economic effectiveness of capital investments. R. A. Ariskina. Izv. AN SSSR 173 no. 3 710-721 My '67.

Golub, B. M., and V. G. Lebedev, eds. [Efficiency of capital investments and capital assets in industry] Effektivnost' kapital'nykh vlozhenii i osnovnykh fondov v promyshlennosti. Moskva, Mysl', 1967. 239 p.
[Improving the efficiency of capital investments in a culture] Povysheniya effektivnosti kapital'nykh vlozhenii v kul'ture. Kyiv, Naukova dumka, 1966. 232 p.

Nemchinskii, A. B. [Efficiency of capital investments in enterprises and operating units of the construction industry] Effektivnost' kapital'nykh vlozhenii v promyshlennosti i khoz. stroitel'stvo. Kyiv, Naukova dumka, 1966. 232 p.

CAPITAL LEVY
Payment for production funds and economic incentives. G. Gubunov. Prom. i zhizn' 9 no. 3 21-23 My '67.

CAPITALISM
The crisis of bourgeois ideology in an industrial country. G. K. Kuvshinov. Nauch. tekhn. 11 no. 5 82-86 My '67.
Lenin's analysis of imperialism and our time. V. I. ... Nauch. tekhn. 11 no. 5 82-86 My '67.
Modern capitalism. I. I. ... Nauch. tekhn. 11 no. 5 82-86 My '67.

Scientific and technical revolution and the intensification of the contradictions of capitalism. I. I. ... Nauch. tekhn. 11 no. 5 82-86 My '67.

CAR COUPLINGS
Calculating angles of deflection for the coupling of a rolling stock. B. Z. Kuznetsov, I. F. ... Vop. eksp. onk. no. 2 172-176 '66.

CARBAMIC ACID—PHYSIOLOGICAL EFFECT
Effectiveness of dihalocarbamic acid derivatives and structurally similar compounds in hypnosis. M. A. Kovalov, I. I. Likhachev, L. A. Likhacheva. Nauch. tekhn. 11 no. 5 82-86 My '67.
Leukopenic activity of methyl ester of dimethylcarbamate (cytogen). N. M. Kuvshinov. Nauch. tekhn. 11 no. 5 82-86 My '67.

CARBAZIC ACID
Some derivatives of β -hydrazinopropionic acid. I. Gaiduk and others. Zhur. tekhn. fiz. 37 no. 5 951-959 My '67.

CARBENES
Addition of benzoyl carbene to 1,3-dicarbonyl compounds. V. A. Kolliba, I. I. Kherazov, A. A. Petukhov. Nauch. tekhn. 11 no. 5 82-86 My '67.
Addition of dichlorocarbene to 2-methylbicyclo[2,2,1]heptene. I. M. Mikhaleva, A. B. Piaty, A. V. Pankov. Zhur. tekhn. fiz. 37 no. 5 951-959 My '67.

CARBIDES
Effect of boron and cerium and character of the distribution of excess carbides in type ZTS complex metal alloys. V. V. Gaiduk, B. S. Natapov, V. I. ... Nauch. tekhn. 11 no. 5 82-86 My '67.
Electrochemical methods of isolating carbides and intermetallics from steels and alloys. M. I. ... Nauch. tekhn. 11 no. 5 82-86 My '67.

Selective isolation and study of intermetallic and carbide phases from Ni-Cr-Al-C alloys. R. B. Golubinskaya. Dokl. AN SSSR 173 no. 2 346-349 My '67.
Studying sintering and properties of solid solutions of carbides. V. M. G. Optanov, V. G. Scholev. Nauch. tekhn. 11 no. 5 82-86 My '67.

CANADA—WOMEN, UKRAINIAN

[The Ukrainian women of the League of the Ukrainian Catholics. Women of Eastern Canada, a jubilee collection of articles and reports published for history and future generations.] Druzhba Ukrainy. Ligy Ukrainykh katolyts'kykh zhinkiv Ukrainy Kanady, iuv. iolny zbirnyk stat' i zvitiv. Dla istorii i pryutreshnikh pokolin. Toronto, Vyd. Druzhba Ukrainy Ligy Ukrainykh katolyts'kykh zhinkiv Ukrainy Kanady, 1957. 126 p.
(CUL)

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

- CARBOHYDRATES**
Carbohydrate-human complex content of foods and its digestibility. M. V. Uspenskaya. *Trudy UZNIIZH* no. 1 127-131 '59.
Effect of silver ions on the solution of some carbohydrates during storage. I. U. N. Zhvanov, A. P. Pliantenko, L. M. Chernov. *Izv. vuz. ucheb. zap. pishch. tekhn.* no. 2-33-35 '67.
- CARBON**
Carbon distribution during the modifying of sintec charges. G. I. Iumenko, S. P. Efimov, L. V. Vys. ucheb. zap., *chem. met.* 10 no. 410-23 '67.
- CARBON, ACTIVATED**
Adsorption of acetone vapors by activated carbon at low temperatures. V. N. Kirilov, I. P. Ushakov, V. M. Shelnikov. *Khim. i tekhn. topl. i masl.* 12 no. 4, 17-19 Ap '67.
Mass transfer in fluidized bed of activated carbon. I. I. Zomskov. *Khim. i tekhn. mashinost.* no. 1 25-29 Vy '65.
Removal of phenols from drinking water by activated carbon. M. V. Shcherbunov, E. M. Kalinichuk, A. N. Baranovskaya. *Ukr. khim. zhurn.* 33 no. 2-208-211 '67.
- CARBON BLACK**
Processes taking place in cyclone reactor during production of carbon black. I. P. Bess and others. *Ga. prom.* 12 no. 1 12-15 Ap '67.
- CARBON DIOXIDE**
Bacteriology and some problems of the dynamics of typhoid fever. P. A. Shcheglov. *Uch. zap. Kab. -Balk. gos. un.* no. 1310-86 '61.
Calculating the absorption of carbon dioxide by water in packed scrubbers. III. V. Akers, Prod. V. V. Dillman, III. A. Orlow. *Khim. prom.* 13 no. 1 51-51 Ap '67.
Effect of methane homologs on the conversion of natural gas with water vapor and carbon dioxide. S. P. Grishin, M. Kh. Karapet'ants. *Khim. prom.* 13 no. 1 16-48 Ap '67.
Extraction of aromatic substances from tobacco by liquid carbon dioxide. V. V. Chernikov and others. *Izv. vuz. ucheb. zap. pishch. tekhn.* no. 2 103-105 '67.
Nature of change of content of carbonic acid in inclusions in the process of quartz crystallization from pegmatite. N. A. Shugunova. *Geokhimiya* no. 2 247-250 F '67.
Reactions of nitrogen oxides. Report No. 5. Rate constant and mechanism of elementary reaction of nitrogen atoms with carbon dioxide. I. I. Avramenko, V. M. Krasnov. *Izv. AN SSSR Ser. Khim.* no. 3 519-519 Mr '67.
Volumetric analytical method for the determination of carbon dioxide in beer and carbonated soft drinks. M. V. Zakhvatkin and others. *Khim. prom.* no. 2 31-32 Mr -Ap '67.
- CARBON DIOXIDE—PHYSIOLOGICAL EFFECT**
Determination of the sensitivity of the respiratory center in man to carbon dioxide. R. S. Vinit'skaya, N. A. Koganova. *Fiziol. zhurn.* 51 no. 1 150-151 Ap '67.
- CARBON DISULFIDE, EFFECT OF RADIATION ON**
Reactions of hot atoms of sulfur in $C_2 - CCl_4$ mixtures adsorbed on zeolites. A. P. Shvedchikov. *Radiofizika* 9 no. 2, 274-275 '67.
- CARBON-IRON ALLOYS** see Iron-carbon alloys
- CARBON ISOTOPES**
Some problems of methodology in using carbon¹⁴ isotope for photosynthesis studies. A. T. Mironov. *Zap. Sverd. obl. VBO* no. 4-13 '68.
Use of radioactive carbon in studying feeding habits and food relationships of aquatic animals. I. U. Sorokin. *Trudy Inst. biol. vnutr. vod.* no. 12 75-119 '66.
- CARBON MONOXIDE**
Phase equilibria in the system butyric (isobutyric) aldehyde - carbon monoxide - hydrogen. D. S. Tskalia, V. I. A. Maslennikova, N. P. Gorshunova. *Khim. prom.* 43 no. 2-30-32 F '67.
Studying the mathematical model of a reactor for carbon monoxide conversion. V. M. Gulnev and others. *Khim. prom.* 43 no. 4-62-61 Ap '67.
- CARBON MONOXIDE—PHYSIOLOGICAL EFFECT**
Effect of carbon monoxide on the glycogen-forming function of the liver. V. A. Bel'tar. *Farm. i toks.* 30 no. 2 234-238 Mr -Ap '67.
- CARBON OXIDES**
Carbon suboxide and some of its reactions. Part 2: Reaction of carbon suboxide with alkyl mercaptans. L. B. Dashkevich, V. A. Pechenik. *Zhur. org. khim.* 3 no. 3-32-33 Ap '67.
- CARBON TETRACHLORIDE**
Action of carbon tetrachloride and chloral on alkyl esters of di-p-chlorophenylphosphonic acid. F. M. Khairasova and others. *Zhur. org. khim.* 3 no. 3-587-601 Mr '67.
- CARBON TETRACHLORIDE—TOXICOLOGY**
Effect of orotic acid, its morpholine salt and purin on the state of the liver in chronic poisoning with carbon tetrachloride. I. E. Bulen'ko and others. *Farm. i toks.* 30 no. 2 218-221 Mr -Ap '67.
- Effect of salt alkaline mineral water on the anabolic function of the liver in animals poisoned with carbon tetrachloride. L. L. Kodanenko. *Pat. fiziol. i eksp. terap.* 11 no. 2 71-72 Mr -Ap '67.
- CARBONATE ROCKS** see Rocks, Carbonate
- CARBONATED WATERS** see Mineral waters
- CARBONATES**
(See also subdivision under Usa region, Kemerovo Province)
Concentration of carbonate-phosphoric acids of the Don-magnesian deposit. N. T. Tsiplov, M. A. Orlov. *Khim. prom.* 43 no. 5 71-73 Mr '67.
Studying cerium Mn-containing carbonates by the method of electronic paramagnetic resonance. V. M. Vinogradov, M. M. Zaitsev, V. G. Stepanov. *Kristallografiya* 6 no. 1 104-108 Ja -F '61.
- CARBONATITES** see subdivision under Katny Valley; Maymecha Valley
- CARBONIC ACID**
Derivatives of N-arylimino-carbonic acids. Part 2. Zh. Ivanova and others. *Zhur. org. khim.* 3 no. 3 100-486 Mr '67.
Mixed polyesters of carbonic and isophthalic acids. G. S. Kolesnikov, O. V. Smirnova, Sh. A. Samsonova. *Vysokom. sood. Ser. B* 9 no. 1, 10-53 Ja '67.
Study of a polycarbonate film in a heat-moisture aging process. V. V. Maslov. *Fiziko-khimiya* 38 no. 1 11-15 Ap '67.
- CARBONYL COMPOUNDS**
 β -Dicarbonyl compounds. Report No. 26. Chemical properties and biological activity of derivatives of cyclic β -dicarbonyl compounds. G. V. Kondratyeva and others. *Izv. AN SSSR Ser. Khim.* no. 3 633-639 Mr '67.
Nature of substances obtained in dehydroacetylation of tetrahydrofurfuryl alcohol. V. A. Shmidt, V. B. Kogan. *Zhur. prikl. khim.* 40 no. 1 879-887 Ap '67.
Reducing metalation of carbonyl compounds. Part 5. Synthesis and decomposition of 1,1-diphenylhydrazides. D. V. Ioffe. *Zhur. org. khim.* 3 no. 3 535-541 Mr '67.
- CARBONYL GROUP**
Determination of a carbonyl group by means of pyrolysis and gas chromatography. V. M. Novskii and others. *Izv. AN Kazakh. SSR Ser. Khim.* 17 no. 2 27-32 Mr -Ap '67.
Thermodynamic analysis of chemical flow sheet for the production of powdered ferric oxide by the carbonyl method. V. G. Sytkin. *Khim. prom.* 13 no. 5-30-32 Mr '67.
- CARBONANES**
Action of C-metallic derivatives of barones on carboxylic acid derivatives. I. I. Zakhvatkin, A. A. Kazantsev. *Zhur. org. khim.* 17 no. 3 654-560 Mr '67.
Nature of carbon bond in barone nucleus. V. I. Stanko, V. A. Batshev. *Dokl. AN SSSR* 172 no. 6 1313-1316 F '67.
Photochemical chlorination of barone (carbonane). I. I. Zakhvatkin, V. N. Kalinin. *Dokl. AN SSSR* 173 no. 5 1091-1094 Ap '67.
Some transformations of 1-methyl-2-halogenoacetanilide. I. I. Zakhvatkin, A. V. Gurevnikov. *Izv. AN SSSR Ser. Khim.* no. 3 695-698 Mr '67.
- CARBOXYL GROUP**
Biocatalytic oxidation of 3, 5-diaminosalicylic acid. I. P. Beletskaya, Kh. V. I. O. A. Nedov. *Zhur. org. khim.* 3 no. 4 615-621 Ap '67.
- CARBOXYL GROUP—SPECTRA**
Quantitative microdetermination of carboxyl groups in cellulose materials by means of electron paramagnetic resonance. I. N. D. Molenko, R. N. Sytykhova, A. K. Potapovich. *Zhur. anal. khim.* 22 no. 2 260-264 F '67.
- CARCINOGENESIS**
Comparative study of carcinogenesis of the liver in male and female rats under the effect of dimethylaminoazobenzene in various nutritional conditions. L. K. Podzif, N. I. Bolonina, N. P. Kaurina. *Pat. fiziol. i eksp. terap.* 11 no. 2 55-59 Mr -Ap '67.
Effect of influenza virus on the genesis of tumors in animals following administration of urethane. A. F. Frolov. *Vop. eksp. onk.* no. 2 52-58 '66.
Effect of large doses of ginseng and eleutherococcus extracts on the origin of spontaneous tumors in hybrid mice. G. M. Ronchevskaya. *Vop. onk.* 13 no. 3 67-71 '67.
Functional state of the connective tissue system in the process of carcinogenesis under effect of dihalos. O. E. Pridatko, M. S. Smelkova. *Vop. eksp. onk.* no. 2 212-217 '66.
Genesis and development of induced tumors in white rats following prolonged neoplastic stimulation of the sciatic nerve. N. T. Kharchenko. *Vop. eksp. onk.* no. 2 48-52 '68.
Histogenesis of gastric cancer. I. V. Vasilenko. *Arkh. pat.* 20 no. 3 31-36 '67.
Problems of carcinogenesis: materials of the 8th International Cancer Research Congress. L. M. Shabad and others. *Vop. onk.* 13 no. 1 20-31 '67.
Role of mechanical stimulation of tissues in the process of the development of sarcomas induced by polycaprolactam. G. A. Pastuganova. *Vop. eksp. onk.* no. 2 101-103 '66.
- Some biochemical and functional characteristics of the blastomeres of the thyroid gland in golden hamsters caused by 6-methyluracil. R. N. Akimova, G. I. Kalik. *Vop. eksp. onk.* no. 2 133-141 '66.
- Structural changes in adenomatous polyps of the stomach during the process of their development and malignization. B. G. Lisochkin. *Vop. onk.* 13 no. 4 100-108 '67.
- CARCINOGENS**
Blastomeres properties of industrial metals and their compounds. P. P. Dvishkov. *Arkh. pat.* 20 no. 3 3-11 '67.
Formation of 1,4-benzopyrene as a result of wood pyrolysis at 300-1000°C. P. P. Dvishkov and others. *Vop. onk.* 13 no. 3 60-65 '67.
Possibility of intermolecular electron transfer in complexes with carcinogenic azo compounds. II. P. Sytykh, I. M. Khut'ova, I. M. Iukhova. *Dop. AN URSS* no. 10 1105-1111 '65.
Relationship of carcinogenic properties of chemical compounds to intermolecular transmission of electrons. R. P. Kavetskii, I. P. Sidorik, I. M. Khut'ova. *Vop. eksp. onk.* no. 2 5-17 '66.
- CARDIA—CANCER**
Results of gastrectomy in cancer of the cardia and the lower third of the esophagus. S. I. A. Markovitch. *Vop. onk.* 11 no. 1 91-95 '67.
Surgical treatment of cardiac cancer. A. A. Rusanov. *Vop. onk.* 13 no. 3 13-19 '67.
- CARDIAC ANEURYSMS**
Indications and contraindications for surgical treatment in cardiac aneurysm and selection of the operative technique. D. A. Velikotetski. *Sov. med.* 27 no. 8 32-36 Ig '63.
Results of surgical treatment of postinfarct cardiac aneurysms under conditions of artificial blood circulation. A. V. Pokrovskii and others. *Vest. AMN SSSR* 22 no. 1 71-78 '67.
- CARDIAC GLYCOSIDES**
Quantitative aspects of the treatment with cardiac glycosides. M. I. Shutski, I. I. Vechal. *Vest. AMN SSSR* 22 no. 1 57-61 '67.
- CARDING**
New developments in the study of carding process of fibrous materials. N. Gukasyan. *Prom. Ariz.* 10 no. 3 11-13 '67.
- CARDING MACHINES**
Carding angles of wool-carding machines. B. M. Katsen. *Nauch.-issled. trudy TSNIIMashdetal'* no. 9 18-59 '64.
Manufacture of a needle carder with a porous rubber shock absorber. B. M. Katsen. *Nauch.-issled. trudy TSNIIMashdetal'* no. 9 63-69 '61.
- CARDING MACHINES—TESTING**
Accelerated testing of the wear resistance of a needle carder with shock absorbers made from vulcanizates. B. M. Katsen. *Nauch.-issled. trudy TSNIIMashdetal'* no. 9 63-69 '64.
- CARDIOLOGY**
Some problems of the development of Soviet cardiology. I. I. Chuzov. *Vest. AMN SSSR* 22 no. 1 3-10 '67.
- CARDIOLOGY—CONGRESSES**
First All-Union Congress of Cardiologists. A. P. Goltsov. *Voen.-med. zhurn.* 40 no. 4 88-89 Ap '67.
Vserossiiskii s'ezd kardiologov po probleme nedostatochnosti serdtsa. 2d. 1964. [Transactions of the 2d All-Russian Congress of Therapists on the Problem of Cardiac Insufficiency]. Trudy. Pod obshch. red. A. L. Maslennikova. Moskva, Meditsina, 1966. 503 p. (DNLM)
- CARDIOVASCULAR SYSTEM**
Chemoreflexes from the receptors of pulmonary vessels on the cardiovascular system. D. P. Dvoretzki. *Bull. eksp. biol. i med.* 63 no. 18-11 Ap '67.
Relationship between respiratory and cardiovascular centers. A. V. Trubetskoi. *Fiziol. zhurn.* 40 no. 10 1215-1220 O '63.
Some data on the effect of Pallas quadrifolia on cardiovascular system. A. M. Markushov. *Trudy Oren. obl. Vses. fiziol. ob-va* no. 3 245-248 '64.
Study of systemic vascular reactions by means of total artificial blood circulation in cats. L. I. Osadchii. *Bull. eksp. biol. i med.* 63 no. 13-7 Ap '67.
- CARDIOVASCULAR SYSTEM—DISEASES**
Changes in the cardiovascular system following overexertion. L. I. Broches, I. U. A. Emul'tin. *Voen.-med. zhurn.* no. 3 32-34 Mr '67.
Neslerov, V. S. [Clinical aspects of diseases of the heart and vessels.] *Klinika boleznei serdtsa i sosudov.* Kiev, Zdorov'ia, 1967. 470 p. (DNLM)
- CARCATURES AND CARTOONS**
Art of passionate appeal. V. Gorinov. *Izvestiya* 30 no. 3 11-21 '67.
- CARNALLITE**
Effect of the dispersity of magnesium oxide particles on their chlorination rate in fused carnallite. E. I. Savinkova, T. A. Doglarsova, I. A. D. Vasil'onskii. *Zhur. prikl. khim.* 40 no. 4 758-762 Ap '67.

Studying the efficiency of the operation of sprayed fire-preventing devices on acetylene pipes. S. M. Kogarko, A. G. Lianin, V. A. Mikhailov, Khim. prom. 43 no. 2; 12-45 F 1967.

- CHERKASSY PROVINCE—ANTIQUITIES**
Monuments of the Chernyakhov cultural type in Zlatopol' District, Cherkassy Province, IE, V. Makhno, Arkheologia 20:107-122 '66.
- CHERKASSY PROVINCE—CRIME PREVENTION**
Crime prevention in a district. A. Kalandrets, Sots. zakon, no. 3:60-61 M '67.
- CHERKASSY PROVINCE—MOUNDS**
A burial mound of the 8th-7th century B.C. near the village of Nosachevo II, T. Kovpanenko, Arkheologia 20:171-179 '66.
- CHERNIGOV—ANTIQUITIES**
An ancient Russian burial mound in Chernigov D I Bliznitskiy, Arkheologia 18:105-138 '65.
- CHERNIGOV PROVINCE—HISTORY—STUDY AND TEACHING**
How the history teachers of Chernigov Province prepare for the 50th anniversary of the Great October Revolution, IU, IA, Simentov, Ukr. ist. zhur., II no. 4:101-105 Ap '67.
- CHERNIGOVSKII, VLADIMIR NIKOLAEVICH, 1907-**
Vladimir Nikolaevich Chernigovskii, on his 60th birthday Tiziol. zhur., 51 no. 3:233-235 M '67.
- CHERNITSYN, NIKOLAI NIKOLAEVICH, 1883-1917**
He fulfilled his duty Bezop. truda v prirode II no. 3:1-1 M '67.
- CHERNOVTSY—KNITTING MACHINES**
Auxiliary yarn control on the KT-1 machine, A. V. Vasiliyushka, Leh prom. 6 no. 2:37 M-Apr '67.
- CHERNOVTSY—LEGAL AID**
A legal aid room staffed with nonsalaried personnel, A. Tikhonov, Sots. zakon, no. 1:60 Ap '67.
- CHERNOVTSY PROVINCE** see Bukovina
- CHERNOZEM SOILS**
Effect of ridged surfaces on the erodibility of southern chernozem soils Chernozem, I I Shulaj, Vest. sel'skhoz. nauk [Kazakh] 10 no. 3:20-25 M '67.
Effect of the use of fertilizers during a period of fifty years on the content and forms of potassium in Chernozem soils, IU, K, Kudrin, S. V. Sukhobius, G. G. Farukh, Agrokhimia no. 4:3-12 Ap '67.
- CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889**
N. G. Chernyshevskii on the Civil War in the U.S.A. I I Iugoslovenko, Uch. zap. Mord. gos. un., 28:113-160 '65.
Naumova, N. N. [Nikolai Gavrilovich Chernyshevskii; a biography. A handbook for students] Nikolai Gavrilovich Chernyshevskii, biografiia. Posobie dlia uchashchikhsia, Leningrad, Prosveshchenie, 1965, 153 p. (Biografiia pisatel'ia) (MIDW)
Problem of the positive hero in N. G. Chernyshevskii's tale "My justification," N. B. Bokova, Uch. zap. MGPI 216:231-245 '68.
- CHERSONESE (CITY)—INSCRIPTIONS, GREEK**
Greek inscriptions from the area of the ancient theater in the Chersonese, E. I. Solomonik, Vest. drev. ist. no. 1:69-78 Ja-Mi '67.
- CHHATURA REGION (GEORGIA)—MANGANESE ORES**
Ga, Fe, Pb, Zn, W, and Mo in manganese ores in Chhatura and other deposits of Georgian S. R. L. C. Shchemberg and others Dokl. AN SSSR 173 no. 2:135-137 M '67.
- CHIBISOV, KONSTANTIN VLADIMIROVICH, 1897-**
K. V. Chibisov, on his seventieth birthday, Izv. AN SSSR, Ser. khim. no. 3:485 M '67.
- CHICK PEA**
Treating chick-pea seeds with nitrates, E. Solov'eva, Zerk. masl. kul't., 2 no. 5:29-30 '67.
- CHILD STUDY**
Development of emotions, E. Kul'chinskaya, Doshk. vosp., 40 no. 4:25-27 '67.
Development of personality, M. Nelmark, Doshk. vosp., 40 no. 4:27-30 '67.
Early stages in the development of thinking, S. Novoselova, Doshk. vosp., 40 no. 4:22-25 '67.
The restless and the quiet, S. Fainberg, Sem'ia i shkola 22 no. 3:8-9 M '67.
- CHILDREN**
The International Children's Day, E. Korshunova, Nov. vrem., 25 no. 23:17-18 Je '67.
Pages out of childhood, Doshk. vosp., 40 no. 4:31-39 '67.
- CHILDREN—ANECDOTES AND SAYINGS**
Chukovskii, K. I. [From two to five] Ot dvukh do piati. [10, 12d, 13pr, 14dop. Moskva, Prosveshchenie, 1966] 398 p., illus. (NRU)
Development of children's speech, S. Shakhovskaya, Doshk. vosp., 40 no. 4:70-72 '67.
- CHILDREN—EXHIBITIONS**
Exhibition "Children's creative work in the U.S.S.R." P. N. Andrianov, Shkola i priroda II no. 1:60-61 Ja '67.
- CHILDREN—LANGUAGE**
Chukovskii, K. I. [From two to five] Ot dvukh do piati. [10, 12d, 13pr, 14dop. Moskva, Prosveshchenie, 1966] 398 p., illus. (NRU)
Development of children's speech, S. Shakhovskaya, Doshk. vosp., 40 no. 4:70-72 '67.
- CHILDREN—MANAGEMENT**
Consultation center of "Sem'ia i shkola," Sem'ia i shkola 21 no. 10:19 O '66.
Consultation center of "Sem'ia i shkola," Sem'ia i shkola 22 no. 3:11 M '67.
A despot, B. Riabik, Doshk. vosp., 40 no. 1:110 '67.
Inadmissible methods, Mariia P. Il'inaeva, Sem'ia i shkola 21 no. 10:1-8 O '66.
"Is everything within the grasp of the little one?" V. Geibov, Sem'ia i shkola 21 no. 10:12-11 O '66.
"Love or necessity?" A. Lender's letter, A. Matukhin, Sem'ia i shkola 21 no. 10:39-10 O '66.
Mikhailova, V. M. [On older children] Nashi starshie deti, Moskva, Znaniye, 1967, 156 p. (Na odnyi universitet. Pedagogicheskii fakul'tet, 4/5)
Small adults! M. Shur, Doshk. vosp., 40 no. 1:108-109 '67.
Why did you tell an untruth? V. Kaspina, Sem'ia i shkola 22 no. 3:21-23 M '67.
Why? V. Kondashov, Sem'ia i shkola 21 no. 10:18 O '66.
- CHILDREN—SURGERY**
Appendicitis in children, I. G. Klimchuk, S. Baisukh, Sov. med. 30 no. 3:91-98 M '67.
Surgical treatment of fractures of the distal end of the humerus in children, IU P. Kul'snikov, Ortop. travm. i protet. 28 no. 1:20-23 Ap '67.
Surgical treatment of suppurative pulmonary diseases in young children, A. Biezina, J. Gaudens, Khirurgiia 13 no. 1:13-17 Ap '67.
- CHILDREN'S CLOTHING**
When is a child well dressed? A. Babarykina, Sem'ia i shkola 21 no. 10:12-13 O '66.
- CHILDREN'S LIBRARIES** see Libraries, Children's
- CHILDREN'S PLAYS**
A child and creativity, A. Prokhanov, Sem'ia i shkola 22 no. 3:35-36 M '67.
Literary and musical composition on the theme "Land and children," Nach. shkola 35 no. 4:83 Ap '67.
- CHILDREN'S PLAYS—PRESENTATION, ETC.**
Lubinskii, I. L. [The children's theater; what heroes should look like in Soviet dramaturgy for children and youth] Teatr dlia detei, oblik gerov v sovetskoi dramaturgii dlia detei i zhmoshestva, Moskva, Detskaiia lit-ia, 1965, 142 p. (Dom detskoi knigi) (MI)
- CHILDREN'S POETRY**
Gigore Vieri, E. Aksel'od, Doshk. vosp., 40 no. 4:122-123 '67.
- CHILDREN'S STORIES**
In family leisure time, Sem'ia i shkola 22 no. 3:33-61 M '67.
- CHIMKENT—CEMENT INDUSTRIES**
Chimkent cement must become cheaper, G. Malysheva, G. Vasilik, Naikhoz. Kazakh. 18 no. 12:32-34 D '60.
- CHINA—COMMUNIST PARTY**
Left-wing opportunism is the main danger of the Communist movement, Inform. biul. MNRP no. 1/2:67-73 '64.
Letter of the Central Committee of the Mongolian People's Revolutionary Party of June 12, 1961 to the Central Committee of the Communist Party of China Inform. biul. MNRP no. 1/2:80-85 '64.
Resolution of the Fifth Plenum on the controversies between the leaders of the Chinese Communist Party and the world Communist movement and the position of the Mongolian People's Revolutionary Party, Inform. biul. MNRP no. 1/2:52-55 '64.
- CHINA—DESERTS**
Petrov, M. P. [Deserts of Central Asia in two volumes] Pustyni Tsentral'noi Azii v dvukh tomakh, Leningrad, Nauka.
Vol. 2, [Kansu corridor, Tsaidam, Tarim Depression] Koridor Khosi, Tsaidam, Tarimskaia vpadina, 1967, 285 p.
- CHINA—ECONOMIC CONDITIONS**
From the "big race" to the "cultural revolution," A. Nekrasov, Mezhdunar. zhurn. 14 no. 5:20-37 '67.
- CHINA—FOREIGN RELATIONS—RUSSIA**
How a Russian mission was received in China in the 17th century, S. V. Semchynskiy, Ukr. ist. zhur., II no. 4:97-100 Ap '67.
- CHINA—POLITICS AND GOVERNMENT**
From the "big race" to the "cultural revolution," A. Nekrasov, Mezhdunar. zhurn. 14 no. 5:20-37 '67.
Great-power policy of Mao Tse-tung and his group in the nationality problem, T. Rakhimov, Kommunist 41 no. 7:114-119 My '67.
Where is China going? (to be concluded), R. Palme Dutt, Nov. vrem., 25 no. 23:7-29 Je '67.
Where is China going? (to be continued), R. Palme Dutt, Nov. vrem., 25 no. 20:27-29 My '67.
- CHINA (PORCELAIN)** see Porcelain
- CHINESE** see subdivision under Mongolia
- CHIR VALLEY—SULFUR ISOTOPES**
Isotopic composition of sulfur in sulfate ions of surface waters (Chir River) during summer low-water period of 1961, N. V. Veselovskii and others, Gidrokhim. int. 12:121-128 '66.
- CHIR VALLEY—WATER—COMPOSITION**
Isotopic composition of sulfur in sulfate ions of surface waters (Chir River) during summer low-water period of 1961, N. V. Veselovskii and others, Gidrokhim. int. 12:121-128 '66.
- CHIRCHIK VALLEY—FORAGE PLANTS**
Some data on the growth and development of forage crops in the dry zone of the Chirchik and Angren Basin, Shavkat Shubayev, Trudy UzNIIZH no. 4:145-148 '59.
- CHIRONOMIDAE***
(see also subdivision under Karelia)
Development of Chironomus silvestris (Diptera, Chironomidae), R. A. Rodova, Trudy Inst. biol. vnutr. vod., no. 12:199-213 '66.
Effect of illumination and temperature on photoreaction of the larvae of Chironomus ex gr. silvestris, razymnitsa, and Ichnioctonus albipennis, V. P. Lufeyev, Trudy Inst. biol. vnutr. vod., no. 12:213-285 '66.
Intestine and salivary gland structures in larvae of Chironomidae (Diptera), I. N. Kuzhakovskaya, Trudy Inst. biol. vnutr. vod., no. 12:286-296 '66.
Larva of Odontomesa filva Kieff. (Diptera, Chironomidae-Orthotendinae), A. I. Shukova, Trudy Inst. biol. vnutr. vod. no. 12:239-250 '66.
Migration of Chironomidae larvae to the surface of water in relation to illumination, V. P. Lufeyev, Trudy Inst. biol. vnutr. vod., no. 12:251-251 '66.
Taxonomy of Chironomus ex gr. defecus Kieff. (Diptera, Chironomidae), A. I. Shukova, Trudy Inst. biol. vnutr. vod. no. 12:214-218 '66.
- CHITA—RAILROADS—EMPLOYEES**
When the heart beats loud, V. V. Pollakov, Agitator 34 no. 8:12-14 Ap '67.
- CHKALOV, VALERI PETROVICH, 1904-1938**
Vodop'ianov, M. V. [Airman Valerii Chkalov, a biographical sketch] Leitchik Valerii Chkalov; biograficheski ocherk. Leningradskaya red. O. M. Rumiansevoi, Moskva, Oborongiz, 1950, 230 p. (IEN)
- CHKALOV PROVINCE** see Orenburg Province
- CHLORAL**
Action of carbon tetrachloride and chloral on alkyl esters of di-n-chlorophenylphosphinous acid, F. M. Kimtsova and others, Zhur. ob. khim. 37 no. 3:687-691 M '67.
- CHLORELLA**
Chlorella on board "Kosmos-10," E. N. Vasilina, I. D. Anikeeva, G. P. Pimenov, Kosm. issl. 5 no. 2:285-292 M-Apr '67.
Staining Chlorella cells with tetrazole salts, V. I. Kordum, K. O. Blatnikova, V. I. Man'ko, Mikrobiol. zhur., 29 no. 2:114-117 M-Apr '67.
- CHLORU**
Intagat

- CHROMIUM-NICKEL STEEL, EFFECT OF TEMPERATURE ON**
Influence of strain hardening and temperature on mechanical properties of Kh18Ni9Ti steel. V. I. Moleshko, A. P. Kachalov. Nauch. trudy Dnepr. inst. chet. met. 21:310-313 '65.
- CHROMIUM ORES**
Chromium and chromium-containing minerals in deep-seated xenoliths in kimberlite pipe. V. S. Sobolev, N. V. Sobolev. Geol. iud. mestorozh. 9 no. 2:10-16 '67.
- CHROMIUM PLATING**
Composition of a electrolytic deposit of "last chrome black". D. P. Zosimovich, N. D. Ivanova. Ukr. khim. zhur. 13 no. 2:200-201 '67.
Corrosion resistance of chromium sediments from self-regulating tetrachromate electrolyte. A. I. Salimanova, P. P. Kobylanski, L. M. Miaskovskii. Tekhn. i nauka no. 2:75-77. M.: Ap. '67.
- CHROMIUM STEEL—METALLOGRAPHY**
Studying the kinetics of isothermal decomposition of austenite in 20KhGNR steel. V. N. Gonchar and others. Izv. vys. ucheb. zav. chet. met. 10 no. 3:127-130 '67.
- CHROMIUM STEEL—TESTING**
Evaluating criteria of alloy resistance to microimpact shearing. V. A. Voinashchik, V. S. Kozlov, R. I. Minin, L. V. Ucheb. zav., chet. met. 10 no. 1:87-92 '67.
- CHROMIUM STEEL, EFFECT OF TEMPERATURE ON**
Resistance to deformation of Kh952-bi and steel at high temperatures and high rates of deformation. A. P. Kachalov. Nauch. trudy Dnepr. inst. chet. met. 21:311-317 '65.
- CHROMOSOME NUMBERS**
Chromosome numbers in leafy mosses of the Black Sea coast of Caucasus. A. S. Lazarenko, O. I. Vysotskaya, E. M. Lashin. Dop. AN URSSR Sci. B 29 no. 1:57-66. Ja. '67.
Comparative study of meiosis and wheat-type amphiploids 31AD-72 and 4D-129. G. V. Zueva, Zap. Sverd. otd. VBO no. 1:116-119 '66.
Materials on chromosome numbers in Umbelliferae. I. I. Kordium. Dop. AN URSSR Sci. B 29 no. 1:89-93. Ja. '67.
A note on wheat of the genus *Triticum* Zink and the meiosis course in it. B. V. Vokur. Zap. Sverd. otd. VBO no. 4:143-146 '66.
- CHROMOSOMES**
Characteristics of the inheritance of functional changes of salivary gland chromosomes in *Drosophila*. N. B. Khristoforova, I. E. Ausender. Genetika no. 3:76-79. M.: '67.
Chromosome complexes in *Salmo ischchan* Kesteler as related to karyosystematics of salmonids. L. A. Dorofeeva. Zool. zhur. 16 no. 2:218-253. M.: '67.
Chromosomes in guinea pigs. D. S. Dobutskanov, I. L. Gol'dman, Biol. eksp. i teoret. biol. no. 1:100-104. Ap. '67.
Construction of chromosomes detected by means of labeling and irradiation. I. A. Mitofanov, Biol. eksp. i teoret. biol. no. 4:95-100. Ap. '67.
Further study of the effect of space flight conditions on the chromosomes of the primary roots of embryos in the seeds of some higher plants. N. L. Delone, V. V. Antipov. Kosm. issl. 5 no. 3:12. M.: Ap. '67.
- CHROMYL CHLORIDE**
Free radical mechanism of oxidation of hydrocarbons by chromyl chloride. I. P. Gerasimov, M. P. Ponomarev. Zhur. org. khim. 1 no. 3:158-164. M.: '67.
- CHUKCHI PENINSULA—GOLD ORES**
Wall-granuloid gold-silver ore manifestation in central Chukchi Peninsula. A. A. Sidorov, T. I. Trifunova. Geol. i geofiz. no. 12:30-44 '66.
- CHUKCHI PENINSULA—SILVER ORES**
Wall-granuloid gold-silver ore manifestation in central Chukchi Peninsula. A. A. Sidorov, T. I. Trifunova. Geol. i geofiz. no. 12:30-44 '66.
- CHUNKIN, SERGEI ANTONOVICH, 1905-**
Sergei Antonovich Chunkin; on his 60th birthday. A. I. Mal'nev and others. Usp. mat. nauk 22 no. 2:189-197. M.: Ap. '67.
- CHURAEV, PETR NIKOLAEVICH, 1884-1967**
Petr Nikolaevich Churayev; obituary. Tr. prof. prom. 44 no. 2:48 '67.
- CHUVASHIA—RADIOBROADCASTING**
With assistance from the public. A. Semenov. Sov. radio i tel. 9 no. 3:12 '60.
- CHUVASHIA—TICKS**
 fauna, distribution, abundance, and ecology of ixodid ticks in Chuvash A. S. S. R. V. G. Pechov, S. V. Bebesheko, I. L. Kulik. Zool. zhur. 46 no. 2:209-213. M.: '67.
- CIGARETTE HABIT**
"Behind the blue smoke of the cigarette," readers' responses. I. Fominykh, M. Pogodin, Sem. in. shk. 21 no. 10:38-39. O. '60.
- CIGARETTES—CONTAINERS** see subdivision under Feodosiya (Ukraine)
- CIMMERIAN BOSPORUS (KINGDOM)—ART, ANCIENT**
Studies on the art of the Bosporus Kingdom. H. P. Ivanova. Arkheologiya 20:63-106 '66.
- CIMMERIAN BOSPORUS (KINGDOM)—INSCRIPTIONS**
A new inscription from Hermonassa. N. S. Belova. Vest. drev. ist. no. 1:60-69. In-M. '67.
- CIRCULAR SAWS—SAFETY APPLIANCES**
Protective casing for circular saw. A. I. Trukhachev. Bezop. truda v prom. 11 no. 5:50-51. M.: '67.
- CITIES AND TOWNS** see subdivision under Colchis, Volga Province
- CITRIC ACID**
Infrared absorption spectra of citrate complexes of gallium and indium. G. V. Lavrova, V. A. Sammergaki. Zhur. neorg. khim. 12 no. 1:622-626. Ap. '67.
Study of some properties of malic and citric acid esters. N. I. Sakit, N. I. Baranov, A. S. Sa'ykov. Nauch. trudy TashGU no. 2:6. Khim. nauki no. 16:15-50 '66.
- CITRUS FRUITS—FROST RESISTANCE**
Role of negative temperatures on increasing the frost resistance of citrus plants. T. S. Sukhadze. Subtrop. kult. no. 1:16-25 '66.
- CITY PLANNING**
(see also subdivision under Guryev; Kiev; Perm; Ukraine, Yaroslavl)
[The economics of city planning.] Ekonomika gradostroitel'stva. Kiev, Budivelnik, 1966. 82 p. (V pomoshch' inzhenerov i arhitektov, tem. 9)
[Geography of the population.] Geografika naseleniya. Moskva. [Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR]. No. 1. 1967. 46 p.
- CITY TRAFFIC** see subdivision under Moscow
- CIVIL DEFENSE**
By individual means. V. Daniluk. Voen. zhurn. 13 no. 3:30-31. M.: '67.
Collective means of defense. A. Khukovich. Voen. zhurn. 43 no. 3:28-36. M.: '67.
On the simplest heuristic scaling. N. Smejan. Voen. zhurn. 43 no. 3:32. M.: '67.
In a unified defense system. L. Vinogradov. Voen. zhurn. 43 no. 3:47-48. M.: '67.
Lessons of one drill. G. Malinin. Voen. zhurn. 13 no. 2:16-17. M.: '67.
Medical training for youth. V. Pokhvalin. Voen. zhurn. 13 no. 2:15. M.: '67.
On the job all her life. K. Kotlukov. Voen. zhurn. 13 no. 3:11. M.: '67.
Once more about technical maintenance. I. Kuchugin. Voen. zhurn. 13 no. 2:25. M.: '67.
Precision and will; a pyrotechnician on pyrotechnicians. I. Novichenko. Voen. zhurn. 13 no. 1:15-16. M.: '67.
This is party business. F. Shumudinov. Voen. zhurn. 43 no. 3:8. M.: '67.
Under every day conditions. I. Antipov. Voen. zhurn. 13 no. 3:20-21. M.: '67.
Using decoys of localities. V. I. Asenbaskii, A. Strigin. Voen. zhurn. 13 no. 2:20-21. M.: '67.
When there is coordination. M. Tuzhilkin. Voen. zhurn. 13 no. 3:24. M.: '67.
- CIVIL DEFENSE—STUDY AND TEACHING**
Courses for schools. V. Rnashchepkin. Voen. zhurn. 13 no. 1:23. M.: '67.
Preparation is centralized. P. Khalezov, A. Kachnov. Voen. zhurn. 13 no. 3:25. M.: '67.
Prompted by training. I. Poljakov. Voen. zhurn. 43 no. 3:22. M.: '67.
Why the headquarters training did not succeed. K. Karlyev, K. Semenov. Voen. zhurn. 13 no. 2:22-23. M.: '67.
- CIVIL LAW**
Sverdlovskii Iuridicheskii institut. Kafedra grazhdanskogo prava. [Civil code of the R. S. F. S. R.; a textbook and practical manual.] Grazhdanskii kodeks RSFSR; uchebno-prakticheskoe posobie. Otv. red. O. A. Krasavchikov. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1965. 2 v. (GSI-H)
- CIVIL PROCEDURE**
Zavorot'ko, P. P., and M. I. Shtefan. [Practical manual on Soviet civil procedure.] Prakticheskiy posobie z razdians'kogo tsyvil'nogo protsesual'nogo prava. [Kyiv] Vyd-vo Kyiv's'koho univ. No. 1. [Procedural documents] Protseusual'ni dokumenty. 1966. 171 p.
- CIVIL PROCEDURE (INTERNATIONAL LAW)**
How to eliminate lacunae in Soviet laws relating to the problems of international civil procedure. L. A. Lunt. Sov. gos. i pravo no. 5:55-64. M.: '67.
- CIVIL RIGHTS**
Ivanov, V. N. [Criminal laws protect the basic rights of citizens.] Ugolovnoprawova okhrana osnovnykh prav grazhdan. Moskva, Iurid. lit-1a, 1967. 134 p.
- CIVIL RIGHTS (INTERNATIONAL LAW)**
Facts on human rights. IA, Arkad'ev, IA Igorev. Sov. gos. i pravo no. 5:37-44. M.: '67.
- CIVIL WAR** see subdivision under United States
- CLASSICAL DRAMA**
A quiet life. V. Lendova. Teatr 28 no. 1:10-32. Ap. '67.
- CLASSIFICATION, UNIVERSAL DECIMAL**
Universal decimal classification. Izv. TSICHA no. 1:231-236 '66.
Universal decimal classification. Mias. iud. SSSR 10 no. 4:42-43. Ap. '67.
- CLASSIFICATION OF SCIENCES**
Theory of scientific information and problems of the classification of sciences. E. P. Semenuk. NTI, Ser. 2 no. 3:3-8 '67.
- CLAVICLE—FRACTURE**
Compression osteosynthesis with a screw in fractures of the clavicle. I. A. Sazonov. Ortop., travm. i prot. 28 no. 1:57-60. Ap. '67.
- CLAY**
(see also subdivision under Bol'shozemel'staya Tundra; Pechora Valley)
Determining the parameters of elementary cells in minerals. V. A. Dufis, A. A. Kashaev. Kristallografiya 6 no. 1:118-119 '61.
Heat-resistant clay-cement mixtures. N. I. Marukhin. Razrab. i izgot. mest. no. 1:20-23 '67.
Studying entering of refractory clays and kaolins with semicrystalline clay of Chayov Yu. A. K. Komar, F. I. Klepko, M. I. Koryukin. Dop. AN URSSR no. 10:135-139 '65.
- CLAY MINERALS**
(see also subdivision under Dnieper-Donets Lowland)
Adsorption-solubility properties of aqueous solutions modified by various nitrogen-containing organic compounds. G. V. Tshitshevskii, M. S. Shchegolev. Dokl. AN Kaz. SSR 43 no. 2:371-378. M.: '67.
Complete rheological curves of aqueous dispersions of argillaceous minerals. N. N. Kuglitskii. Dop. AN URSSR Ser. B 20 no. 3:217-251. M.: '67.
- CLEANING MACHINERY AND APPLIANCES**
Mechanization of the removal of waste from main pipes of pumping machines. P. P. Chuvpik, V. B. Bamykh, N. G. Sidorenko. Metallurg 12 no. 3:11-12. M.: '67.
- CLEARINGHOUSE** see subdivision under Communist countries
- CLIMATOLOGY**
Possible causes of large climatic changes on the earth. V. V. Krut'kov. Izv. Vses. geog. ob-va 99 no. 2:135-138. M.: Ap. '67.
- CLIMATOLOGY—CONGRESSES**
Session of the Interdepartmental Scientific Council on the problem "Climatic and agroclimatic resources." O. G. Sorochan. Izv. AN SSSR, Ser. geog. no. 2:161-164. M.: Ap. '67.
- CLIMATOLOGY, MEDICAL**
Analysis of climate for the purpose of medicogeographical study of the territory. P. M. Babakova, I. M. Il'icheva. Dokl. po med. geog. no. 2:19-26 '65.
Classification of the climates of the U. S. S. R. in respect to problems of medicogeographical research. I. A. Chubukov. Dokl. po med. geog. no. 2:10-18 '65.
Methods of medicoclimatological study of the territory. V. I. Rusanov. Dokl. po med. geog. no. 2:27-3.
- CLINKER**
Role of silica dispersity and quantity of lign in the process of sintering of silica binders. V. A. Pechnev, N. G. Dolinskaya. Zhur. 40 no. 4:90-92. M.: '66.

1908

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES (Continued)

Machine units for conveying long materials into coal mines V. S. Bukhtin and others Gor. zhur. 112 no. 3 47-49 Mi '67

Protection of public property is the basis of increasing industrial efficiency. B. G. Goryovskii Ugol' Ukr. 11 no. 3, 27-28 Mi '67

Sliding block system of mining thick steeply-pitching layers with conventional technology of coal extraction V. A. Mikhko Izv. vyz. ucheb. zav., gor. zhur. 10 no. 2 7-11 '67

Use of contactless synchronous motors in coal mines V. A. Stachubov Gor. zhur. 112 no. 3, 50-52 Mi '67

Ventilation of slopes during coal mining with vine line saws and by borehole blasting methods A. A. Mironov Vop. bezop. v ugol' shakht. 7 26-36 '66

COAL MINES AND MINING—FIRES AND FIRE PREVENTION (see also subdivision under Donets Basin; Kuznetsk Basin)

Concerning the article by V. B. Zakharov, V. G. Ispishev, and I. I. Tiner, "On the use of combustion inhibitors for preventing endogenic fires in coal blocks" in I. I. Latov, A. G. Kozubkov, I. P. Tomashevskii, B. G. Goryovskii, prom. 10 no. 10 51-52 O '66

Investigating prophylactic mixtures for preventing spontaneous fires V. I. Khavova, E. M. Akseanova, P. I. Gondeeva Vop. bezop. v ugol' shakht. 7 118-116 '66

They went into the fire V. Mikhailov Sov. shakht. 16 no. 3 16 Mi '67

Utilizing roof rock in the prevention of endogenic fires, F. K. Tsipilov Bezop. truda v prom. 10 no. 10 50-51 O '66

COAL MINES AND MINING—HYDRAULIC FRACTURING

Experience in multiple injection of air-water mixtures and water into coal seams G. E. Panov and others Ugol' 12 no. 4 63-65 Ap '67

COAL MINES AND MINING—LABOR PRODUCTIVITY (see also subdivision under Donets Basin; Ukraine)

At the Colliery of the Ministry of Coal Industry of the Soviet Union and the Central Committee of Trade-Union. Be ready to greet the Great October. Sov. shakht. 16 no. 3 5 Mi '67

Coal miners at the anniversary of the Great October, V. A. Khripov Sov. shakht. 16 no. 3 1-2 Mi '67

Summarized results of the first year of five-year plan, and main objectives of mine building for the anniversary year P. I. Kagan Ugol' 12 no. 1 1-5 Ap '67

COAL MINES AND MINING—MANAGEMENT

(see also subdivision under Donets Basin; Estonia; Karaganda Basin; Kuznetsk Basin; Moscow Basin; Ukraine)

Coal prices and economic reform I. U. I. Levitskii, Ugol' 11 no. 1 1-22 Mi '67

Economic meaning of coal mine reorganization P. Z. Zvagin, B. L. Ralshel' Ugol' Ukr. 11 no. 2 22-26 F '67

Economic reform and scientific organization of work G. D. Lazitskii and others Ugol' Ukr. 11 no. 3 22-23 Mi '67

Forms of work organization in cutter-loader mined long-walls of steep coal seams V. I. Zhukov, I. S. Silin'ko, O. P. Bredun Ugol' Ukr. 11 no. 3 25-27 Mi '67

From pickaxe to machineless mining S. B. Ostrovskii, V. P. Trofimov Ugol' Ukr. 11 no. 2 1-10 F '67

Give new machinery to careful hands. High standards of production V. Bazhanov, A. Aksekov Sov. shakht. 16 no. 3 11 Mi '67

Improvement of planning and economic incentives is on the agenda I. S. Piliukhanov Ugol' Ukr. 11 no. 1 26 Ju '67

Preparing the changeover of coal industry to the new system of planning and economic incentives G. I. A. Bushetin Ugol' 12 no. 1 27-32 Ap '67

Wrong trends N. Borzychev Sov. shakht. 16 no. 3 21-22 Mi '67

COAL MINES AND MINING—MATHEMATICAL MODELS

Astakhov, A. S., and E. I. Goltzman. [Economic-mathematical models of the organization of work in longwall mining] Ekonomiko-matematicheskie modeli organizatsii rabot v lavakh, Moskva, Nauka, 1967. 130 p.

COAL MINES AND MINING—MECHANIZATION see subdivision under Sakhalin

COAL MINES AND MINING—PERIODICALS see subdivision under Ukraine

COAL MINES AND MINING—PRODUCTION STANDARDS see subdivision under Lvov-Volyn' Basin

COAL MINES AND MINING—SAFETY APPLIANCES

RDO explosion-proof equipment V. I. Zavernev, P. G. Glimakov Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 145-149 '66

COAL MINES AND MINING—SAFETY MEASURES

(see also subdivision under Czechoslovakia; Donets Basin; Karaganda Basin; Kuznetsk Basin; Lvov-Volyn' Basin; Tula Basin)

All-Union public inspection of measures for raising the quality of production and the safety and improvement of working conditions in the coal and shale industries V. Tikhonov Bezop. truda v prom. 11 no. 5 50-60 Mi '67

Causes of accidents in mine No 8 of the "Artemugol" Trust G. I. Fapelinshnikov Bezop. truda v prom. 11 no. 3 6-8 Mi '67

Certain recommendations to the effect of increasing efficiency of coal seam wetting O. I. Chernov, V. N. Puzryev Ugol' 12 no. 4 58-63 Ap '67

Conferences—seminars of public inspectors on safety measures in coal mining V. F. Manevich Bezop. truda v prom. 11 no. 5 56-58 Mi '67

Economics, scientific organization and safety of work Bezop. truda v prom. 10 no. 10 1-3 O '66

Effect of the wetting of a coal massif on its state of stress V. I. Muiashov Vop. bezop. v ugol' shakht. 7 159-147 '66

Five proposals from innovators of the "Chervonogradu" Trust V. P. Seiykh Bezop. truda v prom. 10 no. 4 53-55 Ap '66

Improvement of the protection of the electric circuits in mine, I. U. A. Kocherzhev Bezop. truda v prom. 10 no. 1 6-7 Ap '66

"Luch" lamps V. I. Podpruzhnikov, A. A. Saifutdinov, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 142-144 '66

OMK-2 mechanical shale dusters I. I. Venget Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 139-141 '66

Preventing accidents caused by falling pieces of rock and coal A. M. Irdlian, V. S. Iarmolenko, V. I. Iututa Bezop. truda v prom. 10 no. 1 21-26 Ap '66

Principles of the method of an overall control of gas emanation, sudden outbursts of coal and gas, spontaneous fires, rock bumps, and coal dusts in mines O. I. Chernov, V. N. Puzryev Vop. bezop. v ugol' shakht. 7 91-138 '66

Prospects of using inhibitors in preventing explosions of methane-air mixtures during blasting operations in gas-prone coal mines P. M. Gelfand Izv. vyz. ucheb. zav., gor. zhur. 10 no. 2 19-51 '67

Selecting optimum characteristics of pumps for injecting water into coal seams, I. U. A. Osipov and others Ugol' 12 no. 1 65-66 Ap '67

COAL MINES AND MINING—SCHEDULING see subdivision under Donets Basin; Karaganda Basin

Seminar on network planning and control systems in coal industry P. I. Rapoport Ugol' 12 no. 1 72-74 Ap '67

COAL MINING MACHINERY

All-Union school on coal plowing I. I. A. Rozenberg Ugol' Ukr. 11 no. 1 54-55 Ju '67

Analyzing the grade improvement of anthracite produced by plowing V. I. Podpruzhnikov Ugol' Ukr. 11 no. 1 45-46 Ju '67

The "Donbass" supports at the "Proletarskaya-Glubokaya" Coal Mine of the Makeyevugol' Trust G. L. Kozolev, V. L. Brodetski, Ugol' Ukr. 11 no. 2 28-32 F '67

Efficiency of coal mining machines with control and regulation of their feed by the gas generation factor V. M. Taisaevych Dop. AN URSR, Ser. A 20 no. 1 80-93 Ju '67

Forms of work organization in cutter-loader mined long-walls of steep coal seams V. F. Zhukov, I. S. Silin'ko, O. P. Bredun Ugol' Ukr. 11 no. 3 25-27 Mi '67

From pickaxe to machineless mining S. B. Ostrovskii, V. P. Trofimov Ugol' Ukr. 11 no. 2 1-10 F '67

Give new machinery to careful hands. High standards of production V. Bazhanov, A. Aksekov Sov. shakht. 16 no. 3 11 Mi '67

Methods of mining flat and inclined coal seams by mechanized long faces A. P. Sudoplatov Ugol' Ukr. 11 no. 3 5-8 Mi '67

New equipment for coal miners M. D. Roka Ugol' Ukr. 11 no. 3 3-4 Mi '67

The open-end and down-the-pitch mining system with draw creep loading mined by KCI mechanized and hydraulic cutter-loaders A. A. Grishanov, I. G. Morozov, V. K. Roka Ugol' Ukr. 11 no. 1 17-18 Ju '67

COAL MINING MACHINERY—DESIGN AND CONSTRUCTION (see also subdivision under Czechoslovakia; Donets Basin)

Hard-alloy cutting tool for USB-2m plows G. G. Kariuk and others Ugol' Ukr. 11 no. 2 33-34 F '67

Hydraulic shifters for USB plows L. I. Levin and others Ugol' Ukr. 11 no. 3 34-35 Mi '67

KMD-2 units V. A. Flechuk Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 141-145 '66

KMK support sets S. I. Atokselchuk Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 5-7 '66

Mezhakov, V. A., and S. I. Vasilenko, [Standardized coal cutter loaders "Kirovets" and UKMG-3m] Unifitsirovanye ugo'lyno kombainy "Kirovets" i UKMG-3m, Moskva, Nedra, 1967. 357 p.

New cutting machines V. E. Tarasenko, I. S. Popov, I. U. A. Mart'ianov Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 25-34 '66

Ten thousand tons of coal in a month with the "Kirovets" cutter-loader V. A. Zekun Ugol' Ukr. 11 no. 3 20 Mi '67

US-1 scraper-plow I. E. Didenko, P. V. Romasov Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 3-4 '66

Wire-rope sawing machine for mining steep medium-thick outcrop-prone coal seams I. E. Nekrasovskii, P. M. Nekrasov, I. F. Skobelev Ugol' Ukr. 11 no. 1 10-12 Ju '67

COAL MINING MACHINERY—DYNAMICS

Selecting a regulator for controlling the movements of coal cutter-loaders in the section of a coal layer Z. A. Cherniak Izv. vyz. ucheb. zav., gor. zhur. 10 no. 2 147-150 '67

COAL MINING MACHINERY—ELECTRIC DRIVING

EDK04-R electric motor for coal cutter-loaders P. L. Svetlichnyi Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 133-135 '66

Theoretical modeling of the system of controlling loads on electric motors of coal mining machines I. P. Petrov, V. A. Morozov Izv. vyz. ucheb. zav., gor. zhur. 10 no. 2 129-146 '67

VRK-20 cutters for cutter-loaders N. A. Gorskii Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 135-137 '66

COAL MINING MACHINERY—MAINTENANCE AND REPAIR (see also subdivision under Kuznetsk Basin)

Increasing the quality of reconditioning and service life of mining equipment G. P. Kotlarevskii Ugol' Ukr. 11 no. 3 36-37 Mi '67

COAL MINING MACHINERY—PARTS

Small-size mercury slip rings for measuring stresses in mine machinery shafts E. I. Novitskii Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 161-166 '66

COAL MINING MACHINERY—PNEUMATIC DRIVING

UPK air motors I. U. V. Gribeshkov Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 177-183 '66

COAL MINING MACHINERY—TESTING

AMZD-3 apparatus for magnetic recording of deformations E. I. Novitskii, A. K. Dulin Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 150-161 '66

PT portable equipment for determining coal resistance to cutting V. K. Titumuk, N. A. Svistunov Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 149-154 '66

Recording dynamometer for mining machinery G. M. Loseva, P. G. Glumakov Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 154-157 '66

COAL PREPARATION

Bhagov, I. S. [Coal preparation on concentration tables] Obogashchenie uglei na konsentratsionnykh stolakh, Moskva, Nedra, 1967. 133 p.

OVP-2 equipment for determining contents of visible rock and fines B. F. Kuchukin, N. K. Burzhin Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 194-197 '66

COAL PREPARATION—EQUIPMENT AND SUPPLIES

More about lifting of unclassified coal I. M. Verkhovskii, I. D. Raivich, Koks i khim. no. 3 12-14 '67

Nabokov, K. F., and I. M. Dubinskii, [Operating air-driven jiggers] Eksploataatsia besporoshnykh otadochnykh mashin, Moskva, Nedra, 1966. 165 p.

Using DII wetting agent for intensification of devalerizing coal concentration V. G. Shatonskii, I. A. Murgolin, I. I. Khilina Ugol' Ukr. 11 no. 1 14-15 Ju '67

COAL PREPARATION—TABLES, CALCULATIONS, ETC.

Influence of granulometric composition and moisture on the porosity of granular mixtures A. A. Klesunin, A. I. Kuprin, G. V. Klesunin, Koks i khim. no. 3 1-8 '67

COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES see subdivision under Dnepropetrovsk; Donets Basin; Kirghizistan

COAL

COBALT BROMIDE

Nature of the third macrostage of liquid phase oxidation of molybdenum initiated by cobalt is much S. A. Samodina, K. I. Matkovskiy, A. A. Dolgova, Dokl. AN USSR, Ser. B 29 no. 1251-253 May '67

COBALT COMPOUNDS

Interaction of cobaltocene with iron and nickel carbonyls G. A. Razuvayev and others Zhur. obshch. khim. 37 no. 3: 672-674 May '67

Irreversible sorption of trivalent cobalt with anion exchanger AN-21 A. A. Gornunov, Zhur. neorg. khim. 12 no. 3: 774-778 May '67

Nitrite ion exchange in sodium hexamethylenecobaltate I. V. Matsko, I. U. E. Selanov, G. I. Shagisultanova Zhur. neorg. khim. 12 no. 3: 671-676 May '67

Soluble mixed hexamethylenecobaltate D. M. Pavlov Zhur. neorg. khim. 12 no. 1: 987-990 Apr '67

COBALT COMPOUNDS—PHYSIOLOGICAL EFFECT

Effect of complex cobalt compounds on regeneration processes of muscular tissue in irradiated animals F. Kh. Seifullin, Biol. eksp. biol. med. 63 no. 3: 93-97 May '67

COBALT ELECTRODES see Electrodes, Cobalt

COBALT-IRON-NICKEL ALLOYS see Iron-cobalt-nickel alloys

COBALT-IRON-VANADIUM ALLOYS see Iron-cobalt-vanadium alloys

COBALT-NICKEL ALLOYS see Nickel-cobalt alloys

COBALT PLATING

Regularities of cobalt electrodeposition from sulfate solutions at temperatures up to 100°C A. T. Vaganian and others, Elektrokhim. 12 no. 1: 110-123 Apr '67

COBALT-PLATINUM ALLOYS—METALLOGRAPHY

Effect of structural state on magnetic properties of a cobalt-platinum alloy D. D. Mashin, V. S. Beldenko Fiz. met. i metallov. 23 no. 3: 576-572 May '67

COD FISHERIES see Subdivision under Barants Sea

CODING THEORY

Methods for forming a code in converters operating in a spatial coding mode without physical representation of the code M. V. Kudachov, Soob. AN Gruz. SSR 45 no. 2: 169-171 Apr '67

Methods for improving the principal characteristics of the phase-rotating device of a coding converter of electrical signals with small intensity, S. D. Khachaturov, Avtomatika 12 no. 2: 67-71 May '67

New approach to the decoding of Reed-Miller codes O. B. Sokolov, I. I. Enikeev, Uch. zap. Kazan. univ. 125 no. 6: 58-66 May '67

Semenov, B. I. [Analysis of a charging device for a precision amplitude coder] Analiz zaryadnogo ustroystva amplitudnogo kodirovaniya povysheni tochnosti. [Dubna, 1967] 33 p.

Sequential decoding techniques at high transmission rates. N. I. Filipchuk, Radiotekhn. i elektron. 12 no. 4: 712-713 Apr '67

Synthesis of binary contact codes A. I. Oleinikov, V. M. Ordyntsev, V. V. Samogovskaya, Avtom. i telemek. 4 no. 4: 141-142 Apr '67

COENZYMES

Iron combination with coenzyme I in plants, E. V. Bolchuk, V. E. Zarin, Dokl. AN SSSR 165 no. 6: 123-126 D '67

COFFINITE

Coffinite from carbonate veins, I. I. Soloviyova, Dop. AN USSR Ser. B 29 no. 5: 121-128 May '67

CONS, SLAVIC see Subdivision under Kiev

COKE

Outlook for using coke in power engineering and for technological purposes V. I. Dul', I. U. A. Pionenko, S. M. Beldenko, Khim. tekhn. 4 no. 4: 19-24 May '67

COKE—STANDARDS see Subdivision under Karaganda Basin

COKE—THERMAL PROPERTIES

Thermomechanical strength of coke briquets, A. A. Agroskin, I. E. Sviatits, Koks i khim. 30 no. 3: 28-32 May '67

COKE—TRANSPORTATION

Hydrodynamics of the pneumatic transportation of powdered coke B. V. Efremov, I. U. G. Egiazarov, Dokl. AN BSSR 11 no. 3: 237-241 May '67

COKE INDUSTRY—BY-PRODUCTS

(see also Subdivision under Gorlovka, Ukraine; Rutenkovo, Ukraine; Yakutia)

Separation of mesitylene during hydraulic cleaning of crude benzene, L. A. Kollander, M. I. Tsipin, Koks i khim. 30 no. 3: 32-36 May '67

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

[Handbook of a mechanic in the by-product coke industry] Spravochnik mekhanika koksokhimicheskogo proizvodstva, [By] B. V. Berezin i dr. Moskva, Metallurgiya, 1967, 341 p.

COKE INDUSTRY—QUALITY CONTROL see Subdivision under Donetsk Basin, Russian region (Georgia)

COKE MANUFACTURE—EQUIPMENT AND SUPPLIES

Automatic positioning of constituents of oil-containing charges, I. Pavlova, M. Pustil, Koks i khim. 30 no. 3: 11-18 May '67

Quality of coke of the Rustavi Metallurgical Plant, V. D. Tashun, Koks i khim. 30 no. 3: 24-27 May '67

COKE-OVEN GAS—PURIFICATION

Purifying coke-oven gas before its injection into blast furnace, I. A. Mikhlin and others, Koks i khim. 30 no. 3: 42-44 May '67

COKE OVENS—DESIGN AND CONSTRUCTION see Subdivision under Kuznetsk Basin

COKE PLANTS—EQUIPMENT AND SUPPLIES

Automated plastometric apparatus, V. I. Donkov, Koks i khim. 30 no. 3: 44-48 May '67

COLCHIS—CITIES AND TOWNS

Localization of the capital of the kingdom of Colchis in 4th and 3rd centuries B.C. A. V. Beldchenko, Soob. AN Gruz. SSR 45 no. 2: 547-552 Apr '67

COLD—PHYSIOLOGICAL EFFECT

Problems of occupational cryopathology, G. A. Orlov, Khirurgiya 13 no. 1: 14-20 Apr '67

COLD STORAGE ON SHIPBOARD

On a ship in southern latitudes, T. Novikov, Fiz. i khim. Sov. Vostok 27 no. 1: 19-22 Apr '67

COLD STORAGE WAREHOUSES

(see also Subdivision under Moscow)

Building of cold storage warehouses on heavy soils, M. S. Lomskiy, Khim. tekhn. 4 no. 1: 20-30 Apr '67

Capacity of cold storage warehouses in foreign countries D. G. Rukov, Khim. tekhn. 4 no. 1: 61 Apr '67

Improving the planning of work in the cold storage warehouses of meat combines, Z. Fishkin, Mias. ind. SSSR 38 no. 4: 14-16 Apr '67

Scientific organization of labor in refrigerating enterprises M. M. Pavin, Khim. tekhn. 4 no. 4: 1-3 Apr '67

Use of the panel refrigerating system at distributing cold storage warehouses V. A. Kokorov, G. S. Akhmedov, Khim. tekhn. 4 no. 4: 7-8 Apr '67

COLD WELDING—EQUIPMENT AND SUPPLIES

Influence of the texture of rolled products on conditions of cold welding, A. S. Gel'man, M. V. Bolshakov, A. P. Semenov, Star. i nov. 1 no. 1: 15 Apr '67

COLITIS

Changes in metabolism of vitamins B₂, B₁₂, PP, pantothenic acid and vitamin C in chronic colitis of various etiology during total cyclical treatment, S. M. Bimenov and others, Antibiotiki 12 no. 4: 313-317 Apr '67

COLLECTIVE FARMS

(see also Subdivision under Aitai Territory; Azerbaijan; Kirgiz Province; Moscow Province; Nikolayev Province; Pushkinskiy Gory District; Tajikistan; Uzbekistan; Volkhovskiy District)

Experience in the study of collective farm democracy and its development under the conditions of our time, B. I. Lashchuk, Nauch. dokl. vyssh. shkoly, fiz. i mat. nauk 10 no. 2: 58-61 Apr '67

COLLECTIVE FARMS—ACCOUNTING

(see also Subdivision under Irkutsk Province, Tambov Province)

Business accounting within individual production units of collective farms, V. Vorobeyev, Kommunist 41 no. 7: 70-78 May '67

COLLECTIVE FARMS—FINANCE

(see also Subdivision under Uzbekistan)

Situation and legal character of the monetary funds of collective farms, I. N. Moroz, Sov. gos. i pravo no. 5: 125-128 May '67

COLLECTIVE FARMS—INTERFARM COOPERATION

The legal nature of property originated from interfarm cooperation, Z. P. Pridpyhora, Rad. pravo no. 4: 58-62 Apr '67

COLLECTIVE FARMS—LAW AND LEGISLATION

Experience in the examination of the civil lawsuits of collective farms, M. Nosenov, Sots. zakon. 4 no. 4: 45-46 Apr '67

Problem of liability in the contractual relations of collective farms, V. Dolezhan, Rad. pravo no. 4: 62-64 Apr '67

COLLECTIVE FARMS—MANAGEMENT see Subdivision under Shakhrisabz District; Uzbekistan; Volgod Province

COLLECTORS AND COLLECTING

"Philomony" Inna Vadimova, Sem. in shkola 21 no. 10: 63 O '66

COLLISIONS (NUCLEAR PHYSICS)

Average collision probability for finite cylinders and other convex solids, V. A. Zhiarkov, V. P. Tarantsev, Atom. energ. 22 no. 3: 229-230 May '67

Calculating the number of shifts in the cascade of collisions of identical particles, V. M. Lenchenko, Atom. energ. 22 no. 3: 226 May '67

Effect of interelectronic collisions on the energy relaxation mechanisms of hot electrons in n-InSb and p-GaAs at nitrogen temperatures, I. V. Levinson, G. Mazurek, Fiz. i tekhn. poluprov. 1 no. 1: 556-564 Apr '67

Energy exchange in the interaction between atoms and the surface of an ideal crystal, I. U. A. Ryzhov, D. S. Shtzenov, Dokl. AN SSSR 172 no. 6: 1309-1311 Apr '67

Method of measuring effective cross sections of the charge exchange of low energy positive ions V. F. Kuzlov, S. A. Bondar, Zhur. tekhn. fiz. 37 no. 3: 642-644 May '67

Potentials of the repelling interaction between atoms of noble gases A. B. Kamnev, V. B. Leonas, Dokl. AN SSSR 165 no. 6: 1273-1271 D '65

Processes of capture, ionization, and capture with ionization in collisions between protons and argon atoms, V. V. Afanasyev and others, Zhur. tekhn. fiz. 37 no. 4: 717-725 Apr '67

Relativistic ionization and plateau of electron density in bubble chambers, L. P. Kotenko, G. I. Alexeeva, V. A. Cherkhin, Izv. AN SSSR 5 no. 1: 815-825 Apr '67

Scattering mechanisms and the role of interelectron collisions in n-PbTe and some other semiconductors, B. I. Mozhich, I. U. A. Ryzhov, Fiz. i tekhn. poluprov. 1 no. 2: 188-191 Apr '67

Simulation of ion reflection from a single crystal, V. V. Kivlits, L. S. Pavlits, N. I. Turov, Dokl. AN SSSR 173 no. 1: 805-807 Apr '67

Spin structure of meson production amplitudes with random spins in π -N collisions, B. M. Karamukov, Izv. fiz. 5 no. 3: 658-662 May '67

Theory of transport phenomena in conductors in a strong magnetic field, S. V. Pletinskii, D. D. Tshchikova, Fiz. tverd. tela 11 no. 3: 799-796 May '67

Using a nonlinear exchange model in analyzing inelastic π -p interactions, I. A. Kuzmin, A. S. Tolmacheva, P. A. Usik, Izv. AN SSSR 5 no. 1: 877-881 Apr '67

Using the coincidence method in direct determination of the cross sections of elementary processes in the variation of charge states during atomic collisions V. V. Afanasyev and others, Zhur. tekhn. fiz. 37 no. 3: 510-514 May '67

COLLOIDS

Effect of hydrogen-ion concentration on the adsorption of inorganic colloidal substances at the hydrocolloid-sol interface, L. D. Sklyarov, L. N. Kalitina, Zhur. prikl. khim. 10 no. 4: 798-801 Apr '67

Iakovlev, A. G. [Laboratory work in physical and colloid chemistry] Praktikum po fizicheskoi i kolloidnoi khimii, Moskva, Vysshaya shkola, 1967, 128 p.

Marshov, P. M. [Laboratory work in physical and colloid chemistry] Praktikum po fizicheskoi i kolloidnoi khimii, 2. pererab. izd. Moskva, Vysshaya shkola, 1957, 150 p.

Stability and ζ -potential of metal-organic dispersions as depending on the composition of the medium, I. U. A. Novozhilov, M. A. Lunina, Zhur. fiz. khim. 41 no. 4: 887-889 Apr '67

Structural strength of dispersed system, L. M. Sharygin, Izv. AN SSSR, Neorg. mat. 3 no. 1: 700-701 Apr '67

COLON (ANATOMY)—DISEASES

Case of isolated lymphogranulomatosis of the transverse colon, M. P. Karavaev, Arkh. pat. 29 no. 3: 76-78 May '67

COLON (ANATOMY)—INFLAMMATION see Colitis

COLOR CENTERS (CRYSTALLOGRAPHY)

Photoemission from additively colored KCl crystals, A. N. Arsen'ev, G. I. A. D. Koshal, B. A. Karamov, Fiz. tverd. tela 9 no. 1: 1269-1270 Apr '67

Stability of variations in the electroconductivity of alkali halide crystals caused by additive coloring, G. D. Tarasenko, P. N. Okazova, Uch. zap. Kazan. Univ. 130 no. 2: 92-97 May '67

Study of a space charge originating due to the motion of F-centers in alkali halide crystals, G. D. Tarasenko, Uch. zap. Kazan. Univ. 130 no. 2: 92-97 May '67

COLOR IN INDUSTRY

Containing the talk about industrial colorities, Herop, truda v. pr. 11 no. 1: 40-41 Apr '67

COLOR TELEVISION

Mask-type kinescopes, I. A. Vinnikov, E. Mikhailov, Radio no. 2: 16-17 Apr '67

COLOR GLASS see Glass, Colored

COLORIMETERS

Use of a photocalorimeter for determining the solubility product of thorium hydroxide, P. N. Kovalev, K. N. Bagdasaryan, Zhur. prikl. khim. 34 no. 4: 789-794 Apr '61

COLORIMETRY

New colorimetric method for determining phosphorus content of soils and plants, L. V. Tsem (Le-van-Tsem), Agroklimatika no. 5: 117-121 May '67

Using photoelectric colorimetry for investigating petroleum products, G. F. Tobin, I. M. Ahergauz, I. U. V. Kapryi, Nauch. i tekhn. shor. po dob. nefli no. 30: 71-74 May '66

- COMBAT**
Combat and helicopters M. Belov, Voen. zhurn., 13 no. 3 30 Mi '67.
- COMBINATIONS**
Number of combinatorial structures M. I. Platonov, Uchen. zap. Lkh gos. ped. inst., no. 20 215-216 '61.
- COMBINES (AGRICULTURAL MACHINERY)**
Reliability and durability of self-propelled crawler combines I. G. Lipovetskii, V. L. Smirnov, I. A. Gershtov, Trakt. i sel'ho. mash., no. 1 21-22 Ap '67.
- COMBING (TEXTILE)**
Unevenness of shivers arising in the process of combing IU M. Vinnitskiy, Tekst. prom., 27 no. 1 24-33 Ap '67.
- COMBING MACHINES**
Combed sleeves made from synthetic materials B. V. Gukin, G. V. Tsai'kov, Nauch.-issled. i inzh. Mash.-detali' no. 9 69-71 '64.
- COMBUSTION**
Role of thermal dissociation in the processes of interaction of carbon with carbon dioxide and oxygen N. V. Lavrov, G. P. Khaustovich, Dokl. AN SSSR 165 no. 6 1317-1319 D '65.
Stationary combustion, I. A. Chernova, FMTF no. 6 98-100 N-D '66.
- COMBUSTION, SPONTANEOUS**
Limits of the spontaneous ignition of mixtures of ethane and chlorine, K. Labadze, V. Kokochashvili, Trudy Tbil. GU 71 275-281 '59.
- COMENIUS, JOHANN AMOS, 1592-1670**
Great humanist and teacher, on the 375th anniversary of Johann Amos Comenius' birth, M. F. Shabueva, S. I. Zinov'ev, Vest. vyssh. shkoly 25 no. 4 51-52 Mi '67.
- COMETS**
Distribution of the density of gas molecules in the head of the comet, P. I. Gubchikov, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 11/12-39-10 '66.
Model of the nucleus of a comet, P. I. Gubchikov, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 18 45-48 '66.
Possible common origin of the comets Wolf 1 (1881 II) and Biela (1802 V), Preliminary investigation, E. I. Karamchuk-Polonskaya, Trudy IFA no. 12 86-91 '61.
Problem of photoionization of cometary atmospheres, O. V. Dobrovolskii, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 11/12-32-12 '66.
Some current problems in comet astronomy viewed from the positions of modern celestial mechanics, E. I. Karamchuk-Polonskaya, Trudy IFA no. 12 1-23 '67.
Theory of optically dense cometary atmospheres, O. V. Dobrovolskii, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 11/12-17-50 '66.
Theory of shock waves in comets, N. N. Kazantseva, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 11/12-51-54 '66.
Upper limit of molecular hydrogen content in comet atmospheres, P. I. Gubchikov, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 18 32-34 '66.
- COMETS—1955**
Radio formation in the head of the comet Honda 1955 V, O. V. Dobrovolskii, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 11/12-37-18 '66.
- COMETS—1957**
Outbursts of the comet Arend-Roland 1957 III and the color activity, Kh. Kh. Baidinov, Bul. Inst. astr. i fiz. AN Tadzh. SSR no. 11/12-41-46 '66.
- COMETS—1962**
Photometry of the Seki-Lines Comet (1962 c) by the quanticity method, N. M. Bronnikova, Izv. GAO 23 no. 1 174-183 '66.
- COMETS—1964**
Observations of Iwerhart's comet (1964 b) in Byurakan, I. P. Khachatryan, R. A. Epimov, Izv. Bur. observ., no. 37 18-18 '66.
- COMETS—1965**
Observations of the comets Seki-Ikeya (1965 f) and Alcock (1965 h) at the G. I. Smirnov Astrophysical Observatory, N. S. Chernykh, Bul. Inst. teor. astron., 10 no. 9 647-648 '66.
- COMMANDER ISLANDS** see Komandorskiye Islands
- COMMUNITY AND SCHOOL** see subdivision under Ulyanovsk Province
- COMMERCE**
Development of the world capitalist market of gas turbines, A. P. Salukov, Biki [Pislozh.] no. 3 3-26 '67.
Metalworking equipment, G. Kuznetsov, Vneshtorg, 47 no. 3 71-39 '67.
- COMMERCIAL AGENTS**
Announcements, Vneshtorg, 47 no. 7 60-63 '67.
- COMMERCIAL JOURNALISM** see Journalism, Commercial
- COMMERCIAL LAW**
(see also subdivision under Uzbekistan)
Liability of sellers for the poor quality of sold goods, V. Tarkhov, Sov. iust., 31 no. 8 20-21 Ap '67.
- COMMERCIAL PRODUCTS**
[New consumer goods; information bulletin] Nov. tov; Inform. bul., no. 5 '67.
- COMMERCIAL PRODUCTS—CLASSIFICATION**
Russia (U. S. S. R.) Tsentral'noe statisticheskoe upravleniye, [Instructions for assigning materials and products of various grades, marks, and sizes to individual list codes of inventory forms] Ukazaniya po otmeseniyu materialov i izdelii razlichnykh sortov, mark i razmery k otdel'nym shifrarny nomenklatury poizpisykh blankov Moskva, Statistika, 1965, 91 p.
- COMMERCIAL PRODUCTS—GRADING**
Improve the classification of grades P. Shchepin, Plan. khoz., 44 no. 5 90-91 My '67.
- COMMISSION MERCHANTS**
The sale of agricultural machinery on commission V. Semenov, Sov. iust., 31 no. 7 11-12 Ap '67.
- COMMON SENSE**
Philosophy and common sense, T. I. Oizerman, Vop. filos., 21 no. 1 110-130 '67.
- COMMUNICABLE DISEASES—PREVENTION**
Dangerous enemy, IU. Tendetskiy, Otkrytiya i izob., stekh., 10 no. 5 32-33 My '67.
- COMMUNICATION AND TRAFFIC—ACCOUNTING**
Work of the centralized accounting office of the Ministry of Communications of the U. S. S. R., M. Titchenko, Bukhgh. uch. no. 1 7-10 Ja '67.
- COMMUNICATIONS, MILITARY**
Telecode communication along telephone channels, R. Panikhalov, V. Mikhalov, Tekh. i voen. zhurn., 25 no. 1 11-15 Ja '67.
V. I. Lenin on the work of transportation and military communications, A. I. Kuznetsov, Tyl i snab. Sov. Voen. Sil 27 no. 1 13-17 Ap '67.
- COMMUNICATIONS, MILITARY—COLD WEATHER CONDITIONS**
Communications equipment in winter, R. Rogozov, Tekh. i voen. zhurn., 25 no. 2 18-19 F '67.
- COMMUNICATIONS, MILITARY—EQUIPMENT AND SUPPLIES**
Electronic switching stations, I. Polkovskiy, V. Chistakov, Tekh. i voen. zhurn., 25 no. 3 10-13 Mi '67.
- COMMUNISM**
(see also subdivision under United States)
Amashenkov, B. A. [Necessity is born this way] Tak rozhdaetsya neobkhodimost', Moskva, Sov. Rossiya, 1966, 164 p.
(JEN)
The building of communism and the spiritual development of the individual, N. K. Kysilova, Ist. nauk. kom., no. 1 177-186 '66.
Creating the material and technical foundation of communism is the basis for the friendship and unity of socialist nationalities, A. A. Sokolov, Uchen. zap. AGU. Ser. ekon. nauk no. 2 49-50 '61.
The distribution of material and spiritual goods at a new stage in the building of communism, N. Ponomarenko, Nauch. khoz., Kazakh 18 no. 11 76-81 N '60.
Dynamic power of proletarian internationalism, Kommunist 11 no. 7 3-13 My '67.
Ermoлаev, A. I. [From class to classless society; the social structure of Soviet society during the transition from socialism to communism] Ot klassovogo k bezklassovomu obshchestvu, sotsial'naya struktura sovetskogo obshchestva pri perekhode ot sotsializma k kommunizmu, Moskva, Znanie, 1963, 31 p. (Novoe v zhizni, nauka, tekhnika. I Seriya: Istoria, 19)
MIL-L
MILITING Lenin's legacy, Tyl i snab. Sov. Voen. Sil 27 no. 4 2-1 Ap '67.
The future belongs to communism, Agitator 35 no. 9 1-6 My '67.
The Great October Revolution and international solidarity of the working classes, G. Kuznetsov, Kommunist, 11 no. 7 14-23 My '67.
Honoring the 50th anniversary of the Great October Revolution, All-Union competitions, Energetik 15 no. 1 2-3 Ja '67.
Initial category of the planned economy of socialism, I. Lavrov, Nauch. dokl. vyssh. shkoly, ekon. nauki 10 no. 1 14-18 '67.
- Kirilenko, A. P.** [Under the banner of Leninism to new victories of the October Revolution; a speech delivered at a solemn meeting in Moscow dedicated to the 97th anniversary of V. I. Lenin's birth] Pod znamenem leninizma - k novym pobedom dela. Oktabria: doklad na torzhestvennom zasedanii v Moskve, posvashchennom 97-1 godovshchine na dnya rozhdeniya V. I. Lenina, Moskva, Politizdat, 1967, 31 p.
- Kishinevskii gosudarstvennyi universitet.** [The birth of Marxism, a revolution in philosophy; a textbook for students of Kishinev University] Vozniknovenie marksizma - revoliutsionnyi perevorot v filosofii; uchebnoe posobie dlia studentov Kishinevskogo universiteta, Kishinev, 1965, 30 p.
(CST-II)
- Leninism, the October Revolution, and our time, Vop. filos., 21 no. 4 3-8 '67.
Loyalty of Leninism, Tekh. i voen. zhurn., 25 no. 1 1 Ap '67.
The new era in the history of the world and its moving forces, I. Zhukov, Mir. ekon. i mezhdunar. otn., no. 4 3-13 '67.
[On the roads toward communism] Na putiakh k kommunizmu; sbornik statei. [Leningrad] Lenizdat, 1966, 201 p.
The party and communism, V. Stepanov, Kommunist 41 no. 8 9-21 My '67.
A political and ideological upbringing is a problem of paramount importance, A. Lebedev, Tyl i snab. Sov. Voen. Sil 27 no. 3 7-12 Mi '67.
Promoting the ideas of proletarian internationalism, P. Makarov, Kommunist 11 no. 7 120-128 My '67.
Scientific and technical progress and its role in the development of the material and technical foundation of communism, IU. P. Gubanov, Trudy VZEL no. 30 81-91 '66.
Under the banner of Leninism, Kommunist 44 no. 6 3-13 Ap '67.
The unity of action of fraternal parties against imperialism, our common foe, I. Gubchikov, Tyl i snab. Sov. Voen. Sil 27 no. 1 6-12 Ap '67.
V. I. Lenin and the ideological struggle at the present stage, B. Borisov, Komm. iust., 11 no. 1 17-25 Ap '67.
V. I. Lenin's April theses, S. Kaluzev, D. Kukin, Kommunist 11 no. 6 11-21 Ap '67.
V. I. Lenin's theory of socialist culture, V. M. Mezhevich, Vop. filos., 21 no. 1 9-20 '67.
The word of the Party is an inspiration, Tekh. i voen. zhurn., 25 no. 3 1 Mi '67.
A worthy welcome for the great holiday, Vest. protiv. vozv. zh. no. 3 3-6 Mi '67.
The year 1967, a year of the fiftieth anniversary of the Soviet government, Energetik 15 no. 1 1-2 Ja '67.
- COMMUNISM—BIBLIOGRAPHY** see Bibliography—Communism
- COMMUNISM—STUDY AND TEACHING**
Critical admission to higher party schools, Part. zhizn' no. 7 30 Ap '67.
We must improve the educational process in universities of Marxist-Leninism, V. I. Ilyenko, Komm. iust., 11 no. 1 89-92 Ap '67.
- COMMUNISM—TRANSLATING**
Linguistic and terminological problems in translating the works of the great authors of Marxist-Leninism into Azerbaijani, D. A. Azimov, Trudy Inst. iet. i publ. [Az. reb.] 2 201-212 '59.
- COMMUNISM AND ART**
Fiftieth anniversary year, N. Overlana, Sov. voen. 10 no. 7 6-29 Ap '67.
In a great campaign, Oktabr' 18 no. 6 3-6 Je '61.
- COMMUNISM AND MUSIC**
It is not only a matter of the accordion, V. Kuznetsov, Sov. voen. 19 no. 7 30-31 Ap '67.
- COMMUNISM AND RELIGION**
Sherbakov, V. N. [Evangelical morality and humanism] Evangelika i chelovechnost' i gumanizm. [Leningrad] Lenizdat, 1967, 98 p.
- COMMUNIST COUNTRIES—CLEARINGHOUSE**
Foreign exchange-financial cooperation of the countries participating in the Mutual Economic Assistance Council, L. Sulteyev, Plan. khoz., 44 no. 5 77-81 My '67.
- COMMUNIST COUNTRIES—ECONOMIC CONDITIONS**
Economic balance of the socialist world system, G. M. Serofim. Nov. v. iem., 25 no. 2 97-101 My '67.
- COMMUNIST COUNTRIES—ECONOMIC POLICY**
The economy of the member countries of the Mutual Economic Assistance Council in the new five-year plan, IU. Believ, Kommunist 41 no. 9 98-107 My '67.
- COMMUNIST COUNTRIES—FINANCE**
Developing financial and economic relations in the world socialist system, K. Lashov, Tr. SSSR 11 no. 1 45-55 Ap '67.
- COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS**
Developing financial and economic relations in the world socialist system, K. Lashov, Tr. SSSR 11 no. 1 45-55 Ap '67.
- COMMUNIST COUNTRIES—FOREIGN RELATIONS**
Antagonistic and nonantagonistic contradictions, M. N. Rutkevich, Nauch. dokl. vyssh. shkoly, filos. nauki 10 no. 2 116-124 '67.
European security and mutual relations between states with two different systems, I. Orlik, V. Razmetov, Mezhdunar. zhizn' 14 no. 5 3-11 '67.
- COMMUNIST COUNTRIES—SOCIAL CONDITIONS**
Antagonistic and nonantagonistic contradictions, M. N. Rutkevich, Nauch. dokl. vyssh. shkoly, filos. nauki 10 no. 2 116-124 '67.

- (see also subdivision under All-Union Territory; Ukraine, Western, Ukrainian; Ukrainian Province, Vladimir; Volgograd)
- In the Committee of Party Control attached to the Central Committee of the CPSU Part. zhizn' no. 7, 51 p. '67
- Developing the spiritual interests of young people during the building of communism L. M. Romanov'ska Pyt. nauk. kom. no. 1130-143 '66.
- Education and science, A. Kochurov, Kommunist 44 no. 6 14-51 p. '67.
- An effective form of the communist education of youth, I. Kolmakov Sre. spoiz. obr. 13 no. 10 41-42 p. '66
- Increasing the role of trade unions as a school for education, Theme No. 6, Sov. profsolyuz 23 no. 5, 31-48 p. '67.
- Let us discuss the training of students, M. Zernskov Agitator no. 1 35-36 p. '62
- The methodological committee is operating, A. Shagin Agitator no. 1 37-31 p. '62.
- Nauchna konferentsia "Kommunisticheskoe vospitanie trudashchikh v period razvirovogo stroitel'stva kommunizma, Novosibirsk, 1961" (Materials) Materialy, Novosibirsk.**
- No. 3. [Aesthetic education of workers] Esteticheskoe vospitanie trudashchikh 1962, 108 p.
- No. 5. [Morality and moral education] Nравственност' i нравственное vospitanie, 1962 168 p. (MIA)
- The organization and execution of consultations, I. Berezhitskiy Komm. Ukr. 11 no. 4 83-85 p. '67.
- Studies on communist education (continuations), V. Sukhomlinskiy, Nar. obr. no. 4 11-30 p. '67.
- Training according to glorious traditions Part. zhizn' no. 7 61-62 p. '67
- The turn of fate, I. Kashkadamov, Sov. profsolyuz 23 no. 7 32-31 p. '67.
- The 21st Congress of the CPSU and some problems of communist education, A. G. Kharchev, Nauch. dokl. vyz. shkoly, filios, nauki 10 no. 2 3-13 p. '67
- We must improve the educational process in universities of Marxist-Leninism, V. Babenko, Komm. Ukr. 11 no. 1 69-92 p. '67.
- While on ship duty in foreign waters, I. Markov, Part. zhizn' no. 7 58-60 p. '67
- COMMUNIST ETHICS**
- "The code of Communist morality and religious 'morals,'" A. Kuznetsov Agitator no. 1 37-39 p. '62
- [Lening Nt. . .] Vstupala v zhizn' . . . [Moskva, Molodaya gvardia, 1967] 125 p.
- Interpretation of the problems of Marxist ethics in V. I. Lenin's works written after the October Revolution, G. A. Kuznetsov Nauch. dokl. vyz. shkoly, filios, nauki 10 no. 2 93-106 p. '67
- Problem of social determinism and morality in V. I. Lenin's works, A. F. Shishkin, Vop. filios, 21 no. 4, 21-31 p. '67.
- COMMUNIST PARTIES**
- (see also subdivision under Europe)
- Leninist theory of the role of the party is a powerful ideological weapon in the struggle for the unity and solidarity of the international communist movement, S. P. Novoselov, Vop. ist. KPSS 11 no. 1 80-102 p. '67.
- COMMUNIST PARTIES—BIBLIOGRAPHY** see Bibliography—Communist parties
- COMMUNIST PARTY** see subdivision under China; Czechoslovakia, France; Kazakhstan; Mongolia; Peru; Portugal; Spain; Ukraine, Western; Venezuela
- COMMUNIST PARTY OF THE SOVIET UNION**
- (see also subdivision under Armenia; Gorky Province; Kherson Province; Leningrad; Moldavia; Novosibirsk Province; Tashkent Province; Telesnograd Province; Turkmenia; Ukraine, Western; Uzbekistan)
- Brief news, Agitator no. 1 63-64 p. '62.
- Brief news, Vop. ist. KPSS 11 no. 4 155-156 p. '67.
- Communists of the plant in the struggle for economy, I. Vetrov, Mat. tekhn. unob. 2 no. 4 54-56 p. '67.
- During the battle year of 1917, Part. zhizn' no. 7 26-35 p. '67.
- International significance of the strategy and tactics of the Communist Party of the Soviet Union, L. M. Minaev, Vop. ist. KPSS 11 no. 4 77-80 p. '67.
- Kretov, F. D. [Introduction to studies in the history of the CPSU] Vvedenie k izucheniu istorii KPSS, Moskva, Mysl', 1967, 23 p.
- The mind, the honor, and the conscience of our era, Komm. Ukr. 41 no. 4 2-9 p. '67.
- Observance of the Leninist principles of guidance ensures success in the struggle for the general line of the party, A. K. Kolesnikov, Vop. ist. KPSS 11 no. 4 102-114 p. '67.
- The organization and execution of consultations, I. Berezhitskiy, Komm. Ukr. 41 no. 4 83-85 p. '67.
- The party and communism, V. Stepanov, Kommunist 41 no. 8 9-21 p. '67.
- Some problems of party work during the preparations for the October Revolution, V. Anikeev, Kommunist 44 no. 7 24-34 p. '67.
- Sverchkova, T. F. [Activity of the CPSU in realizing Lenin's principles of party propaganda] Dekret'nost' KPSS po osushchestvleniu leninskikh printsipov partiinoi propagandy. [Saratov] Izd-vo Saratovskogo univ., 1966, 65 p.
- COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY** see Bibliography—Communist Party of the Soviet Union
- COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES**
- Khaev, V. P., N. A. Kiepanch, and I. V. Shishkov [The 23d Congress of the CPSU is an important phase in the struggle for communism] XXIII s'ezd KPSS—vazhnyi etap borby za kommunizm, Moskva, Znaniye, 1966 37 p. (Novoe v zhizni, nauka, tekhnika. I Seriya Istoriya, 20) MIA-L
- COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP**
- (see also subdivision under Daghestan)
- Admission to the CPSU and some changes in party personnel during 1966 Part. zhizn' no. 7 3-8 p. '67
- COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
- (see also subdivision under Gorky Province, Volkiye Luki; White Russia)
- An all-union conference on problems of ideological work, Agitator no. 1 2 p. '62.
- Brief news on the preparations for the anniversary Agitator 75 no. 9 7-9 p. '67.
- Brief news on the preparations for the anniversary, talks with party secretaries of the city committees, Agitator 31 no. 4 6-7 p. '67.
- Ideological work of party organizations, M. Sobolev, Komm. Vooruzh. Sil 48 no. 8 55-61 p. '67.
- Never stop party political work in military medical installations, Voenn. med. zhur. no. 4 3-6 p. '67.
- Rendelung daily support to the party organizations, G. Fedotseev, Part. zhizn' no. 7 43-15 p. '67
- We must not try to find easy ways, N. Binkov, Agitator 31 no. 8 31-34 p. '67.
- COMMUNIST PARTY OF THE SOVIET UNION—PERIODICALS**
- A conference of our readers in Rostov-on-Don, P. V. Dzibenko Vop. ist. KPSS 11 no. 5 149-151 p. '67.
- Our readers' suggestions, Vop. ist. KPSS 11 no. 5 151-155 p. '67
- COMMUNIST STATE**
- From a proletarian dictatorship to a state of all the people A. Koshtyn Agitator no. 1 10-13 p. '62.
- COMMUNIST YOUTH** see subdivision under Europe, Eastern; Germany
- COMMUNIST YOUTH LEAGUE**
- (see also subdivision under Dnievorsk, Krasnoyarsk Territory)
- Advanced joys, A. Stitsyn, Mol. komm. no. 2 60-62 p. '67
- At the roll call, A. Avdeev, O. Morozenkova, Mol. komm. no. 3 58-62 p. '67.
- Can the veterans of war and labor present the cards of the Komsomol to its new members? Komm. Vooruzh. Sil 48 no. 8 88 p. '67.
- From the history of the struggle with Trotskyism in the youth movement, V. Sulemov Mol. komm. no. 4 30-42 p. '67
- Further improvement of the activity of the V. I. Lenin All-Union Communist Youth League in the leadership of the V. I. Lenin All-Union Pioneer Organization, Decision of the 2d plenum of the Central Committee of the V. I. Lenin All-Union Communist Youth League, Nar. obr. no. 1 19-11 p. '67.
- How to "stretch" a day, A. Bezrukov, Mol. komm. no. 2 54-58 p. '67.
- On the left where the heart is, A. Karimov Mol. komm. no. 4 58-59 p. '67
- Periodical publications of the Communist Youth League in 1918-1920 as a source of history, A. N. Romanov, Vop. ist. KPSS 11 no. 5 105-110 p. '67.
- Standards and dogmas, M. Vyshinskii, Mol. komm. no. 4 50-55 p. '67
- Three letters to Nikolai Ostrovskii, Mol. komm. no. 4 14-21 p. '67
- There should be an individual approach to each serviceman, I. Ivanov, Komm. Vooruzh. Sil 48 no. 8 88-71 p. '67.
- Visiting routes of the heroic deeds of our people, I. Konev, Mol. komm. no. 3 28-37 p. '67.
- COMMUNISTS**
- Revolutionary enthusiasm, A. Mlynok, Agitator no. 1 p. '62.
- COMMUNITY CENTERS**
- (see also subdivision under Estonia; Kiev Province; Orehovo-Zuyevo; Tyumen Province)
- Communications from readers, Agitator 34 no. 8 7 p. '67.
- Sources of inspiration, I. Turkin, Sov. profsolyuz 23 no. 4 19-20 p. '67.
- COMMUTATION (ELECTRICITY)**
- Effect of current density beneath brushes on the commutation of d. c. machines, I. S. Mendeleev, B. B. Kats Izv. vyz. ucheb. zav., elektromekhl. no. 3 362-364 p. '67.
- COMPLEMENTS (IMMUNITY)**
- Non-specific factors of immunological reactivity in intracutaneous antineoplastic immunity V. I. Struk Vop. eksp. onk. no. 2 205-211 p. '66
- COMPLICATIONS OF PREGNANCY** see Pregnancy, Complications of
- COMPLEX COMPOUNDS**
- Spectrophotometric method of determining equilibrium constants in systems of complexes having close stability value T. V. Mal'kova, N. A. Fateeva, K. B. Atsimurkii Zhur. neorg. khim. 12 no. 1 815-821 p. '67
- Use of saturated solutions of hydroxides of high-valent elements as a standard state in studying complex-forming processes A. K. Babva, B. I. Nablavets, V. V. I. chima Ukr. khim. zhur. 33 no. 3 334-335 p. '67.
- Value of the limiting diffusion current in the galvanostatic study of the electrodeposition of metals, I. B. Murashova, I. N. Iankelovich, A. V. Ponomarev, Elektrokhimiya 3 no. 2 266-269 p. '67
- COMPLEX COMPOUNDS—SPECTRA**
- Spectral examination of some substituted 2-hydroxyaromatic benzene and their inner-complex compounds with copper, nickel, and cobalt G. G. Shulak, B. I. Stepanov Zhur. ob. khim. 37 no. 3 653-657 p. '67.
- Structure of antipyrene compounds and some of its derivatives with metals V. K. Aktimov and others, Zhur. ob. khim. 37 no. 3 658-662 p. '67
- COMPLEX COMPOUNDS—THERMODYNAMICS**
- Thermodynamic constants of the complex formation of U⁴⁺ with OH⁻ ions and Zr⁴⁺ with OH⁻ and NO³⁻ ions, A. S. Solovkin, Z. N. Tsvetkov, A. I. Ivanisov, Zhur. neorg. khim. 12 no. 3 626-632 p. '67.
- COMPLEX IONS**
- Effect of the nature of cation and anion of salt on the state of coordinated amino groups in paraphenylenediamine complexes, M. S. Barvinok, I. S. Dzhurav, Zhur. neorg. khim. 12 no. 3 604-606 p. '67.
- Effective charges of metal atoms in complex ions of elements of the first transition period, K. B. Atsimurkii, I. I. Volchenskova, Teor. i eksper. khim. 3 no. 1 19-16 p. '67.
- New salts of uranium-oxalic acid, A. A. Glinbeig, G. S. Lozhkina, Radiokhimiya 9 no. 2 170-183 p. '67.
- Radial of solvated ions, I. A. Kruglik, Zhur. fiz. khim. 41 no. 4 867-869 p. '67.
- COMPLEXONS**
- Complex formation of zirconium with some polyaminopolycyclic acids, L. I. Tikhonova Zhur. neorg. khim. 12 no. 4 930-943 p. '67.
- Complexometric determination of tetraavalent plutonium using xylenol orange as indicator, A. A. Nemochuk, L. P. Glukhova Zhur. anal. khim. 22 no. 2 193-195 p. '67.
- Kinetics of the cathodic separation of cadmium from solutions with complexons, Report No. 2, Electrocrystallization of cadmium from electrolytes with Trilon E M. A. Loshkarev, L. I. Gromik, Khim. tekhn. no. 4 24-20 p. '66.
- State of some enzymatic systems following introduction of complexons O. G. Arkhipova, N. K. Denokulova, Farm. toki, 30 no. 2 230-234 p. '67
- Synthesis and infrared absorption spectra of 2-hydroxy-1,3-diaminopropanediol acetates of zinc and copper, N. M. Dialelova and others, 12 no. 3 713-719 p. '67.
- COMPLICATED LABOR** see Labor, Complicated
- COMPOUND OFFENSES**
- We should define more exactly article 42 of the criminal code of the Ukrainian S. S. R., I. U. Shevchenko, Rad. pravo no. 4 40 p. '67.
- COMPRESSED GASES** see Gases, Compressed
- COMPRESSIBILITY**
- Compressibility of metals, M. B. Glits, Fiz. tver. tela 9 no. 4 1183-1186 p. '67
- Transcritical deformations of a short cylindrical shell and a square panel in axial compression, V. V. Mykhailov, Dop. AN URSR, Ser. A 29 no. 4 350-353 p. '67.
- COMPRESSORS**
- Automatic switching in of a reserve compressor, G. E. Zavellov, S. L. Geiler Khel. tekhn. 44 no. 4 33-34 p. '67.
- Control of productive capacity of compressor stations of underground natural gas storage tanks abroad P. F. Vodlanik, A. E. Chernyshev Neft i gaz prom. no. 2 53-55 p. '67.
- Design, dismantling and assembling of ammonia compressors of the firm "Malekava" A. I. Troitskii, Khel. tekhn. 44 no. 4 44-17 p. '67
- Life of compressor membranes, S. M. Alukhov, Khim. i nef. mashinost. no. 5 58-11 p. '66.
- Piston seal and efficiency of a piston-type compressed-gas motor, V. M. Erodianskiy, A. B. Grachev, N. M. Savinova, Izv. vyz. ucheb. zav., oneig 10 no. 3 45-51 p. '67.
- Selecting drive for turbocompressors, A. N. Frolov, Gaz prom. 12 no. 4 18-17 p. '67

COMPRESSORS—AERODYNAMICS

Determining the limits of steady performance of stages of an axial-flow compressor using the rated method
N. V. Helan, V. N. Ershov, G. V. Pavlenko Samoletostroi-
t. tekhn. voz'd. flota no. 7 32-36 '66

Some results of experimental investigation of flow comp-
ressor guide vanes with aspect ratio of blades
A. L. Polina-
kov, I. U. Stepinov Samoletostroi-
t. tekhn. voz'd. flota
no. 7 28-31 '66

COMPRESSORS—COOLING

Selecting overall dimensions for air coolers fitted
between compressors
N. D. Gerasimov, N. M. Pichayev
Izv. vuzov, mashinostroi-
t. tekhn. voz'd. flota
no. 2 54-58 '67

COMPRESSORS—NOISE

Soundproofing capacity of casings for the units of com-
pressor stations of main gas lines
D. R. Gushak
Izv. vuzov, mashinostroi-
t. tekhn. voz'd. flota
no. 2 59-65 '67

COMPRESSORS—SAFETY APPLIANCES

For safe use of piston compressors
V. E. Maksimov-
skii Izv. vuzov, mashinostroi-
t. tekhn. voz'd. flota
no. 3 17-18 '67

COMPTON EFFECT

Lapkin, L. I. [Remarks on the sum rules for the am-
plitudes of the Compton effect] Zamechania o pravilakh
summiruemykh amplitud kompton-effekta [Dubna, 1967]
8 p.

Possibility to observe T-odd correlations in the Compton
effect on a proton
A. D. Dolgov, M. S. Marinov, L. A.
Ponomarev, Izv. fiz. 5 no. 4 870-873 Ap '67

COMRADES COURTS

(see also subdivision under Kamenets-Podolskiy)

Let us improve the work of comrades courts.
G. Ageeva.
Sov. iust. 31 no. 8 18-19 Ap '67.

People's controllers.
I. Bilokobyl'skiy Rad. pravo.
no. 4 191-95 Ap '67.

CONCEPTS

Volshvillo, E. K. [Concept] Pontatie. [Moskva] Izd-vo
Mosk. univ., 1967. 284 p.

CONCRETE

Experimental study of the rigidity of Keramit-concrete
flexible elements under temporary loading
L. S. Vlasov.
Trudy GPI [Gruz.] no. 2 317-321 '61.

CONCRETE—CORROSION

Reconditioning of monolithic concrete lining in vertical
mine shafts.
A. K. Belotov, I. D. Kozmichko, B. N.
Kuzin, Gos. zhur. 112 no. 3 29-31 Mr '67.

CONCRETE—CURING

Studying causes of destruction of concrete in steam
curing
M. R. Chernianin, Dop. AN URSR no. 10 1353-
1355 '65.

CONCRETE—TESTING

Experimental testing of the durability of keramit concrete
under a pulsating load
Z. G. Agabekova, Trudy GPI
[Gruz.] no. 2 33-39 '64.

Solidification of concrete under protective films.
Avi-
dor. 30 no. 3 23 Mr '67.

CONCRETE BEAMS—TESTING

Experimental investigation of the rigidity of reinforced-
concrete beams.
A. Akopjan, Prikl. fiz. 10 no. 2.
27-30 '67.

CONCRETE CONSTRUCTION

Dynamic tests of an experimental span from composite
prestressed reinforced concrete in the shape of an
arch with a span of 44 m.
V. A. Slovinskii, I. E. Blus,
Trudy GPI [Gruz.] no. 2 265-267 '64.

Gorenbein, V. I. A. [Weak resistance of the facings of hy-
draulic structures] Izv. gosstroiizdat' obitovok gidro-
tekhnicheskikh sooruzhenii, Moskva, Energiya, 1967.
142 p.

We shall be awarded the title of brigade of communist
labor.
V. Egonov, Na stol. Ros. 5 no. 1 9-9 Ja '64.

CONCRETE PILING—EQUIPMENT AND SUPPLIES

The KP-20 pile driver for driving reinforced concrete
piles.
V. F. Khimov, Stroitel. dor. mash. 12 no. 3 6-7
Mr '67.

CONCRETE PLANTS—ACCOUNTING

(see also subdivision under White Russia)

CONCRETE PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Novosibirsk)

CONCRETE REFRACTORY

(see Reinforced concrete)

CONCRETE ROOFING

(see Roofing, Concrete)

CONCRETIONS

(see also subdivision under Crimean Mountains; Khabarovsk Territory)

CONDENSATION

Kinetics of the formation of a cloud spectrum.
L. M. Levin, I. U. Sedunov Izv. AN SSSR Fiz. atm. i okean
3 no. 1 419-433 Ap '67

CONDENSATION PRODUCTS (CHEMISTRY)

Differences in supermolecular structure of amorphous
polyarylates obtained by interfacial polycondensation
and high-temperature polycondensation in a homogeneous
medium.
G. L. Slonimskii and others, Dokl.
AN SSSR 186 no. 6 1323-1324 p '65

CONDENSATION TRAILS

(see also subdivision under Kiev region)

CONDENSERS (ELECTRICITY)

[Achievements of science and technology: Electric en-
gineering materials, electric condensers, wires, and
cables] Dostizheniya nauki i tekhniki: Elektrokhimicheskie
materialy, elektricheskie kondensatory, provoda i kabe-
li 1962-1964. Moskva, 1966. 119 p. (Seriya Elektro-
tekhnika i energetika)

Effect of electric and γ -radiation on VK-2 and VK-1
variable capacitors.
I. I. Kuz'min and others, Fiz. tverd.
tela 9 no. 3 918-920 Mr '67.

Focusing and dispersion properties of the field of a
cylindrical capacitor.
A. N. Sorochanskii, V. E. Kolker
Zhur. tekhn. fiz. 37 no. 5 223-226 My '67

Ionization processes and life of capacitor insulation.
N. P. Aleksandrov, A. K. Mami, Izv. NIIPI no. 12 97-
113 '65.

Optimal processes for charging capacitive storage units.
I. V. Volkov, I. V. Pentelev, Izv. vuzov, ucheb. zav.,
energ. 10 no. 4 25-28 Ap '67.

Studying the interaction between a conductive layer and a
luminescent layer in the manufacturing of electrolumines-
cent condensers.
A. Tamnik, Izv. vuzov, ucheb. zav.,
fiz. 10 no. 2 157-159 '67.

Thermal design of electrolytic condensers for braking
asynchronous motors.
L. V. Bushina, I. P. Petrov
Elektromashinostroi-
t. tekhn. voz'd. flota
no. 1 47-54 '66

CONDENSERS (STEAM)

Use of turbine condensers in the capacity of network water
heaters.
Energiya, elektr. no. 2 53 Mr-Ap '67.

CONDITIONED RESPONSE

Classical and instrumental conditioned reflexes
T. A. Asatryan, Priroda no. 3 19-21 Mr '67.

Conditioned reflexes in Baikal Planaria podopolana oliva-
cea K. following injection of ibuprofen.
N. A. Tush-
malova, Zhur. vyz. nerv. deiat. 17 no. 2 359-361 Mr-
Ap '67

Dynamics of the latent period of primary evoked responses
in the process of development of conditioned defense
reflexes in dogs.
T. S. Naumova, N. S. Popova, Zhur.
vys. nerv. deiat. 17 no. 2 202-211 Mr-Ap '67.

Effect of excitation of the amygdala on conditioned al-
ternate motor reflexes during ontogeny in dogs.
N. M. Vavilova, Zhur. vyz. nerv. deiat. 17 no. 2 244-248 Mr-
Ap '67.

Effect of the frequency of rhythmic photic excitations
on the humoral composition of the reaction of tytilum
adaptation by the human brain.
V. A. Il'inskiy, Zhur. vyz.
nerv. deiat. 17 no. 2 304-312 Mr-Ap '67.

Letter to the editors.
G. V. Gerasimov, Zhur. vyz. nerv.
deiat. 17 no. 2 381-382 Mr-Ap '67.

Local prepotential, spreading impulse and closing of
temporal connection.
R. S. Mavkhina, Zhur. vyz.
nerv. deiat. 17 no. 2 213-220 Mr-Ap '67.

Mechanism of the development of conditioned inhibition
during ontogeny in dogs.
R. G. Zavalov, Zhur. vyz.
nerv. deiat. 17 no. 2 256-263 Mr-Ap '67

Qualitative characteristics of phase relations in dogs
with different properties of conditioned response
activity.
K. I. Gerasimova, V. A. Lavrentukov, Zhur. vyz.
nerv. deiat. 17 no. 2 362-364 Mr-Ap '67.

Reflex excitability of the respiratory center in the course
of defensive conditioned response.
R. A. Poyarkov,
Trudy Oren. otd. Vses. fiziol. ob-
va no. 3 160-169 '61

Role of defense excitation in the extinction of avoidance
reflexes.
N. G. Ivanova, Zhur. vyz. nerv. deiat. 17
no. 2 221-227 Mr-Ap '67.

Role of the anterior parts of the cerebral cortex in the
information integration in white rats.
A. S. Batuev,
Zhur. vyz. nerv. deiat. 17 no. 2 271-279 Mr-Ap '67.

Significance of the quality of reinforcement for condi-
tioned response activity.
I. P. Rudenko, Zhur. vyz.
nerv. deiat. 17 no. 2 261-270 Mr-Ap '67.

CONDUCT OF LIFE

About tact.
R. Nebos'ko, Part. zhizn' no. 7 72 Ap '67.

[Entering life. . .] Vstupaya v zhizn'. . . [Moskva, Molo-
daja gvardia, 1967] 125 p.

Sukhomlinskii, V. A. [Difficult fates] Trudnye sud'by.
Moskva, Znanie, 1967. 77 p. (Narodnyi universitet;
Pedagogicheskiy fakul'tet, 3)

Tradition? Lack of will? Split personality?
A. Chulkov,
Mol. komm. no. 3 82-83 '67.

CONDUCTOMETRIC ANALYSIS

Amperometric titration of calcium (IV) sulfate.
V. A. Prosenko, Zhur. neorg. khim. 12 no. 3 324-325 Mr
'67.

Kanter, V. M., and M. V. Kulakov. [Set of equipment for
potentiometric and titrimetric determinations of quali-
tative parameters] Komplekt oborudovaniia dlia po-
tentsiometricheskikh i titrimetricheskikh opredelenii
kachestvennykh parametrov. Moskva, GOSINTI, 1967.
12 p. (Peredovoi nauchno-tekhnicheskii proizvodstven-
nyi opyt)

Study of the reaction of vanadium with thiooxine (8-mer-
captoquinoline) by means of amperometric titration.
I. M. Pirova, O. A. Songina, Izv. AN Kazakh. SSR, Ser.
khim. 17 no. 2 33-37 Mr-Ap '67.

Thiooxines of pentavalent molybdenum, amperometric ti-
tration
V. I. Suprunovich, I. U. Usatenko, Khim.
tekhn. no. 1 27-31 '66.

Use of solid microelectrodes for amperometric titration
of nitrates in an anhydrous acetic acid medium.
A. P. Kreshkov, V. A. Bork, K. S. Sal'nikova, Zhur. anal. khim.
22 no. 2 224-228 F '67

CONFECTIONERY INDUSTRY

(see also subdivision under Ukraine)

CONFECTIONERY INDUSTRY—EQUIPMENT AND SUP- PLIES

Mechanization of the production of high-quality candies.
I. I. Puzolova, Khim. prom. no. 2 45-46 Mr-Ap '67

CONFECTIONERY INDUSTRY—MANAGEMENT

(see also subdivision under Moscow)

CONFORMAL MAPPING

Mathematical of an iterative process of conformal mappings
V. P. Filicheva, Dop. AN URSR, Ser. A 29 no. 4 330-
333 Ap '67

Numerical solution of two-dimensional problems in the
theory of elasticity
A. I. Kalandia, Zhur. vych. mat.
i mat. fiz. 7 no. 2 552-560 Mr-Ap '67

CONGLOMERATE

(see also subdivision under Transcarpathia)

Comparison of geology of foreign deposits of the Cam-
brian conglomerates by means of discrete mathematics.
I. P. Krenkelev, A. N. Dmitriev, I. U. Zhuravlev, Dokl.
AN SSSR 173 no. 5 1119-1152 Ap '67

CONGRESSES AND CONVENTIONS

[Bulletin of international scientific meetings, confer-
ences, and congresses] Bul. mezhdunar. nauch. i s'ezd.,
konf. i kongr. no. 4 '67.

CONGRUENCES (GEOMETRY)

A class of parabolic congruences in Euclidean space.
V. R. Khulin, Uch. zap. Lk. gos. ped. inst. no. 20 270-283
'61

CONIC SECTIONS

Inversion of a circle relative to an arbitrary conic section.
O. I. Molchan, Uch. zap. Lk. gos. ped. inst. no. 20 238-
243 '61.

Inversion of a straight line relative to an arbitrary conic
section
O. I. Molchan, Uch. zap. Lk. gos. ped. inst. no. 20 225-232 '61.

CONJUNCTIVA—BLOOD SUPPLY

Biomicroscopy of conjunctival vessels in early diagnosis
of corneal and other ophthalmic diseases.
A. D. Dobinskii, G. S.
Palamaruk, Zhur. nev. i psikh. 67 no. 4 510-521
'67

CONJUGATION (CHEMISTRY)

p- π -Conjugation and character of hybridization of the
atomic orbital of an unshared pair of electrons.
E. N. Tsvetkov, I. A. Buchva, M. I. Kabachnik, Tsvetl. i
eksp. khim. 3 no. 1 7-8 Ju-F '67.

Some regularities in the nuclear quadrupole resonance
frequency variations of Cl^{35} and reactivity in the series
of alkyl halides and acid chlorides.
A. A. Netmyshova
and others, Dokl. AN SSSR 173 no. 3 585-588 Mr '67.

CONNECTIVE TISSUES

Dynamics of changes in areolar tissue following endocrine
insufficiency.
D. S. Kurbanov, Uch. zap. AGU, Ser.
biol. nauk no. 4 27-33 '61.

Functional state of the connective tissue system in the
process of carcinogenesis under effect of dibazol.
O. E. Prilutskii, M. S. Smelkova, Vop. eksp. onk. no. 2
212-217 '66.

Reaction of the connective tissue system in rats with
Guérin's carcinoma following introduction of Benzopro-
CTPA and antitumoral cytotoxic serum.
L. I. Kononen-
ko, A. M. Podchernyay, Vop. eksp. onk. no. 2 217-
222 '66

CONODONTS

(see also subdivision under Udmurt A. S. S. R.)

CONSCIENCE

Substance of the category of conscience.
I. I. Revtsevskii,
Nauch. dokl. vyz. shkoly; filol. nauk 10 no. 2 65-70
'67.

CONSCIOUSNESS

Knowledge and consciousness.
M. Amirov, Nar. obr.
no. 1 81-93 Ap '67.

The science of psychology and consciousness.
K. Platonov
Mol. komm. no. 2 79-82 '67.

CONSERVATION OF NATURAL RESOURCES

The development of laws on the conservation of natural
resources.
N. Vedenin, Sots. zakon, no. 3 16-18
Mr '67.

CONSTRUCTION EQUIPMENT

Kanuka, N. S. [Basic trends in the development of the
overall mechanization of construction in the period 1961-
1980] Osnovnye napravleniya razvitiia kompleksnoi
mekhanizatsii stroitel'stva na 1961-1980 ggy. Kiev, 1962.
27 p. (Zaochnyi seminar "Kompleksnaya mekhanizatsiya
v stroitel'stve," tekstsila 1)

List of mollification machines manufactured in lots by
the plants of the Ministry of Construction Road and
Municipal Machinery Industry of the U. S. S. R.
Stroitel. dor. mash. 12 no. 3 12-13 Mr '67.

CONSTRUCTION EQUIPMENT (Continued)

The placing of equipment in open areas. L. Solov'yev, L. Shumakov, Nat. khoz. Nauch. 18 no. 11 65-67 N '66
Zhuravlev, M. I. [Equipment for the production of binding materials] Obozrudovaniye zavodov vlyazhushchikh materialov. Pod red. M. A. Sapozhnikova. Moskva, Vysshaya shkola, 1967, 263 p.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR see subdivision under Kuznetsk Basin

CONSTRUCTION EQUIPMENT—TESTING

High-speed durability tests of transmission units of construction and road machinery. A. I. Zolko, L. V. Gerasimov, Stroitel. mash. 12 no. 1, 11-13 Ap '67.

CONSTRUCTION EQUIPMENT—TRANSMISSION DEVICES

Using planetary transmissions in construction and road machines. D. P. Volkov, A. I. Krasov, Stroitel. mash. 12 no. 3 7-11 Mi '67.

CONSTRUCTION EQUIPMENT INDUSTRY see subdivision under Kemerovo

CONSTRUCTION INDUSTRY

(see also subdivision under Golodnaya Steppe; Kazakhstan; Mongolia; Uzbekistan)

Galkin, I. F. [Automatic control system in construction, practice of Glavzapstroil] Avtomatizirovannaya sistema upravleniya stroitel'stвом, opyt Glavzapstroil. Leningrad, (Leningradskii dom nauchno-tekhnicheskoi i pedagog. biblioteki) "Avtomatizirovannaya sistema upravleniya stroitel'stвом" No. 4. Smolensk, N. A., ed. 1966, 21 p.

Hidden potentialities of major construction projects. Y. L. Mel'dichman, Kommunist 11 no. 7, 60-69 Mi '67.

In the State Committee on Construction of the R.S.F.S.R. Na stroit. Ross. 5 no. 1, 31-41 Ja '67.

A question of questions. V. Viktorov, Agitator no. 1 19-50 Ja '62.

CONSTRUCTION INDUSTRY—ACCOUNTING see subdivision under Moscow

CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Moscow

CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Kazakhstan)
Molchanov, A. N., ed. [Financial work in contracting construction organizations] Finansovaya rabota v podriadnykh stroitel'nykh organizatsiyakh. [By] M. Kh. Lapidus i dr., Leningrad, Stroizdat, 1966, 270 p.

Nemchinskii, A. B. [Efficiency of capital investments into enterprises and operating units of the construction industry] Effektivnost' kapital'nykh vložhenii v predpriyatiya i khoz. tsel'skiye stroitel'noi industrii. Moskva, Ekonomika, 1967, 166 p.

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY see subdivision under Leningradsk

CONSTRUCTION INDUSTRY—MANAGEMENT

The most important factor in the growth of labor productivity in construction. N. Khilov, Stroitel. 12 no. 5 15-19 Mi '67.

CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS (see also subdivision under Pyatigorsk)

Moskva, I. I. [The construction of large-panel residential buildings using standard designs in series 1-404 A of improved layout] Sbornik lipovnykh kal'nikatsii zdat'nykh i zashchitnykh planov na stroitel'stvo kuponnykh i yadnykh zhilykh domov po lipovym proektam seri 1-404 A ukhshennoi planirovki. Moskva, Suoizdat, 1966 119 p.

CONSTRUCTION INDUSTRY—SCHEDULING

Determining dates for the delivery of equipment on the basis of network schedule graphs. V. Lebedev and others, Mat.-tekh. snab. 2 no. 4, 72-77 Ap '67.

Leikind, Yu. R., and B. P. Suvorov. [Method of network planning and management] Metod selevogo planirovaniya i upravleniya. Moskva, Ekonomika, 1965, 78 p. (Dlia zaniatii v vysshem zveno politicheskogo obrazovaniya, 2)

CONSUMPTION (ECONOMICS) (see also subdivision under Siberia, Western; United States)

Akademii nauk SSSR, Tsentral'nyi ekonomiko-matematicheskii institut. [Statistical study of demand and consumption] Statisticheskoe issledovanie spros i potrebleniya. Moskva, Nauka, 1966, 257 p. (DRC)

CONSUMPTION (ECONOMICS)—STATISTICS

Differentiated balance of incomes and consumption of the population as an instrument of planning prospectus. V. P. Mater, Vest Akad. nauch. i tekhn. 22 no. 2 31-37 Mi-Ap '67.

CONTAINER INDUSTRY see subdivision under Ukraine

CONTENT ANALYSIS (COMMUNICATION)

A "content dictionary" as a means of studying the understandability of oral propositions, a study in applied sociology. S. G. Vershlovskii and others, Nauch. dokl. vshch. shkoly, filoz. nauki 10 no. 2 40-57 '67.

CONTINUED FRACTIONS see Fractions, Continued

CONTINUOUS CASTING

Monitor for the uniform sprinkling of water on continuous steel casting installations. M. V. Bruchman, L. V. Shumakov, Stroitel. mash. 20 no. 5 116-119 Mi '66.

Castling of square small cross-section ingots on UNRS (equipment for continuous casting of steel) equipment with multiple grooves. V. B. Gorysh and others, Stroitel. mash. 20 no. 3 221-223 Mi-Ap '67.

Development of continuous casting of aluminum in capitalist countries. V. E. Prikhodko, TSU, tekhn. 31 no. 7 90-103 Ji '61.

CONTINUOUS CASTING—EQUIPMENT AND SUPPLIES

Influence of the location of radial ingot molds on UNRS equipment (equipment for continuous casting of steel) on the quality of ingots. P. G. Shumakov, P. E. Efremov, G. P. Komarov, Stroitel. mash. 20 no. 3 224-225 Mi '67.

CONTINUOUS FUNCTIONS see Functions, Continuous

CONTRACTS

Developing direct and lasting business ties among enterprises. Commercial contracts in supply and delivery. E. Khutsid, Mat.-tekh. snab. 2 no. 1 81-85 Ap '67.

CONTRACTS, AGRICULTURAL

Problems of liability in the contractual relations of collective farms. V. D. Zhukov, Rad. prav. 12 62-64 Ap '67.

CONTRACTURE

Prevention and treatment of postburn electrical contractures. V. S. Oglenko, Voen.-med. zhur. no. 4 33-38 Ap '67.

CONTROLLED FUSION

Applying a distributed system of automatic control for the stabilization of plasma objects. B. S. Pashkevich, M. P. Yankovskiy, Zhur. tekhn. fiz. 37 no. 5 981-983 Mi '67.

CONTROLLERSHIP, COMMUNIST see Auditing and Inspection

CONVERGENCE

Linear transformations of unbounded complex sequences. I. I. Volkov, Dokl. AN SSSR 173 no. 5 195-198 Mi '67.
Nonabsolute convergence of some types of double series. V. P. Bunachenko, Dop. AN URSS, Ser. A 20 no. 4, 289-291 Ap '67.

CONVERTERS—DESIGN AND CONSTRUCTION

Nepshin, A. V. [Resin-bonded dolomite refractories for use in converters] Konvertornyye smolebetsolnitoznye ogneupory. Moskva, Metallizdat, 1967, 123 p.

CONVERTERS—EQUIPMENT AND SUPPLIES

Improving the design of steel-pouring ladles. N. G. Zarubina, N. M. Utkov, N. G. Braginets, Stroitel. mash. 20 no. 3 227-229 Mi '67.

Slag formation during steel smelting from carbon pig-iron in 100-ton converters. A. P. Potomayev and others, Stroitel. mash. 20 no. 3 216-218 Mi '67.

CONVEX BODIES

Relationships between problems of covering and illumination of convex bodies. P. S. Soltan, Izv. AN Mold. SSR no. 4 91-93 '66.

CONVEYING MACHINERY

Belt conveyor. Sh. S. Zaitdinov, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 4 39-40 Ap '67.

Changing the design of the TPT-48M conveyor. E. Kozhar, Avt. transp. 45 no. 4 58-60 Ap '67.

Improved design of the pushing-pin of a conveyor. G. Fasola, L. Smitnov, Mas. i met. SSSR 38 no. 4 19 Ap '67.

KDT hydraulic support sets. A. P. Beklanov, Mash. i obr. dila mekh. i avtomatiz. trud. pri o. v. ugol' priom no. 3 7-10 '66.

Mechanical loading conveyor. L. L. Knava, Feim. i sp. i. prom. 33 no. 3 31-32 '67.

Monorail conveying systems with addressing of freight. I. L. Znamenskii, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 4 41 '67.

Monorail conveying with automatic addressing. P. A. Avanesov, B. A. Budovskii, Mekh. i avtom. prozv. 21 no. 4 14-16 '67.

Optimum parameters for the motion law of the tray of a horizontal vibrating conveyor. N. G. Kopylov, Izv. v. uch. z. v. mashinost. no. 1 104-108 '67.

Pneumatic conveying of tablets in trays. V. K. Bitnikov, Mekh. i avtom. prozv. 21 no. 4 16-18 '67.

Scientific and technical problems of the dynamics of resonance-type vibrators. N. S. Poltavov and others, Vop. rad. transp. no. 9 5-9 '65.

Unit for vertical conveying of finished and semifinished products. F. M. Plekhanov, Tekst. prom. 27 no. 2 73-74 P '67.

CONVEYING MACHINERY—DESIGN AND CONSTRUCTION (see also subdivision under Daniels Basin)

Analyzing methods of joining ends of tubular rollers. R. I. Chernov, N. I. Makovets, Vop. mekh. i ugol' shakht. 7 259-265 '66.

AUX-107M equipment complex. L. S. Kopylov, Mash. i obr. dila mekh. i avtomatiz. trud. pri o. v. ugol' priom no. 3 52-63 '66.

Calculating bearing assemblies of belt conveyors. P. N. Vysochin, I. A. Shipilov, Vop. rad. transp. 133-139 '65.

Certain shortcomings in modern calculations of belt conveyors. N. A. Bitchenko, Vop. rad. transp. 42-17 '65.

Machine units for conveying long material. L. S. Kopylov, Mash. i obr. dila mekh. i avtomatiz. trud. pri o. v. ugol' priom no. 3 52-63 '66.

Ships in starting belt conveyors. V. L. Fedorov, Vop. rad. transp. no. 9 18-54 '65.

CONVEYING MACHINERY—DYNAMICS

Calculating the dynamics of scraper conveyors. A. I. Smirnov, V. P. Krot, Vop. rad. transp. no. 9 18-54 '65.

Determining zones of existing conditions in belt conveyors. B. I. Kiklov, N. G. Novikov, Vop. rad. transp. no. 9 32-37 '65.

Dynamics of resonance vibrating conveyors with essentially nonlinear characteristics of the shaft plunges. B. I. Kiklov, Vop. rad. transp. no. 9 32-37 '65.

CONVEYING MACHINERY—EQUIPMENT AND SUPPLIES

Investigating physicochemical properties of the coating of conveyor belts. I. G. Bilan, R. A. Potomayev, V. A. Kovalenko, Vop. rad. transp. no. 9 32-37 '65.

Strength of the bond between layers of rubberized conveyor belts. I. G. Bilan, R. A. Potomayev, Vop. rad. transp. no. 9 62-72 '65.

CONVEYING MACHINERY—PARTS

Improving the production of chutes at "Anzhar" Machine Manufacturing Plant. V. D. D'elov, Tekhn. i Mash. no. 1 95-106 '67.

Minimum changes in the area of a helical band transforming it into a helical band. V. I. Kiklov, Prikl. mekh. 3 no. 1 134-138 Ap '67.

CONVEYING MACHINERY—RELIABILITY

Reliability of the system of belt conveyors on the 1000-2 rotary equipment complexes. A. M. Belotserkovskii, Vop. rad. transp. no. 9 32-37 '65.

CONVEYING MACHINERY—SHOCK ABSORBERS

Determining the rigidity and energy dissipation of pneumatic buffers of vibrating conveyors. V. N. Potomayev, V. P. Franchuk, Vop. rad. transp. 21-32 '65.

CONVEYING MACHINERY—SPEED

Applying a method of determining average speed of vibrating conveying of bulk material. B. I. Kiklov, Zhi D. Mazina, Vop. rad. transp. 37-41 '65.

CONVEYING MACHINERY—TESTING

Stand for testing sets of devices of overhead conveyors. Yu. D. Stetsin, Mekh. i avtomatiz. trud. pri o. v. ugol' priom no. 4 18-19 '67.

Tractive capacity of driving drums of hand conveyors at low temperatures. A. A. Vainsou, P. N. Vysochin, Stroitel. mash. 12 no. 4 31-33 Ap '67.

CONVOLUTIONS (MATHEMATICS)

Some properties of convolutions of infinite matrices. D. A. Kogan, Mat. zap. Ural. mal. o. v. i. fiz. 52-58 '65.

Summability of Fourier series by convolution of infinite matrices. D. A. Kogan, Mat. zap. Ural. mal. o. v. i. fiz. 5 no. 2 59-65 '65.

COOKERY (PORK)

Volkovskaya, S. E., and K. G. Dunsova. [Dishes of pork] Blyuda iz svini. [Izd. 2., izm. i dop.]. Moskva, Tekhnika, 1966, 94 p. (Biblioteka povaia)

COOKERY, BULGARIAN

Cholcheva, P. I. [Modern Bulgarian cookery. Translated from the Bulgarian] Sovremennaya bolgarskaya kuhnya. Pod red. N. V. Grigor'ev, Sofia, Tekhnika, 1966, 598 p.

COOLING TOWERS—DESIGN AND CONSTRUCTION

How to construct long-lasting reinforced concrete towers. V. Medvedev, M. Kapkin, Nauch. i tekhn. inform. 20 no. 1 24-25 Ja '64.

COOLING TOWERS—WATERPROOFING

Methods of waterproofing cooling towers. S. L. Pashkevich, N. P. Kozlovskii, V. Safonchik, Nauch. i tekhn. inform. 20 no. 1 25-27 Ja '64.

COOPERATIVE SOCIETIES

Lekhova, Z. N. [Planning for the turnover of goods in consumers' cooperatives] Planirovaniye lovarov i razvitiya potrebitel'skoi kooperatsii. Moskva, Ekonomika, 1966, 199 p.

... of the process of destruction of cotton cellulose during rolling. A.R. Abdullhanov, IU L. Pogosov, K.S. Khimich. Gidroliz i le-otom, prom. 20 no 3 18-19 '67.

COTTON—DISEASES AND PESTS
Help given. L.V. Ovodov, Zashch. rast. 12 no, 4-60 '67.

COTTON—FERTILIZERS AND MANURES
(see also subdivision under Aryst-Turkestan Canal region, Azerbaijan; Golodnya Steppe; Soviet Central Asia, Tajikistan)
Characteristics of the mineral nutrition of cotton in different growing soils. I.M. Dzhumayeva, Agroklimat. 13, 4-69-73 Ap '67.

COTTON—IRRIGATION
(see also subdivision under Soviet Central Asia)
Akademii nauk Uzbekskoi SSR, Otdelenie khimiko-tekhnologicheskikh i biologicheskikh nauk [Basic principles of the intensification and chemicalization of cotton growing on irrigated lands] Osnovy intensifikatsii i khimizatsii sel'skokhoziaistvennogo proizvodstva v orosheniom khlopkovodstve, Tashkent, Nauka UzSSR, 1965, 483 p. (DNAL)

COTTON COMBING see subdivision under Kalinin

COTTON GINS AND GINNING
Continuous noncontact regulation during the transition conditions of ginning process. A.D. Grober, Mekh. i avtom. protsv. 21 no, 4, 22-25 '67.

COTTON GROWING
(see also subdivision under Tajikistan, Tashkent Province; Uzbekistan, Zeravshan Valley)
Akademii nauk Uzbekskoi SSR, Otdelenie khimiko-tekhnologicheskikh i biologicheskikh nauk [Basic principles of the intensification and chemicalization of cotton growing on irrigated lands] Osnovy intensifikatsii i khimizatsii sel'skokhoziaistvennogo proizvodstva v orosheniom khlopkovodstve, Tashkent, Nauka UzSSR, 1965, 483 p. (DNAL)
Role of Uzbekistan's cooperative cotton growing in the billing of socialism. E.Kh. Erzlin, Trudy TashGU no 287 30-37 '66.

COTTON GROWING—CONGRESSES
...
... means and methods of cotton growing, materials of a session] Kompleksnoe razvitiye tekhniki i tekhnologii khlopkovodstva; materialy zasedaniya. Kirovabad, 1965, 141 p. (CU)

COTTON MACHINERY
Feed adjusting in single-process pickers. L.I. Karpov, Tekst. prom. 27 no 4 33-35 Ap '67.

COTTON MACHINERY—ELECTRIC DRIVING
Automatic drive of "Kotton" machines and possibilities for their modernization. A. Bolozhan, S. Khinchin, Izv. Prom. Arm. 10 no, 3, 44-45 '67.

COTTON MANUFACTURE
Specialization of mills processing low-quality cotton. K.A. Voronin, Tekst. prom. 27 no, 2, 6-7 F '67.
Use of machine-harvested cotton. S.A. Pekarskiy, Tekst. prom. 27 no, 2, 8-9 F '67.

COTTON MANUFACTURE—SAFETY MEASURES
Mironov, I.A. [Labor protection in the cotton industry; in spinning, twisting, and weaving operations] Otkrana truda v khlopchatobumazhnoi promyshlennosti; priklad'naya, krutit'naya i tkatskaya proizvodstvennaya. Moskva, Legkaya Industriya, 1967, 313 p.

COTTON-PICKING MACHINERY see subdivision under Turkmenistan

COTTON SPINNING—EQUIPMENT AND SUPPLIES
Study of the deformation properties of rubber coatings of the pressers of cotton-spinning machines. G.A. TSar'kov, Nauch.-issl. trudy TSNIMashdetal' no, 9, 24-33 '64.
Study of the electrostatic effect of rubber coatings of the upper pressers of cotton-spinning machines. G.A. TSar'kov, Nauch.-issl. trudy TSNIMashdetal' no 9; 3-14 '64.
Study of the gripping properties of rubber coatings of the pressers of cotton-spinning machines. G.A. TSar'kov, Nauch.-issl. trudy TSNIMashdetal' no, 9, 33-42 '64.
Study of the surface roughness of rubber coatings of the upper pressers of cotton-spinning machines. G.A. TSar'kov, Nauch.-issl. trudy TSNIMashdetal' no, 9; 14-24 '64.

COTTON WILT
(see also subdivision under Samarkand Province)
Sorbic acid as an inhibitor of the Fusarium vasinfectum fungus causing cotton wilt. N.P. Oshanina, K.E. Ovcharov, Fiziol. rast. 14 no, 2, 276-281 Mr-Apr '67.

COTTONSEED
"Cossifolin," a new pigment from cottonseed. E.F. Manevich, A.I. Ismailov, A.S. Sadykov, Nauch. trudy TashGU no. 286 Khim. nauki no. 16 10-14 '66.

Improved method of determining gonapop in various cotton organs. A.S. Sadykov and others. Nauch. trudy TashGU no. 286 Khim. nauki no. 16 5-9 '66.

COTTONSEED MEAL
Fattening cattle on cottonseed feeds. A.A. Ismailov, Trudy UzNIIZH no 4 13-14 '69.

COTTONSEED OIL
Hydrogenation with simultaneous transesterification of cottonseed oil on skeletal nickel catalysts. A.I. Akhova, D.V. Sokol'skiy, Izv. AN Kazakh. SSR no 17 no 13-18 Mr-Apr '67.

COULOMB FUNCTIONS
Coulomb interaction theory. I.I. Tugov, Izv. fiz. no. 3, 616-621 Mr '67.

COUMARINS
Accumulation dynamics of coumarin compounds in essential oils in Arctostaphylos uva-ursi L. at different stages of their development. M.A. Bityayeva, G.A. Dombova, Trudy Bot. inst. no. 12 14-16 '65.
Biological properties and pharmacological effect of coumarins and furcoumarins. I.A. Fikhtel'berg, Trudy Bot. inst. no. 5 no, 12 15-18 '65.
Coumarin content in various species of the genus Ummellifera. M.G. Plunin, Trudy Bot. inst. no. 5 no 12, 71-75 '65.
Coumarins from Ferula plants. N.P. Fikhtel'berg, Trudy Bot. inst. no. 5 no, 12 19-22 '65.
Coumarins and furcoumarins in plants. I.A. Fikhtel'berg, Trudy Bot. inst. no. 5 no, 12 19-22 '65.
Coumarins and furcoumarins in the Pharmacopoeia of the USSR, roots, stalks, and leaves. G.A. Fikhtel'berg, Trudy Bot. inst. no. 5 no, 12 19-22 '65.
Coumarins in roots of Heracleum mantegazzianum et L. and Heracleum dissectum Labed. N.P. Fikhtel'berg, V.P. Chernobai, D.G. Kolenikov, Trudy Bot. inst. no. 5 no 12 58-60 '65.
Pyran, its analogs, and related compounds. Part I. Reaction of in coumarin in vitro and in vivo. A. S. Sadykov and others, Zhur. org. khim. 1 no 1 1-11 Mr '67.
Study of coumarins in some plants of the genus Ferula. D.G. Kolenikov, Trudy Bot. inst. no 12 66-70 '65.

COUMARINS—PHYSIOLOGICAL EFFECT
Effect of coumarin on Pancreas effect and content of macroergic phosphorus compounds in the liver of rats. In frogs. I.A. Zaidler, H.A. Baitukala, Trudy Bot. inst. no. 2 195-198 Mr-Apr '67.

COUMARINS—THERAPEUTIC USE
Use of coumarins in radiation sickness caused by the action of 210. S.M. Mikhailovich, V.V. Danilov, Trudy Bot. inst. no. 2 37 Mr-Apr '67.

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE
Mutual Economic Assistance Council

COUPLING REACTIONS
Photometric determination of phosphorus by diazocoupling with oxyphosphonium phosphomolybdate. A.I. Babko, IU F. Shkharvakiy, I.M. Fomchikov, Trudy Bot. inst. no. 13 107-101 '67.

COURTS
(see also subdivision under Athens; Tashkent Province)
Analysing the letters of people's assessments. G. G. 31 no, 7, 35-16 Ap '67.
Committees of people's assessments as a form of public participation in crime prevention. M. P. 10, 30, zakon, no. 3, 63-64 Mr '67.
The first tribunal in Petrograd (to be concluded). F. Kamenskii, Sots. zakon, no. 4, 70-21 Ap '67.
History of the preparation of a decree. R. Ashkharov, Sov. iust. 31 no, 8, 17-18 Ap '67.
Let us improve the organization and procedure of work of town sessions. A. Chikov, Sov. iust. 31 no, 7 13 Ap '67.
People's assessments of Soviet people's courts. G. G. zakon, no. 4, 5-8 Mr '67.
Reminiscences. M. Kozlovskii, Sots. zakon, no. 4, 17-21 Ap '67.
Well organized procedure and observance of laws and "Leninist style" of the work of our courts. G. G. zakon, no. 4, 12-16 Ap '67.

COURTS—OFFICIALS AND EMPLOYEES
Improving the organization of the court employees' work. B. Amosov, Sots. zakon, no. 3, 57-58 Mr '67.

COW PARSNIP
Coumarins in roots of Heracleum mantegazzianum et L. and Heracleum dissectum Labed. N.P. Fikhtel'berg, V.P. Chernobai, D.G. Kolenikov, Trudy Bot. inst. no. 5 no, 12 58-60 '65.
Study of furcoumarins in Heracleum mantegazzianum et L. V.G. Kiselev, V.S. Sokolov, Trudy Bot. inst. no. 5 no, 12 61-65 '65.

COWS
(see also subdivision under Uzbekistan)
Effect of the nervous system on the implantation and development of fetuses in cows. I.I. Anovskii, Trudy UzNIIZH no. 4, 101-107 '69.

COSTS—INDUSTRIAL
... of the production of materials per production ... of technological progress. P. B. 10, 30, zakon, no. 3, 63-64 Mr '67.
... up planning for production costs. A. Kirasirov, Izv. Prom. Arm. 10 no, 3, 44-45 '67.

COSTUME DESIGN
... of the creative clothing design is a great ... for the increase of labor productivity. P. B. 10, 30, zakon, no. 3, 63-64 Mr-Apr '67.

COTTON
... of the cotton leaves. E.P. Buzitskova, Nauch. trudy TashGU no 286 Khim. nauki no. 16 10-14 '66.
Study of the wax part of cotton fiber. Kh.I. Isaev, A.I. Ismailov, A.S. Sadykov, Nauch. trudy TashGU no 286 Khim. nauki no. 16 10-14 '66.
Study of the wax part of cotton fiber. Kh.I. Isaev, A.I. Ismailov, A.S. Sadykov, Nauch. trudy TashGU no 286 Khim. nauki no. 16 10-14 '66.
Study of the wax part of cotton fiber. Kh.I. Isaev, A.I. Ismailov, A.S. Sadykov, Nauch. trudy TashGU no 286 Khim. nauki no. 16 10-14 '66.

COXSACKIE VIRUSES

Virological and cytological study of Cocksackie virus effect on tissue culture cells I. S. Turchyn, V. M. Bylin. Mikrobiol. zhurn. 29 no 2 139-146 Mh-Apr '67.

COYPU

Economic effectiveness of semiwild maintenance of coypus B. D. Kilatis. Trudy Moskv. vet. akad. 16 22-29 '67.

Seasonal changes in metabolism and live weight in adult coypus V. F. Kladovshchikov. Trudy Moskv. vet. akad. 16 125-140 '67.

Structure of digestive tract and digestibility indicators in coypus V. F. Kladovshchikov. Trudy Moskv. vet. akad. 16 116-124 '67.

CRABS see subdivision under Kamchatka

CRACKING PROCESS

(see also subdivision under Didi Lilo, Georgia)

Algorithm of the control of the platforming process. R. A. Bel'tsov, Khim. i tekhn. opl. i masht. 12 no. 4 31-32 Ap '67.

Equilibrium of the reactions of cracking of 2-methyl-2-pentene. M. E. Basser and others. Khim. prom. 43 no. 5 25-27 My '67.

Interaction of group components during coking. M. E. Levintse and others. Khim. i tekhn. opl. i masht. 12 no. 4 20-22 Ap '67.

Mechanism and kinetics of thermal cracking in liquid phase. R. Z. Magrit, Izv. vyz. uchob. zav., nefi i gaz 10 no. 2 67-71 '67.

CRACKING PROCESS—MATHEMATICAL MODELS

Mathematical description of the performance of reactors for catalytic reforming. I. U. A. Alekseev, N. P. Melnikova, Khim. i tekhn. opl. i masht. 12 no. 4 28-30 Ap '67.

CRANE FLIES, FOSSIL see subdivision under Baltic Sea

CRANES, DERRICKS, ETC.

Automatic synchronization of the motion of braces of gantry cranes. A. A. Kuznetsov, Stroitel. i dor. mash. 12 no. 3 17-18 Mi '67.

Consultation Bezop. truda v prom. 11 no. 3 52-53 My '67.

Gantries should conform with the load lifting capacity of cranes. I. M. Leuter, A. Koshumov. Bezop. truda v prom. 11 no. 1 26-27 Ap '67.

Letter to our readers. Bezop. truda v prom. 10 no. 10 56-57 O '66.

Modern construction gantry cranes. I. I. Abramovlev, Stroitel. i dor. mash. 12 no. 4 29-31 Ap '67.

Placement of apparatus for operating cranes. V. M. Moiseyev, A. V. Rudik. Bezop. truda v prom. 10 no. 4 16-17 Ap '66.

Track-mounted crane work without accidents. I. A. Melnikova, Bezop. truda v prom. 11 no. 1 36-37 Ap '67.

CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION

Reducing the weight of crane structures. A. G. Lysakov, Stroitel. i dor. mash. 12 no. 3 18-22 Mi '67.

CRANES, DERRICKS, ETC.—PARTS

Extension mechanism for telescopic towers of foreign cranes. I. A. E. Sigal, Stroitel. i dor. mash. 12 no. 3 22-23 Mi '67.

Stability of crane booms reinforced with sheets. O. F. Uvarov, Stroitel. i dor. mash. 12 no. 3 24-25 Mi '67.

CRANES, DERRICKS, ETC.—RELIABILITY

Reliability of electric bridge cranes with loading electro-magnets. I. U. S. Postolnikov and others. Bezop. truda v prom. 10 no. 10 19-20 O '66.

CRANES, DERRICKS, ETC.—SAFETY MEASURES

Conference on the safe operation of objects controlled by the boiler State inspection for steam boilers and heat installations. V. L. Vekshin, Bezop. truda v prom. 10 no. 10 62 O '66.

Consultation. Bezop. truda v prom. 10 no. 4 58-60 Ap '66.

Prevent deficiencies in the construction of cranes. N. B. Ostrovskii, R. I. Skoblikov, Bezop. truda v prom. 11 no. 5 20-21 My '67.

System preventing the breaking of trolley wires. M. V. Smirnov, Energetik 15 no. 3 132 Mi '67.

Ways of preventing the falling of hoisting devices from the opening of the hook. I. E. Khilov, K. S. Kolesnikov, Bezop. truda v prom. 10 no. 4 13-15 Ap '66.

CRANES, DERRICKS, ETC.—TESTING

Physical methods of testing parts of the mechanisms and metallic structures of cranes. A. D. Filatov and others. Bezop. truda v prom. 11 no. 5 40-47 My '67.

CRANKS AND CRANKSHAFTS

Strengthening crankshafts. N. M. Savvina, Mashinostroitel. no. 4 7-8 Ap '67.

CREASE-RESISTANT FABRICS see subdivision under Tashkent

CREDIT

(see also subdivision under Uzbekistan)

Kompanets, E. S., and E. G. Polonskii. [Applying the legislation on issuing bonuses and settling accounts] Primenenie zakonodatel'stva o kreditovani i raschetakh. Moskva, Izd. III-1a, 1967. 237 p.

CREEP OF ALUMINUM

Change in the mosaic structure of aluminum in creep. M. M. Mshahnev. Fiz. tverd. tela 9 no. 1 1203-1208 Ap '67.

CREEP OF CONCRETE

Creep of keramzit concrete. R. F. Medvedevskii. Trudy GIP [Gruz.] no. 2 205-206 '61.

CREPE PAPER

New dressing materials made of waterproof crepe paper. Z. V. Mikhaleva. Khirurgia 43 no. 4 132-134 Ap '67.

CRESOL

Aalkylation of aromatic compounds by diene hydrocarbons and their chlorides. Part 11. α , γ -dimethylallylation of cresols and their ethers by piperylene in the presence of anhydrous orthophosphoric acid. E. A. Vdovitsova, V. G. Kakhlov, V. V. Moseev. Zhurn. org. khim. 3 no. 4 701-703 Ap '67.

Chromatographic determination of tonal in the cresol fraction alkylated by isobutylene. N. A. Kudriavtseva and others. Khim. i tekhn. opl. i masht. 12 no. 1 53-56 Ap '67.

Synthesis of 2,2-thio-bis-(6- α -methylbenzyl-n-cresol). T. A. Rodnikova and others. Khim. prom. 13 no. 2 18-19 I '67.

CRIME AND CRIMINALS

(see also subdivision under Kazakhstan)

When people try not to be involved. O. Mezlin. Rad. pravo no. 4 71-72 Ap '67.

CRIME PREVENTION

(see also subdivision under Bryansk; Cherkassy Province; Crimea)

Work experience of a district party committee in the prevention of juvenile delinquency. F. D. Lashenko. Sots. zakon. no. 3 27-28 Mi '67.

CRIMEA—ANTIQUITIES

Edge tools of the Levallais and pseudo-Levallais type in the Crimea and their functional purpose. I. U. I. Kolesov. Arkheologiya 20:8-14 '66.

CRIMEA—BEETLES

New species of the genus *Hypera* Germ. (Coleoptera, Curculionidae) from Crimean mountains. V. A. Zaslavskii. Ent. obozr. 46 no. 1 231-240 '67.

CRIMEA—BOOKSELLERS AND BOOKSELLING

Books for sale on commission. N. Berber. Knizh. targ. 18 no. 4 20 Ap '67.

CRIMEA—CRIME PREVENTION

We try to prevent criminal offenses. N. I. Obachev. Sots. zakon. no. 3 55 Mi '67.

CRIMEA—GEOLOGY

Lebedevskii, V. I. [With the prospecting hammer through the Crimea] S. geologicheskii molotkom po Krymu. Moskva, Nedra, 1967. 213 p.

CRIMEA—GEOLOGY, STRATIGRAPHIC

Mendian sediments of Michurinsk. D. I. I. Makarenko. Dop. AN USSR no. 1 72-74 '61.

CRIMEA—POTTERY, SCYTHIAN

Plastic pottery from the ancient settlement of Almak-Keren. T. M. Vysotska. Arkheologiya 20:105-105 '66.

CRIMEA—RICE

Rice as our new crop. I. Kas'ianov. Zerk. i masht. kul't. 2 no. 5 23-25 '67.

CRIMEA—SCALE INSECTS

Geographical characteristics of scale insects (Insecta, Homoptera, Coccidae) of Crimea. I. I. M. Perezhnykova. Dop. AN USSR, Ser. B 29 no. 5 173-178 My '67.

CRIMEA—SEASIDE RESORTS

The Crimean resorts. B. Potanov, N. Novikov. Okhr. truda i sots. strakh. 10 no. 5 14-15 My '67.

CRIMEA—SOILS—MANGANESE CONTENT

Variation of the content of available manganese and zinc in carbonate rich Chernozem in the Crimea. N. G. Zyrin, V. D. Simonov. Agrokhimia no. 5 96-98 My '67.

CRIMEA—SOILS—ZINC CONTENT

Variation of the content of available manganese and zinc in carbonate rich Chernozem in the Crimea. N. G. Zyrin, V. D. Simonov. Agrokhimia no. 5 96-98 My '67.

CRIMEA—VOLCANIC ASH, TUFF, ETC.

Fossil lahar at Karadag and some characteristics of the structure of Kok-Kya Masut (eastern Crimea). V. I. Lededinskii, A. I. Shalimov. Dokl. AN SSSR 172 no. 6 1405-1408 F '67.

CRIMEAN MOUNTAINS—CONCRETIONS

Diagenetic concretions in Albian sediments of Crimean Mountains. V. A. Suprychov. Dop. AN USSR, Ser. B 29 no. 1 323-326 Ap '67.

CRIMEAN MOUNTAINS—IRON SULFIDES

Pseudomorphoses of jarosite based on Malkop iron sulfides of Crimean Mountains. I. P. Gorbach, V. A. Suprychov, V. V. Shekhotkin. Dokl. AN SSSR 173 no. 2 413-416 Mi '67.

CRIMEAN MOUNTAINS—JAROSITE

Pseudomorphoses of jarosite based on Malkop iron sulfides of Crimean Mountains. I. P. Gorbach, V. A. Suprychov, V. V. Shekhotkin. Dokl. AN SSSR 173 no. 2 413-416 Mi '67.

CRIMEAN MOUNTAINS—KARST

Characteristics of karst and associated relief forms of the plateau of the Crimean Mountains. S. M. Zengina, V. P. Meloshin. Izv. Vses. geog. ob-va 99 no. 2 151-155 Mi-Apr '67.

CRIMEAN MOUNTAINS—LIMESTONE—ANALYSIS

Limestone with ferruginous nodules in central part of northern slope of Crimean Mountains. I. U. S. I. Lebedev, I. U. O. Polkanov, R. I. Sizova. Dop. AN USSR, Ser. B 29 no. 3 406-409 My '67.

CRIMEAN MOUNTAINS—OOLITE

Limestone with ferruginous nodules in central part of northern slope of Crimean Mountains. I. U. S. I. Lebedev, I. U. O. Polkanov, R. I. Sizova. Dop. AN USSR, Ser. B 29 no. 3 406-409 My '67.

CRIMINAL INVESTIGATION

(see also subdivision under Ukraine)

Black shadows. Les' Stepanuk. Rad. pravo no. 4 48-50 Ap '67.

Characteristics of the investigation of disorderly conduct cases. O. Soloviy. Rad. pravo no. 4 41-45 Ap '67.

Little discrepancy. V. Chikil. Sots. zakon. no. 4 67-69 Ap '67.

Reenactment of the situation and circumstances of a criminal offense helped to establish who was the murderer. O. Badchikov. Rad. pravo. no. 4 46-47 Ap '67.

Technology in the service of criminal investigation. Sots. zakon. no. 1 57-59 Ap '67.

Viktor Nernanov investigated a criminal offense. N. Demchenko, S. Lev. Sots. zakon. no. 1 46-49 Ap '67.

You can twist a rope in every possible way... M. Sevidova. Sots. zakon. no. 4 62-66 Ap '67.

CRIMINAL INVESTIGATORS see subdivision under Khabardha-Bakur A. S. S. R.

CRIMINAL JUSTICE, ADMINISTRATION OF

(see also subdivision under Estonia; Kazakhstan)

Committees of people's assessors in a form of public participation in crime prevention. M. Ponedelkov. Sots. zakon. no. 3 53-54 Mi '67.

Good results of an inspection depend on its quality. G. Gol'fat. Sots. zakon. no. 3 39-42 Mi '67.

In the public prosecution offices and supreme courts of the Union Republics. Sots. zakon. no. 3 92 Mi '67.

CRIMINAL LAW

Determination of unpunished criminal offenses. A. Kuznetsov. Sov. iust. 31 no. 7 22-23 Ap '67.

General principles of legal responsibility in Soviet society. M. K. Pankushin. Sov. gos. i pravo no. 5 116-120 My '67.

Ivanov, V. N. [Criminal laws protect the basic rights of citizens] Ugolovnopravovaya okhrana osnovnykh prav grazhdan. Moskva, Izd. III-1a, 1967. 134 p.

CRIMINAL OMISSION see Omission, Criminal

CRIMINAL PROCEDURE

(see also subdivision under Ukraine)

The activity and objectivity of judges. G. Anashkin. Sov. iust. 31 no. 7 3-4 Ap '67.

Controversial problems in the consideration of indictments. S. Radzhabov, V. Panteleev. Sots. zakon. no. 3 35-30 Mi '67.

Procedural problems arising during the trial of criminal cases by reason of newly discovered circumstances. A. Koblikov. Sov. iust. 31 no. 8 12-13 Ap '67.

The statute of limitations on criminal liability. M. Efimov. Sov. iust. 31 no. 8 22-23 Ap '67.

CRNTHENE see Polyethylene

CRITICAL PATH ANALYSIS

The network methods of planning. V. G. Aksenova, A. A. Chernukhin. Trudy VZEL no. 30 25-38 '66.

CRITICISM

Goffenshofer, V. T. S. [History of Marxist literary criticism; Paul Lafargue and the struggle for realism] Iz istorii marksistskoi kritiki; Pol' Lafarg i bor'ba za realizm. Moskva, Sov. pisatel', 1967. 440 p.

Let's agree on requisites. G. Korintsev, N. Lorkipandze, G. Tovstogov. Zhurnalist no. 2 35-14 T '67.

CRYSTALS—ELASTIC PROPERTIES

Use of the method of bending vibrations in determining the modulus of elasticity of filamentary crystals. A. A. Shipunov. Fiz. tver. tela 9 no. 1122-1125 Ap '67.

CRYSTALS—FERROELECTRIC PROPERTIES

Ultrasonic absorption during phase transitions in triglycine sulfate-type ferroelectrics. K. V. Minnova and others. Fiz. tver. tela 9 no. 1120-1126 Ap '67.

CRYSTALS—GROWTH

Crystallizer for growing crystals by the vaporization method. A. G. Karpenko and others. Kristallografiya 6 no. 1116-1117 Ja '67.

Dislocation growth of crystals of hyperbolic lamellar graphite in cast iron. R. A. Shorokov. Fiz. metal. metaloved. 23 no. 1770 Ap '67.

Effect of heat treatment on the perfection of structure of NaCl(Pb) single crystals grown from the solution. T. V. Kuznetsova and others. Fiz. tver. tela 9 no. 1126-1128 Mi '67.

Evaluation of axial temperature gradients near the front of crystallization in growing single crystals by the Chokhrai'skii method. I. M. Shashkov, V. P. Grizhum, Izv. AN SSSR Neorg. mat. 3 no. 1-4-7 Ja '67.

Growing of CdSAs₂ single crystals. N. A. Gorunova and others. Izv. AN SSSR Neorg. mat. 3 no. 1180-1181 Ja '67.

Growth of gallium arsenophosphide crystals from gas phase. A. V. Lishina, V. N. Maslov, B. A. Sokharov. Izv. AN SSSR Neorg. mat. 3 no. 1160-1162 Ap '67.

Plasticity of filamentary cadmium and zinc crystals. M. V. Zakharova and others. Fiz. tver. tela 9 no. 1187-1187 Ap '67.

CRYSTALS—PHOTOELECTRIC PROPERTIES

Some photoelectric properties of n-CdCl₂P₂ and p-ZnGeP₂ single crystals. N. A. Gorunova, I. I. Tyshina, R. U. Kharashevich. Fiz. tver. tela 9 no. 1111-1113 Ja '67.

CRYSTALS—SPECTRA

Application of infrared spectroscopy in the study of polycrystalline substances. V. A. Florinskaya, R. S. Pechenkina. Kristallografiya 6 no. 1127-1131 Ja '67.

CRYSTALS—THERMAL PROPERTIES

Calculating the intrinsic temperature of organic crystals from elastic constants. K. S. Aleksandrov, V. P. Teslenko, B. D. Korotkov. Fiz. tver. tela 9 no. 1179-1182 Mi '67.

Low-frequency spectra of some low-melting organic crystals with statistically disordered structure. I. G. Zhurav, A. V. Sechukov. Izv. vys. uch. zap. fiz. 10 no. 2-4B-50 '67.

Theory of the phase transition crystal-liquid. I. P. Zhuravov. Izv. vys. uch. zap. fiz. 10 no. 2-97-105 '67.

CRYSTALS, EFFECT OF TEMPERATURE ON

Thermal conductivity of sodium chloride at helium temperatures. P. G. Shvachkov, V. M. Zakharov. Dokl. AN SSSR 173 no. 1181-1184 Ap '67.

CUBA—SUGAR INDUSTRY

Cuban sugar. A. Kaspin. Nov. vrem. 25 no. 22-17 My '67.

CUBATURE FORMULA

On a problem of S. L. Sobolev. A. I. Gamsel'skii, I. A. Baiting. Izv. VNI Mold. SSR no. 1165-67 '66.

CUCUMBERS

Starting plots in hydroponic growing of vegetables in greenhouses. K. A. Shulin, P. I. Bakhtin, Vestnik AN SSSR Ser. sel'khoz. nauch. no. 113-47 '67.

CULTURE

Some laws of the development of national culture. V. V. Plimenov. Sov. etn. no. 2-3-11 Mi-Ap '67.

CUPOLA FURNACES

Mechanized charging of cupola furnaces with 3 ton/hour capacity. V. F. Losov, L. I. Matutin. Tekh. org. proizv. no. 2-54-55 Mi-Ap '67.

CUPOLA FURNACES—COOLING

Automatic regulation of temperature of water cooling water-jacketed cupola furnaces. B. A. Kadzhanian. Mekh. i avtom. poizv. 21 no. 4-27 '67.

CURARELIKE SUBSTANCES

Acid-base equilibrium in tetanus patients during the treatment with curarelike substances on reflex changes in the arterial pressure. V. F. Dubrovskaya. Sov. med. 27 no. 1180-1185 Ag '63.

CURARELIKE SUBSTANCES—PHYSIOLOGICAL EFFECT

Effect of curarelike substances on reflex changes in the arterial pressure. V. K. Muratov. Farm. i toks. 30 no. 2-156-159 Mi-Ap '67.

CURIE POINT

Investigating the phase transition of single crystals of triglycine sulfate at the Curie point by the electroconductivity measurement method. V. M. Gmelyuk, I. S. Zhelnov. Kristallografiya 6 no. 1135-1137 Ja '67.

Magnetic properties of ferrites-garnets with high Curie point. O. B. Proskuriakov, M. M. Voinetskaia, N. N. Paicunova. Izv. AN SSSR Neorg. mat. 3 no. 1144-1148 Ap '67.

Unit for determining the Curie point of mineral grains. A. E. Rytsk. Geofiz. zap. no. 31-195-196 '67.

CURIUM ISOTOPES

Correlation between the energy of α -particles and the number of γ -quanta at spontaneous fission of Cm²⁴⁴. V. M. Adonov and others. Izv. AN SSSR Ser. fiz. 10 no. 1192-1193 Ap '67.

CURVES

Bivectorial curvatures and four-dimensional Riemann spaces. A. A. Kufarev. Uch. zap. Kaz. gos. ped. inst. no. 20-211-219 '64.

A type of contractible curves. G. N. Tikhonov. Dokl. AN SSSR 173 no. 3-520-531 Mi '67.

CURVES, ISOTHERMIC

Automatic unit for recording isotherms for surface processes. A. F. Fokhtman, I. U. S. Lipatov. Zhur. fiz. khim. 41 no. 1-938-945 Ap '67.

CUTANEOUS GLANDS

Development of skin glands in rearing animals. K. M. Ermeva. Trudy Mosk. vet. akad. 16-51-61 '51.

CUTTING MACHINES

Automatic machine for cutting glass-fiber plastic bands. A. M. Rostovtsev, V. M. Shuvayev. Blud. tekhn. i ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform. 20 no. 118-17 Ap '67.

Unit for cutting-off chamfers. N. D. Ugoren. Mashinostroitel' no. 1-31 Ap '67.

CUTTING OF PLASTICS

see Plastics cutting

CUTWORMS—EXTERMINATION

see Subdivision under Kazakhstan

CYANAMIDE

Transformations of cyanoguanidine in alkaline and acid solutions. I. B. Dzhambazovskanov, I. P. Dzhambazov, A. I. Kufarev. Zhur. org. khim. 3 no. 3-507-511 Mi '67.

CYANIDES

Isomers in the cyanidation of methyl-, ethyl-, and phenylacetone. A. N. Nigmatov, I. P. Dzhambazov, I. G. Prigodina. Izv. AN SSSR Ser. khim. no. 1-178-502 Mi '67.

CYANOCOBALAMINE

Amount of bacteria and vitamin B₁₂ content in active soil. Z. V. Lazimkayev, I. H. Kuch, L. V. Stefanova. Mikrobiol. zhur. 29 no. 2-100-103 Mi-Ap '67.

Content of vitamin B₁₂ in the blood serum in monkeys being subjected to chronic irradiation. Z. N. Dzhaleva, E. K. Dzhambazov. Med. rad. 12 no. 1-66-67 Ap '61.

Use of vitamins B₁₂ and B₁₂ in other diseases. V. I. Lepushinskii. Sov. med. 27 no. 1187-1188 Ag '67.

CYANOHYDRINS

Behavior of ethylene cyanohydrin in catalytic hydrogenation. I. D. Volkova, D. V. Sokol'skii. Izv. AN Kazakh SSR Ser. khim. 17 no. 2-60-66 Mi-Ap '67.

CYBERNETICS

Katolin, Lev. [Adventures in cybernetics]. Kiberneticheskoe puteshestvie. Moskva, Znanie, 1967. 197 p. (Narodnyi universitet. Estestvenno-nauchnyi fakul'tet, 4/5)

Mathematical models and computer analysis of the function of the central nervous system. W. R. Ashby. Avtomatika 12 no. 1-100-57 Ju '67.

The science of direction. B. Brikov, P. Geller. Mol. koin. no. 1-61-71 '67.

Simulation of a teaching system related to a creativity process. M. S. Rytvinskii. Uch. zap. Kaz. un. 125 no. 6-115-48 '66.

CYBERNETICS—ABSTRACTS

[Journal of abstracts: Cybernetics] Ref. zhur. Kib. Avtorakli ukazatel' za 1966 g. Pridmetnyi ukazatel' za 1966 g.

CYCLAMEN

Effect of boron and molybdenum on pollen germination in Cyclamen persicum Mill. N. N. Dement'eva. Zap. Sverd. ol. VBO no. 4-129-131 '66.

CYCLIC COMPOUNDS

Calculation of the heats of formation of carbocyclic compounds. A. I. Vitvitskii. Teoret. i eksper. khim. 3 no. 1182-87 Ja '67.

CYCLIC COMPOUNDS—CONGRESSES

The Second All-Union Conference on the Chemistry of Five-Membered Nitrogen Heterocycles. A. M. Simonov, A. F. Pozhar'skii. Zhur. VKHO 12 no. 2-225-227 '67.

CYCLIC COMPOUNDS, EFFECT OF RADIATION ON

Reactions of hot atoms of sulfur 35 in the system CCl₄-cyclic-C₆H₁₂. Part 2: Formation of labeled cyclohexyl mercaptan and pentamethylene sulfide. B. G. Dzantiev, A. P. Shvedchikov. Radiokhimiya 9 no. 2-276-278 '67.

CYCLING PATHS

Cycling paths. O. A. Divochkin. Avt. dor. 30 no. 3-38-9 Mi '67.

CYCLIZATION

see Ring formation (Chemistry)

CYCLOALKENES

Study of cyclic olefins under stress by means of carbon magnetic resonance. E. T. Lippman and others. Dokl. AN SSSR 173 no. 2-350-360 Mi '67.

CYCLOHEPTANONE

3, 7, 8, 8-Tetramethylcycloheptanone and its properties. Synthesis of 1, 4, 4, 4-tetramethylcycloheptanone. A. I. Labinman, T. V. Vayna, Zhur. org. khim. 3 no. 1160-608 Ap '67.

CYCLOHEXADIENE

Chlorination products of 1, 1, 2, 3-tetramethyl-2, 4-cyclohexadiene. Part 2: Chlorination of 1, 1, 2, 3-tetramethyl-2, 4-cyclohexadiene. A. M. Luchinskii, D. V. Pichenko. Zhur. org. khim. 3 no. 3-411-412 Mi '67.

Thermal conversions of 1, 3-cyclohexadiene and 1, 1-cyclohexadiene. V. A. Minnova, A. A. Akhmedov. Izv. AN SSSR Ser. khim. no. 1-698-700 Mi '67.

CYCLOHEXADIENONE

Formation of cyclohexenones in the intramolecular alkylation in the series of tetraallyl hindered phenols. V. V. Tishchenko, I. S. Belostotskaya, V. I. Volod'kina. Zhur. org. khim. 1 no. 1-511-511 Mi '67.

CYCLOHEXANE

Heat of adsorption of benzene and cyclohexane on Na₂ and Ca²⁺-type zeolites. A. I. Kuchuk-Gurvich, A. P. Kuchuk, V. M. Rubinshteyn. Izv. AN SSSR Ser. khim. no. 1-681-689 Mi '67.

Lindane penetration into plants of various photosynthetic groups and its biological activity in relation to light intensity. G. A. Okunova-Dunaeva. Biol. rast. 11 no. 2-282-283 Mi-Ap '67.

CYCLOHEXANOL

Effect of carrier and temperature on the course of reaction and copper activity in the process of cyclohexanol dehydrogenation. N. P. Fomel'yanov, R. I. Bel'skaya, R. A. Sotolachko. Dokl. AN SSSR 11 no. 3-233-236 Mi '67.

Studying the kinetics of the formation of 6, 6-nitro-hydroxyiminoheptanoic acid in the oxidation of cyclohexanol by nitric acid. V. A. Pichazhenko, A. M. Gol'dman, M. S. Yurman. Khim. prom. 43 no. 2-1-7 '67.

CYCLOHEXENECARBOXYLIC ACID

Analog of steroid compounds without ring D. Report No. 1: Synthesis of 2-methyl-1-ethyl-1-(p-methyl-1, 3-cyclohexene-1-carboxylate) and 1-(p-methyl-1, 3-cyclohexene-1-carboxylate). Izv. AN SSSR Ser. khim. no. 1-628-628 Mi '67.

CYCLOHEXYLAMINE

Isomerization of 2, 6-cyclohexyl H₂-cation in a deamination reaction. H. G. Bunde and others. Dokl. AN SSSR 165 no. 6-1303-1304 D '65.

CYCLONES

Duplication of vertical velocity in cyclones. P. P. Popova, T. D. Dubukko. Trudy MIM no. 11-60-61 '66.

Geographical distribution of upper cyclones over southern part of U.S.S.R. S. V. Zhukov, Nauch. trudy tsentr. G. 270-19-53 '66.

Reestablishment of wind field in cyclone using television pictures of cloud cover obtained from artificial earth satellites. N. P. Veitshchikov, V. V. Orlov. Trudy MIM no. 11-15-23 '66.

CYCLOPENTADIENE

Cyclopentadienyl compounds of hafnium. M. N. Mikhaleva, I. M. Bratishina, R. K. Rodina. Dokl. AN SSSR 173 no. 3-581-584 Mi '67.

Formation of fulvene in the oxidation of alkali metal (cyclopentadienyls). G. I. Litman and others. Zhur. org. khim. 1 no. 3-495-498 Mi '67.

Kinetics of dimerization of cyclopentadiene vapor equilibrium in the system isopropene-diene. T. M. Kosteva, S. K. Ogolchikov, Zhur. org. khim. 40 no. 4-881-884 Ap '66.

Photolysis of trialkylsilyldeoxyammonium cation derivatives of furanose. Ammonium tetracyanide. A. N. Nesmetanov and others. SSSR 173 no. 1-589-592 Mi '67.

Reaction of some vinylacetylene and 2, 1-difluoromethylene compounds with hexachlorocyclopentadiene. M. F. Shostakovskii and others. Zhur. org. khim. no. 3-567-570 Mi '67.

Structure of cyclopentadienylmetal compounds. Shchembelov, I. U. A. Ustyuk. Dokl. AN SSSR no. 4-847-850 Ap '67.

CYCLOPENTANE

Effect of hydrogen pressure on the course of cis of methylcyclopentane over aluminum-chlorine catalyst. I. I. Levitskii and others. Dokl. AN SSSR no. 5-1099-1102 Ap '67.

CYCLOPROPANECARBOXYLIC ACID—TOXIC

Germinative activity of alkyl-replaced cyclopropanecarboxylic acids. I. I. Dolgii and others. Zhur. org. khim. 3 no. 2-197-203 Mi-Ap '67.

CYCLOTRON

Simulating the injection of polarized protons in electron-type accelerators. O. A. Pliha, L. M. N. A. Toropkov. Zhur. tekhn. fiz. 37 no. 2-41 '67.

11. The Polish People's Republic and the
12. Polish Republic A P Postalek Bezop
13. 5 53 54 55 56 57

BE VALLEY—ALGAE
onal dynamics of nanoplanktonic golden algae in
ube Urmas, L. E. Danilova, Gidrobiol. sb. 1977
1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 26

order of nitrogen metabolism in pumpkin plants in
phosphorus deficiency. T. N. Chernavakala, C. I.
Musa, Agrokhimika no. 5:20-29 My 1967.

DEFORMATIONS (MECHANICS)

- Analysis of metal shape changes during rolling. M. I. Abramov, *Izv. AN SSSR, Met.*, no. 2 97-103. M.-Ap. '67.
- Approximate solution of the problem involving flexure of a plate shaped as an elliptic ring with clamped edges. M. G. Mukhadiev, *Trudy GPI Gruz.*, no. 2 195-203. '67.
- Characteristics of character of the process of rolling large ingots. V. P. Koltunov, L. A. Ponomarev, M. I. Stanovskiy, *Izv. Vsesoyuzn. nauch. tsentra, met.*, 10 no. 12 7-20. '67.
- Characterization of the hot deformation of titanium and its alloys. V. D. Ivanov, L. A. Ponomarev, N. I. Kravtsov, *Kuz.-stank. prom.*, 10 no. 49-52. M. '67.
- Characterization of deformation centers of diagonal rolling mills. A. P. Chukrov, V. G. Il'in, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.
- Characterization of longitudinal shifts in an infinitely narrow plate. B. V. Kostrov, I. V. Nikitin, *Pril. mek.*, 1967, 11 no. 3 11-16. M. Ap. '67.
- Dependence of the resistance to deformation in Ni-Al alloys on temperature and speed. L. D. Sokolov, *Izv. AN SSSR, Met.*, no. 1 10-11. M.-Ap. '67.
- Determination of flexure on the irregular plate of variable rigidity under arbitrary load and with any pattern of support along the contour. A. M. Akhmedov, V. G. Belov, *Dokl. Akad. Nauk SSSR*, 1967, 175 130. '67.
- Is it possible to find the actual radius of a pipe consisting of different parts? Calculating into account elastic deformation of the flange. A. D. Dzhundzhov, A. I. Novikov, *Dokl. Akad. Nauk SSSR*, 1967, 175 130. '67.
- Determination of the rigidity of the long-link chain. P. M. Smolobkin, *Vopr. ust. i razr.*, no. 10 7-12. '67.
- Effect of programmed loading on the flow stress in metals under alternating strain. I. A. Gelfand, L. I. Dobson, L. M. Nefedov, *Tr. metal. inzh.*, 21 no. 1, 64-66. M. '67.
- Evolution of surface phenomena during a sharp moving parallel to the metal-vacuum interface. G. A. Degtyarev, A. I. Gerasimov, *Tr. metal. inzh.*, 21 no. 1, 66-68. M. Ap. '67.
- Characterization of deformation centers in brass. V. A. Luchkov, B. S. Polakov, H. V. Puchkov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.
- Cheney, R. P. [Theory of metalworking by pressure.] *Tr. 10-11 gos. in-ta metal. inzh. im. Zhukovskogo*, Moscow, Metallurgizdat, 1967. 340 p.
- Influence of plastic deformations in cold-metal rolled on cold deformation of rolled joints. H. V. Kostikov, A. K. Gerasimov, *Vopr. ust. i razr.*, no. 10 7-12. Ap. '67.
- Injection of a material into a thin layer during the hot rolling of a plate. H. V. Kostikov, L. I. Dobson, *Pril. mek.*, 11 no. 3 11-16. M. Ap. '67.
- Law governing the deformation of spherulites from radial to tangential deformation of microcrystalline polymers. V. G. Chukrov, *Dokl. Akad. Nauk SSSR*, 1967, 175 130. '67.
- Longitudinal deformation of the tail end of a pipe during rolling on plate rolls. A. P. Chukrov, V. M. Puchkov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.
- Nonuniformity of deformation during upsetting. A. I. Puchkov, *Kuz.-stank. prom.*, 10 no. 49-52. M. '67.
- Optimization of mechanical properties for metalworking of steel and its hot rolling. A. A. Vinnitskiy, A. A. Ponomarev, *Izv. Vsesoyuzn. nauch. tsentra, met.*, 10 no. 12 7-20. '67.
- Plasticity between rolls and roll deformation of a plate. M. P. Chukrov, L. I. Dobson, *Pril. mek.*, 11 no. 3 11-16. M. Ap. '67.
- [Section of L. M. Eshelby's system for measuring properties in structural elements, report.] *Materialy i metody izucheniya fiziko-khimicheskikh i mekhanicheskikh svoystv metallov*, Kiev, Inst. za Akad. inzh. Dnep. inzh. in-ta, 1967. 11 p.
- Strength and certain properties of austenitic-chromium-nickel alloys with additional alloying of molybdenum and niobium. V. A. Puchkovskiy, M. A. Puchkovskiy, *Dokl. AN SSSR*, 1967, 175 130. '67.
- Striking anomalies in strength characteristics of metal and alloys. V. G. Kostikov, L. I. Dobson, *Vopr. ust. i razr.*, 10 no. 4 39-40. M. '67.
- Guiding intercharacterization of deformation of real alloys. A. V. Gerasimov, I. V. Kostikov, H. V. Puchkov, *Izv. AN SSSR, Met.*, no. 2 195-203. M. Ap. '67.
- Striking reverse flexure of rolls on a four-high mill. Report No. 1. V. B. Puchkov, V. G. Puchkov, H. V. Puchkov, *Izv. Vsesoyuzn. nauch. tsentra, met.*, 10 no. 12 7-20. '67.
- Studying the deformation structure of silicon deformed in the stage of light alloy. H. V. Kostikov, V. N. Puchkov, *Izv. Vsesoyuzn. nauch. tsentra, met.*, 10 no. 12 7-20. '67.
- Transfer of deformation of a plate to a cylindrical shell and a square plate in axial compression. V. V. Myshakov, *Dokl. AN SSSR*, 1967, 175 130. '67.
- Transfer of plastic deformation of the cap of a pipe. A. M. Akhmedov, V. G. Belov, *Dokl. Akad. Nauk SSSR*, 1967, 175 130. '67.
- Using high-speed motion-picture photography in investigating the process of a cold deformation. A. I. Puchkov, V. G. Kostikov, V. A. Gerasimov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

X-ray diffraction study of the block structure of a metal deformed in an ultrasonic field. V. P. Serebrennikov, V. V. Khuboyev, M. V. Kharitonov, *Dokl. AN SSSR*, 11 no. 3 226-228. M. '67.

DEFORMATIONS (MECHANICS)--MEASUREMENT

AMD-5 apparatus for magnetic measurement of deformations. I. I. Novitskiy, A. K. Dulin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEFORMATIONS (MECHANICS)--MODELS

Determining the radial pressure pressure in hot rolling on the basis of plasticity theory for a homogeneous plastic material with the help of finding the strain function. N. P. Chukrov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEFORMATIONS (MECHANICS)--SPEED

Resistance to deformation of khrom steel at high temperatures and high rates of deformation. A. P. Chukrov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Speed of deformation in diagonal rolling mills. A. P. Chukrov, V. G. Il'in, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEGENERATION

Some data on "degeneration" of the alloy in relation to cold deformation. B. N. Gerasimov, *Dokl. AN SSSR*, 1967, 175 130. '67.

DEGRADATION (CHEMISTRY)

Degradation of methylene formaldehyde copolymer. I. G. Ivanov, N. P. Novitskiy, A. V. Puchkov, *Dokl. Akad. Nauk SSSR*, 1967, 175 130. '67.

Character of the decomposition of a solid and fusible in pure aqueous solution at high temperatures. N. P. Chukrov, I. P. Volodko, V. A. Zhelezovskiy, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Mechanism of inhibition of photooxidative degradation of polymers with oxygen. Some light stability. B. N. Gerasimov, B. N. Gerasimov, I. A. Mikhlin, *Vopr. ust. i razr.*, 10 no. 12 7-20. '67.

Stabilization and the degrading decomposition of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEGRICES, ACADEMIC

A new procedure for awarding university degrees and conferring on them the titles for invention and discovery. I. N. Yegorov, *Vopr. ust. i razr.*, no. 7 10-11. '67.

DIHYDRATION (CHEMISTRY)

Dehydration of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Dehydration of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DIHYDROGENATION

Content of oxidized and reduced forms of FeP in catalytic and hydrolytic systems in rate under equilibrium and following inhibition of hydrogenation. V. A. Gerasimov, *Dokl. Akad. Nauk SSSR*, 1967, 175 130. '67.

DIHYDROGENATION

Approximate theory of a multistage catalytic reaction exemplified by the process of oxidative dehydrogenation of isobutane. N. P. Chukrov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Catalyst for dehydrogenation of isobutane. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Catalytic properties of the products of hydrogenation catalytic dehydrogenation. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Effect of carrier and temperature on the course of reaction and copper activity in the process of cyclohexene dehydrogenation. N. P. Chukrov, R. I. Puchkov, *Dokl. AN SSSR*, 1967, 175 130. '67.

Dehydrogenation of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Oxidative dehydrogenation of isobutane. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Process of oxidizing dehydrogenation of isobutane on a catalyst. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Process of oxidizing dehydrogenation of isobutane on a catalyst. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DELAY LINES

Calculation of capacity and dispersion factors of a comb-type delay system. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Design of a vol-type delay system of a device partially loaded by an active medium with appropriate specific inductive capacitance. H. V. Kostikov, P. I. Puchkov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Fast waves in a complex optical fiber. A. G. Gerasimov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DELINQUENTS see subdivision under VINO

DELIVERY OF GOODS

Being order to the planning for production and distribution of second grade pipes. I. I. Mikhlin, A. Gerasimov, *Met. inzh.*, 9 no. 148-149. Ap. '67.

Determining data for the delivery of equipment on the basis of network schedule graphs. V. I. Sokolov, *Met. inzh.*, 9 no. 148-149. Ap. '67.

Supplying construction sites with complete sets of structural material prepared under plant conditions. *Met. inzh.*, 9 no. 148-149. Ap. '67.

DELIVERY OF GOODS--FINANCE see subdivision under Lower Volga Economic Region

DELIVERY OF GOODS (LAW)

Compensation for loss caused by the forfeiture of delivery of goods contracts. M. I. Gerasimov, *Met. inzh.*, 9 no. 148-149. Ap. '67.

Definition of arbitration agreement. *Sov. zakon*, no. 4 86-87. Ap. '67.

Developing direct and indirect business relations among enterprises. Commercial contracts in supply and delivery. I. I. Mikhlin, *Met. inzh.*, 9 no. 148-149. Ap. '67.

Practical application of the institution on the receipt and examination of quality of delivered goods. M. I. Gerasimov, *Met. inzh.*, 9 no. 148-149. Ap. '67.

Principles of liability for failure to execute the delivery of goods contracts. V. G. Gerasimov, *Met. inzh.*, 9 no. 148-149. Ap. '67.

DELTA HYDROLOGY see subdivision under Arctic region

DELTAIONS see Deltaion and Deltaion

DEMI COIN

Anticoincidence properties of electron-muon. I. M. Verbitskiy, *Vopr. ust. i razr.*, 10 no. 3 101-111. '67.

DEATH

Study of psychopathological classification of elements of criminal personality. V. M. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEGRADATION

Degradation of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEGRADATION OF POLYMER see Degradation, Degrading

DEGRADATION

Dehydration of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEHYDRATION (CHEMISTRY) see Dehydration

DEPOLARIZATION (ELECTRICITY)

Chemopotentiometric study of some degradation with forced activity of the support. H. V. Kostikov, I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DEPOSITIONS

Dehydration of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DIAMANTOMYCEC HANDBOOKS, MANUALS, ETC.

Rashkin, P. M. [Diamantomyces (diamond and diamond); a handbook for physicians.] *Diamantomyces (diamond and diamond); a handbook for physicians*, 1967, 331 p. M. '67.

DIAMANTOMYCEC

Dehydration of diacetylene. I. I. Mikhlin, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESTRUCTION AND NONSUPPORT

Our suggestion. *Met. inzh.*, 9 no. 148-149. Ap. '67.

DELTAIONS see subdivision under Delta, Northern Hemisphere

DESIGN, INDUSTRIAL

Design of a vol-type delay system of a device partially loaded by an active medium with appropriate specific inductive capacitance. H. V. Kostikov, P. I. Puchkov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

Design of a vol-type delay system of a device partially loaded by an active medium with appropriate specific inductive capacitance. H. V. Kostikov, P. I. Puchkov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DESIGN, INDUSTRIAL, EXHIBITIONS

Design of a vol-type delay system of a device partially loaded by an active medium with appropriate specific inductive capacitance. H. V. Kostikov, P. I. Puchkov, *Nauch. trudy Dnep. inzh. in-ta*, 12 191-192. '67.

DIELECTRICS (Continued)

- Concerning E. I. Arsh and L. A. Krasnits' article "Methods for automating the measurement of the frequency characteristics of dielectrics." S. L. Lyskhe, *Avtomatika*, no. 1, 111-114, Feb '67.
- Determination of the coefficients of propagation of electromagnetic waves through perforated metal surfaces in a dielectric layer. V. V. Abramov, V. A. Kaplun, *Radioelektronika*, 12 no. 2, 310-312, Feb '67.
- Ionization and thermal characteristics of oil-saturated paper insulation of power transformers. D. A. Kaplan, A. G. Levit, *Izv. NIIPI*, no. 12, 83-90, Feb '66.
- Ionization processes and life of capacitor insulation. N. P. Aleksandrova, A. K. Minin, *Izv. NIIPI*, no. 12, 97-113, Feb '66.
- Theory of the acoustoelastic effect in dielectrics. I. V. Koffe, *Fiz. tsvetela*, 9 no. 3, 916-918, Mar '67.
- Thermal breakdown of mica-epoxy insulation. A. A. Shvortsov, *Elektronika*, 38 no. 1, 38-40, Apr '67.

DIELECTRICS—ELECTRIC PROPERTIES

- Schottky emission and currents in dielectrics. I. I. Adilovskii, L. A. Dubrovskii, *Dokl. AN SSSR*, 173 no. 3, 1032-1035, Apr '67.

DIELECTRICS—MEASUREMENTS

- Automatic dielectric meter. B. P. Bystrov, A. I. Gukls, A. P. Stetsko, *Izv. vys. ucheb. zav., elektromekh.*, no. 1, 351-357, Mar '67.

DIELS-ALDER REACTION

- Diels-Alder adduct reactions with formaldehyde. Report No. 1: Condensation of adducts of cyclopentadiene and unsaturated compound with formaldehyde. N. K. Moschinskii and others, *Khim. tekhn.*, no. 1, 80-86, Feb '66.
- Diels-Alder adduct reactions with formaldehyde. Report No. 2: Condensation of endoxylated allyl epoxide and acetoxymethyl-endoxylated allyl epoxide anhydrides with formaldehyde. N. K. Moschinskii, V. P. Sorokin, *Khim. tekhn.*, no. 1, 87-91, Feb '66.

DIENE SYNTHESIS

- Thiolanilide of diethylphosphoric acid in diene synthesis. G. G. Katsay, V. V. Plemenkov, V. V. Markin, *Dokl. SSSR*, 165 no. 6, 1313-1316, Feb '65.
- Vinylacetylene and its organosilicon and organotin derivatives in diene synthesis. M. I. Shostakovskii, N. V. Komarov, V. K. Minin, *Dokl. AN SSSR*, 173 no. 1, 843-846, Apr '67.

DIEPHILES

- Diene and dienophile activity of cyclohexyl vinyl ketone. A. G. Fomelov, G. I. Sagunov, M. R. Atakishieva, *Zhur. org. khim.*, 3 no. 1, 663-665, Apr '67.

DIES (METALWORKING)

- Blanking hard alloy blanking dies. S. M. Kimura and others, *Kar. -shlani, proizv.*, 9 no. 3, 22-26, Mar '67.
- The for qualitative cutting of merchant shapes. V. P. Mischenko and others, *Vest. mashinost.*, 47 no. 1, 61-65, Apr '67.
- Plotting the field of stresses in cutting, cutting-out, and piercing in dies. N. P. Kuchin, *Samolety i tekhn. vola*, 10 no. 7, 104-111, Feb '66.
- Universal dies. A. I. Kuznetsov, *Kar. -shlani, proizv.*, 9 no. 3, 42-43, Mar '67.

DIESEL ENGINE EXHAUST GAS

- Heat engine with a harmless exhaust. O. A. Bogachevskii, I. Z. Bukhman, *Gos. zhur.*, 112 no. 3, 16-17, Mar '67.
- Neutralization of toxic substances in using truck in transportation in open-pit and underground coal mines. I. L. Vashchuk, R. V. Malov, L. S. Zolotarevskii, *Gos. zhur.*, 112 no. 3, 68-70, Mar '67.

DIESEL ENGINES

- Outlook for the development of diesel engines for vehicles. A. G. Shtepan, *Tekhn. org. proizv.*, no. 2, 85-91, Mar-Apr '67.
- Results of the final testing of antichamber compression ignition engine. I. V. Novitskii, *Trak. i sel'khoz. mash.*, no. 4, 9-11, Apr '67.
- Using linear differential equations in calculating transient processes of internal combustion engines. V. I. Krutov, F. M. Dmylov, *Izv. vys. ucheb. zav., mashinost.*, no. 2, 70-74, Feb '67.

DIESEL ENGINES—FUEL SYSTEMS

- Raykond, A. A. [Standardized diesel gas-fuel engines] *Unifikirovannyye garovyye dizel'nye dvigateli*. Moskva, Nedra, 1967, 104 p.

DIESEL ENGINES—LUBRICATION

- Evaluation of diesel oils by alkalinity during operational testing on tractors. V. N. Tishakov, V. I. Olenova, N. A. Pavlov, *Khim. i tekhn. topl. i masel*, 12 no. 4, 43-45, Apr '67.

DIESEL ENGINES—PARTS

- New ultrasonic units for cleaning engine parts. R. K. Sakovich, *Trak. i sel'khoz. mash.*, no. 4, 36, Apr '67.

DIESEL ENGINES—STARTING DEVICES

- Fluids of easing the start of diesel engines. G. Losavio, *Avt. transp.*, 45 no. 4, 32-34, Apr '67.

DIESEL ENGINES—TESTING

- Effect of the change in the number of revolutions of a two-stroke diesel engine on the polytropic exponent of compression in the cylinder of engine. A. S. Semenov, *Izv. Vuzov. Izyss. ucheb. zav., mashinost.*, no. 2, 85-89, Feb '67.
- Thermodynamic analysis of the possibility for improving the efficiency of four-stroke combustion engines by reducing the degree of compression in the cylinders of the diesel engine. I. U. Abramov, *Izv. vys. ucheb. zav., mashinost.*, no. 2, 65-69, Feb '67.

DIESEL FUELS

- Compressibility coefficient of liquefied gases used as fuel for marine diesels. L. P. Buryshkin, *Za tekhn. prog.*, 7 no. 3, 41-44, Mar '67.

DIESEL LOCOMOTIVES—COOLING

- Investigating the efficiency of direct cooling of the superheating coils of a locomotive diesel engine with atmospheric air. A. I. Evchenko, *Izv. vys. ucheb. zav., mashinost.*, no. 2, 79-84, Feb '67.

DIESEL LOCOMOTIVES—FUEL CONSUMPTION

- Interpreting the need of technically substantiated standards for diesel locomotive fuel consumption. N. G. Evchenko, V. T. Lykovskaya, *Trof. prom.*, 11 no. 2, 33-34, Feb '67.

DIE

- Experience in the organization of diet nutrition in construction units. I. B. Nikolov, *Voen.-med. zhurn.*, no. 1, 81, Apr '67.
- Possibility of using food accessories to prevent accumulation of S₂ in the body. N. O. Razumovskii, O. L. Pochinskii, *Med. zhurn.*, 12 no. 1, 88-89, Apr '67.
- [Rational nutrition] *Ratsional'noe pitanie*. Kiev, Zdobov'ia, 1967, 204 p.

DIEET KITCHENS

- Dietetic nutrition in an automobile plant. O. Dalma, *Obshchestva i sots. struk.*, 10 no. 1, 18-20, Apr '67.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL-DIFFERENCE EQUATIONS

- Cauchy problem for a differential-difference equation. I. I. Ogil'skiy, *Dop. AN URSR*, no. 1, 3-5, Feb '61.
- Monotonic oscillations in nonsteady-state systems with random delay. V. H. Kolomoiets', I. G. Kozlenko, *Izv. Dop. AN URSR, Ser. A*, 29 no. 1, 28-31, Jan '67.

DIFFERENTIAL EQUATIONS

- A. N. Tikhonov's and his followers' studies on ordinary differential equations containing a small parameter. A. B. Vasil'eva, V. M. Volosov, *Usp. mat. nauk*, 22 no. 2, 140-168, Mar-Apr '67.
- Additive principle for the derivation of economical difference schemes. A. A. Samarskii, *Dokl. AN SSSR*, 165 no. 6, 1251-1256, Feb '65.
- Almost periodic solutions to differential equations in Hilbert space. V. V. Zhukov, *Dokl. AN SSSR*, 165 no. 6, 1227-1230, Feb '65.
- Applicability of the method of associated field to nonlinear systems. I. M. Belen'kii, *Pril. i mat. i mekh.*, 31 no. 2, 112-116, Mar-Apr '67.
- Approximate solution of Wiener-Hopf equations in some spaces. I. S. Chibrikova, *Izv. AN Mold. SSR*, no. 4, 101-106, Feb '66.
- Approximation theorems for differential equations. I. M. Snok, *Dokl. AN SSSR*, 165 no. 6, 1219-1222, Feb '65.
- Asymptotic summation of ladder diagrams at high energies. V. G. Vasnev, I. F. Ginzburg, *IAd. fiz.*, 5 no. 3, 665-668, Mar '67.
- Bilateral approximation in the numerical integration of the Cauchy problem for ordinary differential equations. S. Z. Zaslavskii, *Dop. AN URSR*, no. 10, 1270-1282, Feb '65.
- Bounded solutions to second-order differential equations. A. I. Potov, *Dif. urav.*, 3 no. 3, 524-528, Mar '67.
- A class of motions of a pendulum in a high-resistance medium. E. A. Babashin, V. A. Talazova, *Dif. urav.*, 3 no. 3, 371-379, Mar '67.
- A class of solutions to Painleve's sixth equation. N. A. Lukashovich, *Dif. urav.*, 3 no. 3, 520-523, Mar '67.
- Continuation of the solutions to a one-dimensional Dirac system. B. M. Levitan, I. S. Sargsian, *Dokl. AN SSSR*, 165 no. 6, 1241-1244, Feb '65.
- Controllability in Hilbert space. I. A. Shkolokhovich, *Dif. urav.*, 3 no. 3, 470-484, Mar '67.
- Controllability of linear systems with after-effect. F. M. Kirillova, S. V. Chumakova, *Dif. urav.*, 3 no. 3, 436-445, Mar '67.
- Convergence of approximations for an S-matrix of scattering in the method of moments. A. N. Kuzhinskiy, *Dop. AN URSR, Ser. A*, 29 no. 1, 65-68, Jan '67.
- Convergence of exponential series. I. M. Markushin, *Mat. zap. Ural. mat. ob-va UGU*, 5 no. 2, 71-74, Feb '65.
- Difference schemes with splitting operators for general p-dimensional second-order parabolic equations with mixed derivatives. V. B. Andreev, *Zhur. vych. mat. i mat. fiz.*, 7 no. 2, 312-321, Mar-Apr '67.
- Differential equations and inequalities with discontinuous right-hand parts. V. M. Matosov, *Dif. urav.*, 3 no. 3, 395-409, Mar '67.
- Differential system containing a small parameter with a derivative tending toward a conservative system. N. K. Gavrilov, *Izv. vys. ucheb. zav., radiofiz.*, 10 no. 3, 335-339, Feb '67.

- Equations describing the motions of nonholonomic mechanical systems in Poincaré-Cartan variables. I. M. Kuz'min, *Pril. i mat. i mekh.*, 31 no. 2, 251-259, Mar-Apr '67.

- Equations describing vibrations with even nonlinearities. G. O. Arshak, *Izv. vys. ucheb. zav., mat.*, no. 1, 122-126, Apr '67.

- Equations for short waves in a viscous heat-conducting gas. G. M. Shchepetov, *Dokl. AN SSSR*, 173 no. 4, 785-788, Apr '67.

- Example of a complex point of rest. A. D. Myshkis, L. E. Reizlin', *Dif. urav.*, 3 no. 3, 514-519, Mar '67.

- Existence and stability of invariant manifolds of point-to-point mappings. I. I. Neimark, *Izv. vys. ucheb. zav., radiofiz.*, 10 no. 3, 311-320, Feb '67.

- Fundamental mathematical problem in the theory of atomic spectra. A. G. Sigalov, *Usp. mat. nauk*, 22 no. 2, 3-21, Mar-Apr '67.

- General solutions to three-dimensional linearized equations in elastic stability theory. O. M. Il'in', *Dop. AN URSR, Ser. A*, 29 no. 1, 56-60, Jan '67.

- High-order iterative processes. T. I. Fogan, *Zhur. vych. mat. i mat. fiz.*, 7 no. 2, 123-124, Mar-Apr '67.

- Integral manifolds of differential equations. I. I. Neimark, *Izv. vys. ucheb. zav., radiofiz.*, 10 no. 3, 321-334, Feb '67.

- Kamke, E. [Handbook on ordinary differential equations]. Translated from the German. Spasochnik po obyknovennym differentsial'nym uravneniyam. Vol. 3. Izd. 3. Moskva, Nauka, 1965, 703 p. (CSI)

- Laplace type asymptotic stability in some different cases. Dop. AN URSR, Ser. A, 29 no. 1, 21-25, Jan '67.

- Method for stabilizing a control system of the third order. V. P. Buz'skii, *Mat. i upravl. mat. ob-va UGU*, 5 no. 2, 4-9, Feb '65.

- Methods for numerical integration of the differential equations of an a.c. arc column. I. K. Pichenko, O. S. Drenko, *Elektronika*, no. 1, 47-52, Feb '65.

- Mixed problem for some equations, connected in Petrovskii's sense, with a independent variables. I. H. Selezneva, *Dop. AN URSR, Ser. A*, 29 no. 1, 34-38, Jan '67.

- Near periodicity of bounded solutions to nonlinear systems. V. M. Cherenin, *Dokl. AN SSSR*, 173 no. 2, 275-277, Mar '67.

- Necessary and sufficient condition of stability in the uniform metric of systems of difference equations. S. I. Sordukova, *Dokl. AN SSSR*, 173 no. 3, 528-528, Mar '67.

- Nonlinear equations with monotone and other operators. R. I. Kabanovskii, *Dokl. AN SSSR*, 173 no. 3, 515-518, Mar '67.

- On the equation $D[x(t)]D[y(t)]D[z(t)] = 0$ in function space. M. N. Peller, *Dokl. AN SSSR*, 173 no. 6, 1287-1289, Feb '67.

- Parabolic type equation with rapidly alternating coefficients. G. A. Lushchik, *Pril. i mat. i mekh.*, 31 no. 3, 103-104, Feb '66.

- Periodic solutions to quasi-linear nonautonomous systems with a single degree of freedom in particular cases. A. P. Proskurnikov, *Pril. i mat. i mekh.*, 31 no. 2, 365-371, Mar-Apr '67.

- Periodic vibrations of quasilinear autonomous systems with time lag. K. M. Tsol, S. N. Shakhmurov, *Izv. vys. ucheb. zav., radiofiz.*, 10 no. 3, 345-352, Feb '67.

- Phase method of determining the eigenvalues for a Schrödinger equation. V. B. Uzunov, V. I. Albinov, *Zhur. vych. mat. i mat. fiz.*, 7 no. 2, 416-418, Mar-Apr '67.

- Present state and problems of the theory of differential equations with delayed argument. A. D. Myshkis, L. E. Fikhtengolts, *Usp. mat. nauk*, 22 no. 2, 91-97, Mar-Apr '67.

- Reduction of a multipoint problem for a system of differential equations to Cauchy problems using the method of orthogonal transformations. P. I. Monastyrnyi, *Zhur. vych. mat. i mat. fiz.*, 7 no. 2, 284-295, Mar-Apr '67.

- Singularities arising in solutions to the problem of nonsteady-state perturbation. A. S. Kolashnikov, *Zhur. vych. mat. i mat. fiz.*, 7 no. 2, 110-114, Mar-Apr '67.

- Solution of equations with the aid of Laplace's second method. H. O. Halanov, *Dop. AN URSR, Ser. A*, 29 no. 4, 204-206, Apr '67.

- Solution of some classes of Wiener-Hopf equations with operator coefficients. M. S. Budman, *Izv. AN Mold. SSR*, no. 4, 10-31, Feb '66.

- Solutions to a mixed problem for a class of nonlinear hyperbolic equations degenerate at the domain boundary. K. Bulukteev, *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk*, 11 no. 2, 3-6, Feb '67.

- Some cases of conservation of conditionally periodic movements by a small change in the Hamilton function. V. K. Melnikov, *Dokl. AN SSSR*, 165 no. 6, 1245-1248, Feb '65.

- Some iterative methods of solution of nonlinear equations with nondifferentiable operators. R. A. Shaflov, *Zhur. vych. mat. i mat. fiz.*, 7 no. 2, 125-129, Mar-Apr '67.

- Spatial percolation under pitted operations. A. A. Hushchenko, *Dop. AN URSR, Ser. A*, 29 no. 1, 9-13, Jan '67.

- Stability of periodic motions of quasi-linear autonomous systems with delayed argument. K. M. Tsol, *Mat. zap. Ural. mat. ob-va UGU*, 5 no. 2, 90-98, Feb '65.

- Stability of the trivial solution of a differential equation in Banach space. B. A. Shcherbakov, *Izv. AN Mold. SSR*, no. 4, 111-115, Feb '66.

DIFFERENTIAL EQUATIONS (Continued)

- Stability of linear control systems with respect to parameters. A. A. Krasovskiy, *Usp. mat. nauk*, 22 no. 2, 128-130 Mr-Apr '67.
- Optimal control of a nonlinear system. A. A. Krasovskiy, *Usp. mat. nauk*, 22 no. 2, 131-133 Mr-Apr '67.
- Systems of differential equations with piecewise constant arguments. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 732-734 Ap '67.
- Flow of characteristics and its application to the solution of problems of stability of solutions to differential equations. P. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 735-737 Ap '67.
- Topological classification of singular points and generalized trajectories. V. V. Lashin, *Dokl. AN SSSR*, 173 no. 4, 738-740 Ap '67.
- Local asymptotic stability of the Cauchy problem for a nonlinear differential equation. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 741-743 Ap '67.
- Linearization of a nonlinear system of equations. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 744-746 Ap '67.
- Use of differential equations of thermodynamics in diagram plotting. M. A. Lashin, *Usp. mat. nauk*, 22 no. 2, 134-136 Mr-Apr '67.
- Use of Γ -monogenic functions in studying a Maxwell system. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 137-139 Mr-Apr '67.

DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

- Stability of solutions of boundary value problems in non-linear systems for thermodynamic media. Part 2. P. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 147-149 Mr-Apr '67.
- Boundary value problems for differential and integrodifferential equations in $W_p^{m,k}$. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 747-749 Ap '67.
- Cauchy problem and boundary value problems for linear and nonlinear differential equations of the second order. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 750-752 Ap '67.
- Characteristics of a certain iterative process. V. A. Lashin, *Usp. mat. nauk*, 22 no. 2, 150-152 Mr-Apr '67.
- Closing up of two computing algorithms based on the idea of orthogonalization. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 153-155 Mr-Apr '67.
- Eigenvalues of the fundamental bilinear problem for a rectangle. B. M. Lashin, *Usp. mat. nauk*, 22 no. 2, 156-158 Mr-Apr '67.
- Estimates for the derivative of the solution to the Dirichlet problem at the boundary. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 753-755 Ap '67.
- A variational method of approach to problems in theories of thermal conductivity and diffusion-wave equations, as well as certain other uses of this method. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 159-161 Mr-Apr '67.
- Index and normal solubility of the general linear boundary value problem for a system of mixed type equations. A. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 756-758 Ap '67.
- Inverse problem of Dirac's equation with a singularity. T. I. Lashin, *Dokl. AN SSSR*, 173 no. 4, 759-761 Ap '67.
- Inverse problem of the melaharmonic potential. L. F. Lashin, *Usp. mat. nauk*, 22 no. 2, 162-164 Mr-Apr '67.
- Lower bound of frequencies of vibrations of elastic systems. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 165-167 Mr-Apr '67.
- Numerical solution of two-dimensional problems in the theory of elasticity. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 168-170 Mr-Apr '67.

ent, N. R. Bernán, *Usp. mat. nauk*, 22 no. 2, 171-173 Mr-Apr '67.

conjugated heat transfer. L. A. SR, *Usp. mat. nauk*, 22 no. 2, 174-176 Mr-Apr '67.

VS—NUMERICAL SOLUTIONS

- ing ordinary differential equations. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 177-179 Mr-Apr '67.
- of some problems in the theory of elasticity. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 180-182 Mr-Apr '67.

C

- M. I. Freidlin, *Usp. mat. nauk*, 22 no. 2, 183-185 Mr-Apr '67.
- ear elliptic equations. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 186-188 Mr-Apr '67.

DIFFERENTIAL EQUATIONS, LINEAR

- Cauchy problem for a linear hyperbolic equation of the first order with operator coefficients. E. A. Padceva, *Usp. mat. nauk*, 22 no. 2, 189-190 Mr-Apr '67.
- Degeneration points in linear systems. Z. T. Sultanova, *Dokl. AN SSSR*, 173 no. 4, 762-764 Ap '67.
- Harnack's inequality for generalized solutions to quasi-linear parabolic equations of the second order. A. V. Ivanov, *Dokl. AN SSSR*, 173 no. 4, 765-767 Ap '67.
- Uniform asymptotic behavior of linear systems. A. M. Melchior, *Dokl. AN SSSR*, 173 no. 4, 768-770 Ap '67.

DIFFERENTIAL EQUATIONS, LINEAR—BOUNDARY VALUE PROBLEMS

- Boundary value problem for the quasi-linear equation of Lavrent'ev-Bitsadze. G. G. Salakhov, *Usp. mat. nauk*, 22 no. 2, 191-193 Mr-Apr '67.

DIFFERENTIAL EQUATIONS, NONLINEAR

- Effective method of solving the Cauchy problem for non-linear differential equations. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 194-196 Mr-Apr '67.
- New criterion of the stability of solutions of a nonlinear differential equation. A. I. Lashin, *Usp. mat. nauk*, 22 no. 2, 197-199 Mr-Apr '67.

DIFFERENTIAL EQUATIONS, NONLINEAR—BOUNDARY VALUE PROBLEMS

- Existence of eigenvalues of a boundary value problem for a weakly nonlinear differential equation of the second order. V. S. Dolobavskaya, *Dokl. AN SSSR*, 173 no. 4, 771-773 Ap '67.

DIFFERENTIAL EQUATIONS, PARTIAL

- Applicability of 5 A. Chaplygin's approximate integration method to quasi-linear partial hyperbolic differential equations of second order. K. M. Nennan, *Usp. mat. nauk*, 22 no. 2, 198-200 Mr-Apr '67.
- A system of elliptic partial differential equations with a singular point at the origin of the coordinates. E. I. Grudo, *Usp. mat. nauk*, 22 no. 2, 201-203 Mr-Apr '67.

DIFFRACTION

- Short-wave approximation in the problem concerning diffraction on a plane screen. V. A. Maschenko, K. V. Maslov, *Teor. funktsii i funktsional'nykh analiz*, 3 no. 3, 188-192 '66.

DIFFRACTION GRATINGS

- Studying Rowland's ghosts by means of insects. A. A. Kaminskii, L. S. Kornienko, L. V. Makarenko, *Usp. mat. nauk*, 22 no. 2, 204-206 Mr-Apr '67.

DIFFUSION

- Appearance of precipitation in silicon after boron diffusion. V. M. Al'shuller, V. I. Poludon, *Fiz. tverd. tela*, 9 no. 3, 830-835 Mr '67.
- Coalescence of supersaturated solid solutions in the case of diffusion along the grain boundaries or dislocation lines. V. V. Stezov, *Fiz. tverd. tela*, 9 no. 4, 1187-1191 Ap '67.
- Determining diffusion coefficients considering reaction kinetics at the interface. V. T. Borisov and others, *Usp. mat. nauk*, 22 no. 2, 207-209 Mr-Apr '67.
- Diffusion kinetics of polymer radical recombination. Kh. S. Bagdasarian, *Vysokom. soed. Sei.*, 9 no. 1, 10-13 Ja '67.
- Diffusion of gold in indium arsenide. S. I. Romboza, *Fiz. tverd. tela*, 9 no. 4, 1192-1197 Ap '67.
- Diffusion of lithium ions into lithium hydroxide and sulfate crystals. E. D. Kuznetsov, L. M. IAPhenko, *Usp. mat. nauk*, 22 no. 2, 210-212 Ap '67.
- Diffusion of phosphorus through oxide film in silicon. G. S. Kulikov, B. I. Boltaks, E. P. Savin, *Usp. mat. nauk*, 22 no. 2, 213-215 Mr-Apr '67.
- Diffusion, solubility, and charge state of silver in indium arsenide. B. I. Boltaks, S. I. Rembeza, B. L. Sharmar, *Fiz. tverd. tela*, 9 no. 4, 1198-1203 Ap '67.
- Diffusion transport of substance in joint cavities and through intergranular spaces in water-saturated rocks. A. S. Lapukhov, *Geol. i geofiz.*, no. 12, 56-64 '66.

Effect of concentrations of reacting substances on the degree of internal diffusion inhibition of irreversible heterogeneous catalytic reactions. N. I. Shamesko, O. A. Streletsov, *Teor. i eksper. khim.*, 3 no. 2, 195-203 Mr-Apr '67.

Evaluation of diffusion potential in silicate systems with unipolar conduction. N. G. Koshchikova, L. L. Kunin, V. I. Malkin, *Usp. mat. nauk*, 22 no. 2, 216-218 Mr-Apr '67.

Experimental investigation of the diffusion of a promptly heated substance and emerging pulse in case of energy concentrations lower than heat of evaporation. A. A. Kalmykov, I. V. Nemchikov, A. I. Petukhin, *PMTF*, no. 6, 3-13 N-D '66.

Experimental separation of Frankel's and Kirkendall's effects. I. A. E. Goguzin, I. I. Bolko, L. N. Parilskaya, *Dokl. AN SSSR*, 173 no. 2, 323-324 Mr '67.

Interconnection between the parameters of hydrogen diffusion and kinetic coefficients in iron-aluminum alloys. G. P. Smirnov, L. L. Kunin, *Fiz. metal. i metaloved.*, 23 no. 4, 737-738 Ap '67.

Interdiffusion in the system zirconium - 15 at. % uranium. L. V. Pavlov, *Atom. energ.*, 22 no. 4, 200-202 Ap '67.

Mechanism of diffusion-controlled state of bimolecular chemical reactions in crystalline and vitreous polymers. B. R. Smirnov and others, *Teor. i eksper. khim.*, 3 no. 1, 88-92 Ja-F '67.

Motion and spreading of inhomogeneities in a plasma. A. V. Gurevich, L. L. Tsedil'man, *Usp. mat. nauk*, 22 no. 2, 219-221 Ap '67.

Partial solutions of the nonlinear equation of parabolic type diffusion. N. A. Stodolnik, *Fiz. tverd. tela*, 9 no. 4, 1202-1203 Ap '67.

Radiation stimulated diffusion in cerium metal. A. A. Stodolnik, O. R. Nifanov, M. A. Kameev, *Fiz. tverd. tela*, 9 no. 4, 1204-1205 Ap '67.

Self-diffusion of niobium in certain of its alloys with tungsten. V. D. Lashin and others, *Usp. mat. nauk*, 22 no. 2, 222-224 Mr-Apr '67.

Study of water diffusion from acrylonitrile solution through a cellophane film. V. V. Prakhov, I. I. Novoselova, M. K. Buzanov, *Usp. mat. nauk*, 22 no. 2, 225-227 Ap '67.

Studying the diffusion of nuclear reaction products in various materials. N. I. Goguzin, V. V. Goguzin, V. A. Dem'yanov, *Atom. energ.*, 22 no. 1, 200-201 Ap '67.

Use of nuclear magnetic resonance relaxation for studying self-diffusion in liquids. A. M. Pavlov, N. N. Roizenko, V. V. Lashin, *Usp. mat. nauk*, 22 no. 2, 228-230 Ap '67.

Value of the limiting diffusion current in the galvanostatic study of the electrochemical reaction of metals. I. I. Murashova, I. N. Ankelevich, A. V. Ponomarev, *Fiz. tverd. tela*, 9 no. 2, 266-269 '67.

DIFFUSION COATINGS, EFFECT OF TEMPERATURE ON

Properties of combined coatings at high temperatures. I. V. Goguzin, A. F. Solov'yev, *Usp. mat. nauk*, 22 no. 2, 231-233 Ap '67.

DIGESTIVE ORGANS—MAMMALS

Vorontsov, N. N. [Evolution of the digestive system in rodents; marine rodents] *Evolyutsiya zhivotnykh i razvitiye sistem gryzunov (myshebratsnyye)*. Novosibirsk, 1967. 234 p.

DIGITAL INFORMATION TRANSMISSION

Reliability of discrete channels from nonhomogeneous independent elements with limited carrying capacity. D. E. Kadomskii, *Usp. mat. nauk*, 22 no. 2, 234-236 Ap '67.

DIGITAL-TO-ANALOG CONVERTERS

Transformer code-analog converter. A. M. Ilyin, *Automat. i telemekh.*, 1967, no. 1, 13-16 Ja-F '67.

DILATOMETRY

Effect of the degree of polycrystallinity on the mechanical properties of thermal dilatation near the melting point. A. M. Borisov, A. A. Rembeza, S. A. Tevl, *Usp. mat. nauk*, 22 no. 2, 237-239 Ap '67.

DIMETHYLAMINE

Synthesis of dimethylalkylamines. A. S. Baranov, A. A. Zel'man, N. K. Petukhin, *Usp. mat. nauk*, 22 no. 2, 240-242 Mr-Apr '67.

DIMETHYLAMINO GROUP—PHYSIOLOGICAL EFFECT

Comparative study of carcinogenesis of the liver in male and female rats under the effect of dimethylamino benzene in various nutritional conditions. I. K. Petukhin, N. I. Holonin, N. P. Korovin, *Pat. izобр.*, 1967, no. 2, 55-56 Mr-Apr '67.

DIODES, SEMICONDUCTOR

Analyzing a low-temperature cesium plasma. N. V. Goguzin, I. V. Goguzin, V. P. Pashchenko, *Usp. mat. nauk*, 22 no. 2, 243-245 Mr-Apr '67.

Bulk resistance of a semiconductor diode. V. S. Zakharenko, G. A. Kabanov, *Fiz. tverd. tela*, 9 no. 4, 1206-1207 Ap '67.

Calculation of extremely asymmetric p-n-p-n structures in steady state allowing for the resistance of spreading of bases. A. I. Chukanov, A. I. Goguzin, *Fiz. tverd. tela*, 9 no. 4, 1208-1209 Ap '67.

Double injection in gold-doped silicon. I. V. Varlamov, I. A. Soudaevskaya, V. P. Soudaevskii, *Fiz. tverd. tela*, 9 no. 4, 1210-1211 Ap '67.

Effect of a magnetic field on the localization of breakdown in p-n junctions. A. I. Goguzin and others, *Radiotekhnika i elektronika*, 12 no. 4, 633-637 Ap '67.

Electroluminescence spectra of gallium-phosphide diodes. G. A. Nukshidze and others, *Usp. mat. nauk*, 22 no. 2, 246-248 Mr-Apr '67.

Impedance of p-n-diode at high injection levels. N. A. Prima, I. A. Tkhorik, *Fiz. tverd. tela*, 9 no. 4, 1212-1213 Ap '67.

Nature of stimulated emission of gallium antimonide injection lasers. I. A. E. Goguzin, K. I. Sytunova, *Fiz. tverd. tela*, 9 no. 4, 1214-1215 Ap '67.

Recombination radiation of fused GaP-p-n-junctions. R. F. Matveeva, D. N. Nasilodov, S. V. Slobodchikov, *Fiz. tverd. tela*, 9 no. 4, 1216-1217 Ap '67.

Study of p-n tunnel junctions with polycrystalline gallium arsenide film base. L. G. Lavrent'eva, M. D. Vilkov, A. P. Viatkin, *Radiotekhnika i elektronika*, 12 no. 4, 637-638 Ap '67.

- DIODES, SEMICONDUCTOR (Continued)**
- Study of the dependence of capacitance on the inverse voltage of alloyed InAs-diodes. D. N. Nasledov, N. N. Smirnov, A. V. Slobodnikov. Radiotekhnika i elektronika 12 no. 4:754-756 Apr '67.
- Study of the inductive properties of $p-n-n^+$ diodes with minimum distribution of stationary concentration of current carriers in the base. Part 1. D. A. Aronov, I. A. P. Kotov. Izv. AN Uz. SSR, Ser. fiz. i. mat. nauk 11 no. 2:61-66 '67.
- Voltage characteristics of $p-n$ junctions in InSb at helium temperatures. V. N. Ivakhno. Radiotekhnika i elektronika 12 no. 1:762-763 Apr '67.
- DIODES, SEMICONDUCTOR—SPECTRA**
- Spontaneous recombination radiation of indium arsenide diodes. T. I. Galkina, N. A. Pechin, V. A. Rassushin. Fiz. i. tekhn. poluprov. 1 no. 2:230-235 Apr '67.
- DIOPHANTINE ANALYSIS**
- Asymptotic behavior of the number of solutions to certain Diophantine inequalities. V. G. Sprindzhuk. Dokl. AN SSSR 173 no. 4:770-772 Apr '67.
- Note on Puler's studies on Diophantine analysis. N. P. Kotov. Uchenye zapiski Kazansk. univ. Ser. fiz.-mat. nauki 161 no. 2:105-109 Apr '67.
- DIOXANE**
- Liquid-vapor equilibrium in the binary systems of dioxane with tri- and tetrachlorosilane. I. I. Lapkin, L. A. Miskin, A. A. Karateeva. Zhur. obshch. khim. 37 no. 3:531-533 Mar '67.
- DIPHENYLAMINE**
- Some mixed hexamers of trivalent cobalt. D. M. Palade. Zhur. neorg. khim. 12 no. 1:987-990 Apr '67.
- DIPHENYLDIAMINE—PHYSIOLOGICAL EFFECT**
- Protein composition of the blood serum in dogs in blood transfusion shock with administration of dimethyl K. A. Shalimov. Biol. eksp. biol. med. 63 no. 4:52-53 Apr '67.
- DIPHOSPHINE**
- Tetraalkyldiphosphines and tetraalkyldiphosphine sulfides from elementary phosphorus. G. M. Bogolubov, A. A. Petrov. Dokl. AN SSSR 173 no. 5:1076-1078 Apr '67.
- DIPHTHERIA**
- Changes in the content of 5-hydroxytryptamine in enterochromaffin cells of the duodenum in experimental diphtheria intoxication. B. M. Rozenman, K. S. Simushkin. Biol. eksp. biol. med. 63 no. 5:41-44 May '67.
- DIPIN**
- Therapeutic effect of dipin in metastases of hypernephroma. E. B. Marubakh, Urologiya 25 no. 3:50-61 May-June '66.
- DIPLOMATIC AND CONSULAR SERVICE—REGISTERS, LISTS, ETC**
- [Diplomatic Corps in Moscow] Diplomaticheskii korpus v Moskve. [n.p.] 1966. 193 p.
- DIPLOMATS, GUINEAN**
- People and events: Petrus de Jong; Ali Abdullah al-Sallal; Harrison Emmanuel Tucker; Fadlala Ketta. Nov. vrem. 25 no. 10:20, 29 May '67.
- DIPLOMATS, SIERRA LEONEAN**
- People and events: Petrus de Jong; Ali Abdullah al-Sallal; Harrison Emmanuel Tucker; Fadlala Ketta. Nov. vrem. 25 no. 10:20, 29 May '67.
- DIPLOMATS, YEMEN**
- People and events: Petrus de Jong; Ali Abdullah al-Sallal; Harrison Emmanuel Tucker; Fadlala Ketta. Nov. vrem. 25 no. 10:20, 29 May '67.
- DIPOLE MOMENTS**
- The orienting field and dipole polarization. M. F. Vuk. Dokl. AN SSSR 173 no. 4:801-801 Apr '67.
- DIRECT CURRENT ELECTRIC MOTORS** see Electric Motors, Direct current
- DIRICHLET'S SERIES** see Series, Dirichlet's
- DISABILITY EVALUATION**
- Capacity for work in Frederick's syndrome. B. N. Anonov. Sov. med. 30 no. 3:145-146 Mar '67.
- DISARMAMENT**
- Abolitin, V. I. A., ed. [The policy of states and disarmament. Published in 3 books] Politika gosudarstva i razvuzhenie. Izd. v trokh knigakh. Moskva, Nauka, [Book 1. The U.S.S.R., the U.S.A. and disarmament] SSSR, SShA i razvuzhenie, 1967. 100 p. [Book 2. Western Europe, militarism and disarmament] Zapadnaya Evropa; militarizm i razvuzhenie, 1966. 163 p.
- Crucial stage of the negotiations in Geneva. Mezhdunar. zhizn' 14 no. 5:48-52 '67.
- DISCOVERIES (IN GEOGRAPHY)**
- [300 travelers and explorers, a biographical dictionary. Translated from the German] 300 putestestvennikov i issledovatelei; biograficheskii slovar'. Moskva, Mysl', 1966. 270 p. (NN)
- DISINFECTION AND DISINFECTANTS**
- Disinfection by means of a mixture of ethylene oxide and methyl bromide and some aspects of its use in military hygiene. V. T. Osipian. Voenn.-med. zhur. no. 3:56-59 Mar '67.
- Germinative activity of alkyl-replaced cyclopropanecarboxylic acids. I. I. Dolgi and others. Farm. i. toks. 30 no. 2:199-203 Mar-Apr '67.
- DISLOCATIONS IN CRYSTALS**
- Dislocations as active centers in topochemical reactions. I. U. L. Kasulin. Teoret. i. ekspr. khim. 3 no. 1:58-63 Jan-Feb '67.
- Distribution of internal strains in the case of random arrangement of dislocations. B. M. Strutinskii. Fiz. tver. tela 9 no. 3:605-612 Mar '67.
- Effect of impurities on the plasticity of lithium fluoride crystals. L. M. Bellaev, M. V. Klassen-Nekhludova, V. G. Govorkov. Izv. AN SSSR, Neorg. mat. 3 no. 1:67-72 Jan '67.
- Effect of irradiation on diffusion-dislocation motion of crystals. A. M. Kosavich, Z. K. Saralidze, V. V. Skozov. Fiz. tver. tela 9 no. 3:895-904 Mar '67.
- Interaction of dislocations in lattice points and the dislocation equilibrium. V. L. Indenbom, G. N. Dubnova. Fiz. tver. tela 9 no. 1:171-177 Apr '67.
- Mobility and concentration of cations in silicon and germanium in the case of uniaxial compression and low temperatures. I. V. Kuchenko. Fiz. tver. tela 9 no. 3:781-789 Mar '67.
- Observability of dislocation mobility in conducting crystals by means of electron effects. V. I. Kravchenko. Fiz. tver. tela 9 no. 1:1058-1057 Apr '67.
- Optical activity of deformed crystals. V. S. L'vov. Fiz. tver. tela 9 no. 4:1273-1275 Apr '67.
- Oscillations of a continuum with dislocation mobility. V. V. Nikolaev, A. N. Orlov, G. G. Taluts. Fiz. met. i. metalloved. 23 no. 3:421-434 Mar '67.
- DISLOCATIONS IN METALS**
- Deformation occurring during the interaction of interacting slip bands. I. N. Pogibnyl, K. M. Zhak. Dop. AN URSS, Ser. A 29 no. 1:76-79 Jan '67.
- Effect of dislocations in metals with a hexagonal lattice on X-ray scattering. A. I. Rakchenko. Fiz. met. i. metalloved. 23 no. 4:597-601 Apr '67.
- Point of the nuclear magnetic resonance line in metal crystals containing dislocations. I. M. Dubovskii. Fiz. met. i. metalloved. 23 no. 4:572-574 Mar '67.
- Formation of vacancies in the case of atom diffusion in metals through the surface oxide film and the effect of the medium on dislocation structure. V. N. Rochnakli, A. A. Fedovditelev, V. L. Indenbom. Fiz. tver. tela 9 no. 3:757-765 Mar '67.
- Inertia of exocyclic emission by deformed metals. R. I. Mintz, V. S. Kortov. Izv. AN SSSR, Met. no. 2:165-171 Mar-Apr '67.
- Interaction between a dislocation lying at the surface layer of a thick plate and interacting internal stresses. L. V. Tikhonov. Fiz. met. i. metalloved. 23 no. 4:577-584 Apr '67.
- Interaction of Bloch walls with dislocations in weak fields. L. A. Chobolkevich and others. Fiz. tver. tela 9 no. 1:1093-1097 Apr '67.
- Mechanism of the effect of surface active elements on the form of graphite in cast iron. R. A. Sidorenko. Izv. AN SSSR, Met. no. 2:138-146 Mar-Apr '67.
- Methods of calculating scattered energy during amplitude dependent internal friction. I. U. K. Favorsky. Izv. AN SSSR, Met. no. 2:162-164 Mar-Apr '67.
- Multiplication of dislocations in single crystals of zinc under the effect of ultrasonic waves. N. A. Piapandin, E. V. Sitrom. Fiz. met. i. metalloved. 23 no. 4:744-777 Apr '67.
- Nature of the sharp yield limit in iron. M. I. Blanter, M. S. Blanter. Fiz. met. i. metalloved. 23 no. 4:763-764 Apr '67.
- Studying the mobility of dislocations in single crystals of zinc. I. F. Lavrent'ev, O. P. Salita. Fiz. met. i. metalloved. 23 no. 3:548-553 Mar '67.
- Theory of electric resistance of metals due to dislocations. V. I. Kravchenko. Fiz. tver. tela 9 no. 3:836-841 Mar '67.
- Theory of the effect of impurities on the rate of grain growth during the recrystallization of metals. L. N. Alekandrov, A. N. Kogan. Fiz. met. i. metalloved. 23 no. 4:668-673 Apr '67.
- DISORDERLY CONDUCT**
- Characteristics of the investigation of disorderly conduct cases. O. Solov'ev. Rad. pravo no. 4:41-45 Apr '67.
- The guilty persons have been punished. Part. zhizn' no. 7:74 Apr '67.
- Problems of responsibility for hoodlums. I. Tlozhkova. Sois. zakon. no. 3:29-32 Mar '67.
- We discuss an important issue. P. D'achkov. Sov. profsoyuz 23 no. 6:36-37 Mar '67.
- When people try not to be involved. O. Micez. Rad. pravo no. 4:71-72 Apr '67.
- Zhegin, N. V. [The struggle against hoodlums is everybody's concern] Borba s khuliganstvom - delo vseh i kazhdogo. Moskva, Urid. lit-ra, 1967. 62 p.
- DISORDERS OF METABOLISM** see Metabolism, Disorders of
- DISSERTATIONS, ACADEMIC**
- Doctoral dissertations in 1965. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 1:11-132 '67.
- DISSOCIATION**
- Differential-Thermal Activation Method and its possibilities in the study of the thermal behavior of substances decomposing with the separation of gas phase. L. G. Berg, V. B. Kovyzina. Zhur. neorg. khim. 12 no. 3:596-601 Mar '67.
- Dissociation of nitrogen in glow discharge plasma. V. I. Svetsov, A. I. Maksimov, G. P. Dobinskaya. Khim. vys. energ. 1 no. 2:171-176 Mar-Apr '67.
- Solubility product of thorium oxalate, composition, and constants of dissociation of oxalate complexes of thorium in aqueous solutions. A. I. Moskvina, L. N. Iason. Zhur. neorg. khim. 12 no. 3:688-693 Mar '67.
- Thermographic and thermogravimetric methods for determining the activation energy of dissociation processes. L. O. Ploshin, O. S. Novikova. Zhur. neorg. khim. 12 no. 3:692-691 Mar '67.
- DISTANCES—MEASUREMENT**
- Distance correction for centering goniometer. I. U. K. Volkov. Gid. i. kart. no. 4:10-11 Mar '67.
- Fourth group of partial parallelism schemes and formulae for use in indirect distance measuring methods. I. U. K. Volkov. Dop. AN URSS, Ser. A 29 no. 1:101-110 Mar '67.
- New ways of application of the general fundamental theory of indirect range-finding methods in parallelism polygonometry. O. S. Minkov. Dop. AN URSS, Ser. B 29 no. 1:54-60 Jan '67.
- Use of semiconductor radiation sources with $p-n$ junctions in phase optical distance measuring systems. I. U. K. Volkov, B. I. Utenkov, V. I. K. Khim. Opt. i. met. prom. 11 no. 1:5-7 Apr '67.
- DISTILLATION—MATHEMATICAL MODELS**
- Mass transfer equation for distillation in a vertically falling film. V. V. Beloborodov. Izv. vuz. khim. i. tekhn. 10 no. 2:127-130 '67.
- DISTILLATION, FRACTIONAL**
- Coefficients of the evaporation and rectification of enthalpic ester. L. P. Vynatskii. Izv. vuz. khim. i. tekhn. 10 no. 2:159-160 '67.
- Removal of acetone from furfural in the rectification process. I. U. A. Tikhonov, V. A. Vasil'eva. Shk. i. ind. NIIS 15:121-125 '66.
- Separation of pure individual C₅ hydrocarbons from industrial fractions by rectification. I. A. Shatalova and others. Khim. prom. 11 no. 1:15-18 Apr '67.
- DISTILLATION APPARATUS**
- Calculating maximum loads in the flooding of apparatus with counter-current heterophase streams. S. N. Imalov. Khim. prom. 47 no. 2:73-71 Mar '67.
- Hydrodynamics of the diaphragm flow of a rotary apparatus and its efficiency. L. M. Anashin, I. U. K. Kochubel. Izv. vuz. khim. i. tekhn. 10 no. 2:118-121 '67.
- Improving the technological process, systems, and conditions of liquid distillation. I. A. Khudumovskiy. Khim. prom. 47 no. 2:18-21 Mar-Apr '67.
- Study of absorption-rectification gas-separating units. L. V. Taltman, I. N. Smirnov. Khim. prom. 13 no. 2:13-16 Mar '67.
- DESTILLERIES**
- (see also subdivision under Ukraine; Vinograd; Zhitomir)
- Designing and building of hydrolytic and sulfate alcohol plants in the year of the Great Patriotic War. I. I. Maslennikov. Gidrotiz. i. tekhn. i. prom. 20 no. 1:3-6 '67.
- DESTILLERY WAREHOUSES**

Proposed for holding commercial accumulation of native
in the Polesia, all formations of Dnieper-Donets
to the M. H. Part-uch. Dop. AN URSR, Ser. B
1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2

Summary report of the institutions of the Academy of Sciences of the USSR on the results of measures against the "flourishing" in rivers and lakes of the USSR. Dep. AVURSRL No. B 20 no 195 in 1967

Some problems in the history of the central Dnieper Valley in the early Bronze Age. S. S. Berezanskaya. *Izvestiya* 20: 47-57, 1966.

Diamonds of cubic habitus from Tertiary placers of
Dnieper Valley IU 1, Polkano. Dokl AN SSSR 173
no 4 901-902 Apr '67.

Correlation of niobium, hafnium, uranium, and thorium
in accessory minerals in granitoids of middle Dnieper
Valley. V. I. Orlov. Dop. AN URSR no. 10 1348-1352 '65

Age of "speckled clay" horizon in middle Dnieper Valley
M D Gerasimov, A O Veselov Dop. AN USSR Sci. B
23 no 3 200-203 Mt 1967

See data on stratigraphy of Quaternary sediments in
Dneprii Valley A P Romodanov, T I Filyustorova
Dop AN URSS Ser B 20 no 5 410-423 M, 1967.

Determining the direction and angles of dip of deep inter-
-bedded structures in the Ukrainian Crystalline Shield
H. H. Kozubskaya, E. P. Prapkin, V. D. L'vovskiy Dep
A. USSR Sci B 29 no 144-46 Ja '67

Shield III G. Einakov. Gostoktonk in 2-88-89 Mh-
Ap '67

Mixed-layered minerals in the weathering surface of rocks of basic composition in northern part of middle Dnieper Valley. I. P. Nesterenko. Dokl. AN SSSR 172 no. 6, 141b-1418 1967.

Characteristics of rare earths in accessory minerals of
ancient formations in middle Dnieper Valley. V. I. Oisa,
G. D. Eliseeva, A. I. Kazantseva Geokhimiya no. 2 243-
247 F '67

lived-layered minerals in the weathering surface of rocks of basic composition in northern part of middle Dnieper Valley I F Nesterenko Dokl. AN SSSR 172 no. 6 1416-1418 1967

DOCUMENTARY MOTION PICTURES see Motion pictures,
Documentary

DOLINA OIL FIELD—OIL FIELD FLOODING
 Characteristics of advance of water in producing layers in
 flooding Vorgda pool in Dolina oil field V. p.

of productive horizons in Dolina field P F Shapk,
M V Mats'ko Neft i gaz prom no 2 8-10
Ur-Ap '67

to increase efficiency of flooding of mudstone

1-33 Mr-Apr '67 Net 1 ga, pi om no 2

MAIN STRUCTURE

zanova, B. S. Shur Fiz. met. i metalloved. 23 no 3; 5-503 Apr 1977.

on Part 1 V. V. Zalkova, L. S. Shm
 installed 23 no. 1,642-650 Ap '67 Fiz. met i

S. Kandaurova. Fiz. metal. metalloved. 23 no. 4, 627-
Ap '67.

3,487-404 Mu '67. Fiz.met.i metalloved. 23

with copper. S. G. Kala-dinlov, M. S. Kasimov, V. A. V.
yakov. The following values are available:

moving electric domains. V. I. Bonch-Bruyevich, *Usp. fiz. nauk*, 1969, No. 3, 229-246, 246 (Russian).

DOMESTIC RELATIONS
(see also subdivision under Ukraine)

Characteristics of hydrological balance in water catchment fish spawning and rearing farms. *Hydrobiological Bulletin*, 1974, Special, Ryb. kho., 11 no. 4, 12-14.

V. P. Stradomskiy, I. V. Gladkov, G. I. Gidokhin and
12 137-140 '66

Change with time of isotopic composition in sulfate series of the waters of the Don and Volga. N. V. Venediktova and others. *Gidrobiol. nauch.* 12: 120-126, 1966.

IRON VALLEY—REVOLUTION, 1917-1921

Int. USSR no. 7, 1967-1968 Mr-Apr 1967.

Thermal waters in Volga-Basurion. I. N. B. 1964. No. 1.
Dob. AN SSSR 17. no. 6 117-118 1964

O. V. Ivanov, Dep. AN USSR, 541 N. 9th St., Leningrad, U.S.S.R.

discovery of a composite of the Mauryan cultural type in the Donets Basin. V. M. Gladilin. *Arkheologiya*, 1971, 11: 26.

AN USSR Sci B 29 no 1 203-218 Apr 1961

mechanical properties, and the possibility of direct thermal and chemical treatment.

NURSERY, 1111 20th St., N.E., Wash., D.C.

termining aggregate hardness of rocks, V. V. Serebri-
n, I. Alekshin, V. Ushakov, N. N. 1961, 1962, 1963,
the characteristics of these rocks.

ITS BASIN—COAL GEOLOGY

duction of thickness of coal seams in Donets Basin
process of carbonification, A. S. Prokhorchenko, Izv. Akad. Nauk SSSR, 1964, No. 1, p. 100.

ETS BASIN—COAL, MINES AND MINING

ETS BASIN—COAL MINES AND MINING (1957)

T'S BASIN—COAL MINES AND MINING. LAUREN

TS BASIN—COAL MINES AND MINING—FIRE.

where $\alpha_0 = 1$ and $\alpha_i = 1 - \beta_i$.

DONETS BASIN—COAL, MINES AND MINING—LABOR PRODUCTIVITY

Ten thousand tons of coal in a month with the "Tcherveta" cutter-loader. V. A. Zil'fman, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—COAL, MINES AND MINING—MANAGEMENT

At the seminar on adopting scientific approach to work in coal mines of Kuznetskoye' Trust. V. A. Dudko, V. M. Kochetkin, *Izvestiya* II no. 129, 1967, 167.

Corrections to design solutions regarding development works in coalfields of "Zapadne-Donbasskoye" No. 9 Mine. P. I. Mavryukha, N. T. Chelidze, A. V. Gvozdenko, *Izvestiya* II no. 129, 1967, 167.

Little bit of pollution of waste rock disposal in coal mines and coal preparation plants of Donets' Trust. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

The "Tcherveta" cutter-loader's coal mine is operating under new conditions. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

New equipment for coal mines. M. D. Bol'sh, *Izvestiya* II no. 129, 1967, 167.

Scientific approach to work. What experience in working on it. V. A. Mavryukha, M. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—COAL, MINES AND MINING—SAFETY MEASURES

Causes of the occurrence of sudden rock outbreak in coal and deep coal mines. G. D. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Important problems for further best conditions in deep Donets' coal mines. A. M. Kochetkin, I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

In the mines of the "Antitru" Trust. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

SAFETY MEASURES. The cause of another catastrophe in the mines of the Donets' Trust. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—COAL, MINES AND MINING—SCHEMATIC CONCEPTS

Concepts for development of coalfields in the Donets' Basin. V. A. Dudko, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—COAL, MINING MACHINERY DESIGN AND CONSTRUCTION

At the seminar for shield project design. G. D. Gerasimov, I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Technical effect of increasing the quality of shields in coal mines. V. A. Dudko, *Izvestiya* II no. 129, 1967, 167.

Shield project design. M. D. Bol'sh, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—COAL, POLARIZATION PLANTS EQUIPMENT AND SUPPLIES

Technical advantages of mechanical rock sampling in coal mines. I. I. Gerasimov, V. A. Dudko, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—COKE INDUSTRY—QUALITY CONTROL

Control in using Donets' Basin coke for smelting of steel. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—CONVEYING MACHINERY DESIGN AND CONSTRUCTION

New conveyor. I. I. Gerasimov, A. I. Gerasimov, V. A. Dudko, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—DESCRIPTION

Donets' Basin of the Donbass. M. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—ELECTRIC LINES OVERHEAD

Construction and testing of high-voltage lines in the Donets' Basin. V. A. Dudko, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—ELECTRIC POWER DISTRIBUTION

The Lenin Order Donets' Basin Electric Supply System. A. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—FURNACE, 1968

Study of the construction of Lenin's furnace in the northwestern part of the Donets' Basin. P. I. Mavryukha, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—HYDRAULIC MINING

Hydraulic mining. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Construction of coal-shipping conveyor systems. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—IRON SULFIDES

Study on distribution of mercury in iron disulfide from coal seams of central Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—MERCURY

Study on distribution of mercury in iron disulfide from coal seams of central Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—MERCURY ORES

Distribution of mercury in iron disulfide from coal seams of central Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—MINI-SUPPORTS DESIGN AND CONSTRUCTION

The "Donbass" approach to the "Donets' Basin" mini-supports. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—MINING GEOLOGY

Geology of the Donets' Basin. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—OIL DEPOSITS

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—OTOLARYNGOLOGY

Report on the work of the "Donets' Basin" Otolaryngology. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—SHIELD-SINKING SAFETY MEASURES

Technical effect of increasing the quality of shields in coal mines. V. A. Dudko, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—SHIP MINING

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—PARAMETER ESTIMATION

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—PHYTOPLANKTON

Seasonal changes in phytoplankton of the Donets' Basin. I. I. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—SOUTH AFRICA

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—SAFETY

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—TELEVISION AND RADIO

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—AGRICULTURE SAFETY MEASURES

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—ANTHROPOLOGY

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—WATER COMPOSITION

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DONETS BASIN—PLANTS

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DOUBLE REFRACTION—see Refraction, Double

DOUBLE SALTS—see Salts, Double

DOYCHALOV, NIKOLAI DMITRIYEVICH, 1888-1966

In memory of Nikolai Dmitriyevich Doychalov. *Izvestiya* II no. 129, 1967, 167.

DRAGONFLIES

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAINAGE

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAINAGE, MODIFIED

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA—HISTORY AND CRITICISM

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, HISTORICAL

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

DRAMA, MODERN

Study on distribution of hydrocarbons in the Donets' Basin. A. G. Gerasimov, *Izvestiya* II no. 129, 1967, 167.

Changes in the content of 5-hydroxytryptamine in enterochromaffin cells of the duodenum in experimental diplolelial intoxication B M Rozenman, K S Shadrin, et al. *Russk. lek. biol. med.* 63 no 5 41-44 My '67

Bile secretion in sheep following chronic fistulization of gallbladder and duodenum. I.S. Ivanov, Tindy Oren and Vses. fiziol. obshch. no 3 78-82 '64

Printed in the USSR by V. P. Shchegolev, M. Z.
Krasnaya Vopros 13 no 4 78-82 '67

Stomach ulcer and duodenal ulcer, a single disease or two different diseases? N Goldenberg and others. Sov. med 27 no 8 18-22 Ag '63.

1. Nat. museum in Tajikistan E. Shagalov (zv, AN
Tajik SSR Old, chshchestv, nauk no. 3 92-93 '66,

Study of allergens from domestic dust for the diagnosis
of bronchial asthma, Kh L. Galitsky, Pat. fiziol i
eksp terap 11 no 2 62-63 Mi-Apr '67

[Dust sucking parts of crushing and sorting equipment of stone and gravel plants, conical crusher] Obespylvalustchie ukrytita drobl'no-sortirovochnogo oborudovaniia kamneshebenochnykh zavodov, konusnaya duoblika Tol'lati, 1965, 211.

Results of the competition on dust removal in crushing and conveying plants of the nonferrous metal industry. V. A. Frolov, TSvet. met. 34 no. 7-93-94 JI '61.

Ways of reducing dust formation during rock drill operations V.F. Chub, V.G. Gilek Gorzhav. 112 no 3; 6'-68 M. 1967.

Vinkevich, G.A. [B. Dybowski; basic stages of his life and work] B I. Dybowski; osnovnye etapy zhizni i dela-tel'nosti. Irkutsk, 1981. 59 p.

Active dyes in asymmetrical analysis. V I. Mur, L.S. Krasnovskaja, A.I. Korolev. Dokl. AN SSSR 173 no.4: 837-838 Ap '67

Effect of air on the sorption of direct dyes by cellulose
fibers. N.D. Il'yashuk and others. Zhur. prikl. khim.
34 no.4 902-908 Ap 1981.

Compatibility of active dyes in binary mixtures. I. A.
Kon'kova, L I Belen'kil Tekst prom 27 no 4 66-
68 Apr 67.

Krichevskii, P.I. Sadov, N.M. Danilova. Tekst. prom.
27 no. 2, 54-55 F '67.

Dyeing of nitron with cation dyes. I.L.TSiganoskain,
N.I.Ignatik. Tekst.prom. 27 no.2,55-56 F '67.

Calculation of the resistance of plates and shallow shells
to the action of concentrated forces and momentum.
A. M. Kakushadze and others. Tudy GPI (Gruz.) no. 2,
107-123, 1964.

On the transverse component of the momentum of neutral strange particles, S.Zh. Apshev and others, Uch zap Kab. -Balk. gos. un. no. 13:155-161 '61.

Dynamometer with semiconductor strain gauges for measuring minor torques G I Smagin and others, Stan. i Insir 38 no. 4 35-36 Ap 197.

Recording dynamometer for mining machine, I. S. Liseva, P. G. Glimakov Mash. i Elektromekh. 1964, No. 12, p. 11.

Current problems of dysenterial epidemiology. *S. A. Skvortsov, Sov. med.* 1972; 10: 8. (1972) 8, 41-5.

Bacterial carrier state in persons having had disease . . .
 D.S. Putin, Azerbaidzhan. 11 no., 1966, p. 10.

[The nonsplit Dy101 absorption line of water at $\lambda = 1.91 \mu$ and Dy203 at $\lambda \approx 500^\circ\text{C}$] Neraushcheplennost' i svo-
pogloscheniia Dy101 enterennoi sily v Dy₂O₃ i
v $\approx 500^\circ\text{C}$ [by] V.V. Sklarovskii i dr. M.: Khim. i
0 p.

Phosphorites in volcanic siliceous sediments of the Cambrian of Delagado Range, E. I. of Madagascar, and others, Grönlund, *Geol. Mag.*, no. 1, 20-31, 1909.

Rational distribution of the productive forces of the USSR
Agitator 34 no. 8: 18-50 Apr 1973

Rational distribution of the productive forces. 1,917.
Agitator 31 no. 8:40-60 Apr '17.

Let us help the farmer. P. V. Shubla, A. L. Yon
Zashch, nat. 12 no. 4 in 947

The needs of B'hamhani railroad workers, 7-10-98
Narkho', Kazmeh, 10 mo. 1261 52 B'ham

[Solla of the Kazakh S.S.R., in 16 number of Pishch. i
zakhekol SSR v 16 vypuskakh. Alma-Ata,
No. 7. Asang I.A., and others. [Solla of the
but Provore] Poehiv Iakhtimulnuk otchit
1007 365 p.]

"Nepheloidal" facies of producing layer of sandstone
of Dzheganzekumaz Depression B A. Akhmedov
Dokl. Akad. Nauk SSSR 22 no. 11, 19-20 1968

Copper of Dzhezkazgan. I P. Zhurnaln. 1960, no. 3: 70-72. In Russ.

COPPER ORES
Cyclone grinding of Dzhezkazgan copper and concentrates for production of a rich matte, 3-10 Budon and others. Trudy Inst. metallog., 3:1-10, 1958, 10:3-10 '66.

others, "Tudy Inst.mat.i obog AN Kazakh SSSR",
1966.

Orientation of intermediata level fauna in the
I.I. Avdeev. Gen. zhur. 112 no. 3: 22. M. 1962

Recent tectonics of eastern Kazakhstan and Bel. 123
V. N. Krestnikov, G. I. Reizner. Geotektonika i tektonika
Mr-Apr 1977.

Intralumbar injection of streptomycin in otitis media with intracranial complications. M. D. Vasilenko, G. A. L. Zharovskiy, nos. 1991, 1992. Zh. nevrosh., nos. 1991, 1992. Zh. nevrosh., nos. 1991, 1992.

Zhur, nsh., nos. 1 gorl, bol. 20 no. 260-71. Mr. V. V.

1967. 129 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Results of radical ear surgery in the case of ...
ous paresis of the facial nerve. A.D. Matveev. 71 ...
ush, nos, i gorl. bol. 20 no. 2:66-68 M.-A. 1966

- EARTH—FIGURE**
Determining the figure of the earth from anomalies of the vertical gravity gradient. V. B. Nudol'nikov. *Dop. AN URSS Ser. B* 29 no. 12-55 Ja '67.
- EARTH—INTERNAL STRUCTURE**
Studying rocks under high pressures and temperatures of shock-wave compression. R. F. Trunin and others. *Izv. AN SSSR, Fiz. zem.* no. 9 1-12 '65.
- EARTH—ROTATION**
Rotation of the earth and sea currents. O. I. Mamnev. *Priroda* no. 3:17-52 Mi '67.
- EARTH—SURFACE**
Realization of isostatic equilibrium of earth's crust. F. V. Arinshikov. *Izv. AN SSSR Ser. geol.* no. 1 26-31 Ap '67.
- EARTH CURRENTS**
Compensation of magnetic perturbations due to electric railroads. V. I. Mikhalkina. *Geofiz. zap.* no. 27 82-92 '66.
- Free structure and P(Pel) polarization in tectonics. V. B. Iatskiy, V. P. Selivanov. *Geomag. i aer.* 7 no. 2 378-480 Mi-Apr '67.
- Relation of earth magnetic variations to the relief of the ocean bottom. I. I. Vanyan, G. A. Ponomarev. *Geomag. i aer.* 7 no. 2 380-382 Mi-Apr '67.
- EARTH DAMS**
Consideration of the settling of lower layers of earth in the construction of earthen hydraulic structures. V. V. Serdikova. *Energ. i el. no. 1* 36-37 Ja-F '67.
- Zhuravlev, G. I. [Earth dams]. *Zemlianye ploshch. Moskva, Kolos*, 1966. 270 p.
- EARTH MOVEMENTS**
Use of the methods of mathematical statistics in determining the relation between the height of floodplains and recent movements of the earth's crust. L. N. Bylinskaya. *Izv. AN SSSR, Ser. geol.* no. 2, 77-84 Mi-Apr '67.
- EARTH MOVEMENTS AND BUILDING**
Stability of subsurface control network. N. A. Baidakov, A. P. Stozhenko. *Geod. i kart.* no. 1 7-29 Mi '67.
- EARTH SCIENCES—CONGRESSES**
Conference on Project of Upper Mantle. *Geotektonika* no. 2 117-119 Mi-Apr '67.
- EARTH TEMPERATURE**
(see also subdivision under Minusinsk Basin; Pripet Valley)
Red coal. V. Nurshanov. *Neftnik* 10 no. 2:10-20 1' '65.
- EARTHQUAKES**
Mechanism of the generation of volcanic tremors and the remote forecast of eruptions. G. S. Shteinberg. *Dokl. AN SSSR* 165 no. 6 1294-1297 D '65.
- EARTHQUAKES AND BUILDING** see subdivision under Leningrad
- EARTHWORK**
Litvinov, I. M. [Apparatus for rapid determination of basic physical characteristics of soils in quality control of earthwork operations, report]. *Priboi dlia uskorenogo opredeleniia osnovnykh fizicheskikh kharakteristik gruntov pri kontrole za kachestvom proizvodstva zemliannykh rabot; nauchnoe soobshchenie.* Kiev, Izd-vo akhkh. Upratskol SSR, 1954. 20 p.
- EAST—HISTORY**
Basic problems in studying the history of the ancient East in the Far East. *Trudy Instituta dlia issledovaniia istorii i kul'tury narodov i gosudarstv Vostochnoi Azii* no. 1 107-115 Ja-Mr '67.
- EAST (FAR EAST)** see Far East
- EAST (NEAR EAST)** see Near East
- EAST (SOVIET FAR EAST)** see Soviet Far East
- EAST EUROPEAN PLAIN—GEOLOGY, STRUCTURAL**
Recent tectonics and seismicity of the East European Platform. N. I. Nikolaev. *Izv. AN SSSR, Ser. geol.* no. 2:13-27 Mr-Apr '67.
- EAST EUROPEAN PLAIN—GLACIAL EPOCH**
When did the ice melt on the Russian Plain? L. H. Serebrianyi. *Priroda* no. 3:53-60 Mi '67.
- EAST GERMANY** see Germany, East
- EAST KAZAKHSTAN PROVINCE—SCHOOLHOUSES**
Strengthen aid to schools. A. Sytochev. *Nar. khz.* Kazakh, 18 no. 12 61-62 D '60.
- EAST KAZAKHSTAN PROVINCE—SUNFLOWERS—DISEASES AND PESTS**
Controlling insect pests of sunflowers in eastern Kazakhstan. N. Gorbunov. *Zer. i masl. kul't.* 2 no. 5:40-41 '67.
- EASTERN EUROPE** see Europe, Eastern
- EASTERN ORTHODOX CHURCH** see Orthodox Eastern Church
- EASTERN SIBERIA** see Siberia, Eastern
- ECLIPSES, LUNAR**
Total lunar eclipse. M. M. Dagaev. *Priroda* no. 3:111 Mi '67.
- ECLIPSES, SOLAR—1961**
TV light observation during the solar eclipse of February 15 1961. A. D. Zamorskii. *Uch. zap. Kaz.-Bat' gos. un.* no. 13:50-53 '61.
- ECLOGITE—THERMAL PROPERTIES**
Thermoelectricity of eclogite and dolerite under high temperature. U. I. Molsenko, Z. A. Solov'eva, V. A. Kutoin. *Dokl. AN SSSR* 173 no. 3 669-671 Mr '67.
- ECONOMIC DEVELOPMENT**
Capitalist and noncapitalist development. V. I. Pinguin. *Mezhdunar. zhurn'* 11 no. 3 71-77 '67.
- How V. I. Lenin worked out the theory of the noncapitalist development of underdeveloped countries. V. P. Trubnikov. *Trudy TashGU* no. 287 5-11 '66.
- Marxism-Leninism on social development. *Komm. Voenzh. St.* 48 no. 8:72-78 Ap '67.
- ECONOMIC GEOGRAPHY** see Geography, Economic
- ECONOMIC HISTORY**
Economic information. *Mit. ekon. i mezhdunar. otn.* no. 4:134-136 '67.
- ECONOMIC HISTORY—CONGRESSES**
The all-Union conference of economists and historians. V. Bakhtadze. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 1 131-137 '67.
- ECONOMICS**
(see also subdivision under Azerbaijan)
Bourgeois political economy and the investment policy. A. Mileikovskii. *Mit. ekon. i mezhdunar. otn.* no. 4:14-20 '67.
- Commodity and monetary forms under socialism. A. Zhernina. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 80-86 '67.
- Doctoral dissertations in 1965. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 1 131-132 '67.
- Economic laws, interests, and methods of economic activity. I. Abakum. *Kommunist* 11 no. 6 72-81 Ap '67.
- Effectiveness of accumulation and economic growth. I. Gorbunov. *Kommunist* 44 no. 8 88-97 My '67.
- Improving the utilization of the fixed capital is an important factor in lowering the production costs. N. B. Gasyanov. *Za tekhn. prog.* 7 no. 1:16-40 Ja '67.
- Initial category of the political economy of socialism. L. I. Avilov. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 11-18 '67.
- Mathematical methods in studying the economics of the socialist economy, and the economic theory. A. L. Lur'e. *Vest. Mosk. un. Ser. I. Ek.* no. 2 34-40 Mi-Apr '67.
- [Political economy; a course of lectures]. *Politika ekonomii, lektsii kursa.* Riga, Liesma. Book 2, 1965. 493 p. [In Latvian].
- [Political economy; precapitalist and capitalist methods of production]. *Politicheskaya ekonomiya, dokapitalisticheskie i kapitalisticheskie sposoby proizvodstva.* Pod red. E. A. Bregel' i A. D. Smirnova. Moskva, Vysshaya shkola, 1966. 571 p.
- (CSI-II)
Socialist commodity production and the economic reform. S. Kikilov. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 10-27 '67.
- V. I. Lenin's struggle against bourgeois economic theories. L. I. Savianskaya. *Trudy TashGU* no. 287, 83-89 '66.
- ECONOMICS—BIBLIOGRAPHY** see Bibliography—Economics
- ECONOMICS—PERIODICALS** see subdivision under Great Britain
- ECONOMICS—STUDY AND TEACHING**
The economic reform and the training of engineers in economics. S. A. Sarkisyan. *Vest. vys. shkoly* 25 no. 3:25-30 Mr '67.
- ECONOMICS—TERMINOLOGY**
Systematizing conventional terminology in economics. Z. S. Zhdanova. *Vest. Mosk. un. Ser. I. Ek.* no. 2 64-70 Mr-Apr '67.
- There is need for standard terminology. I. U. Demin, V. Kolesov. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4:136-139 '67.
- ECONOMICS, MATHEMATICAL**
Kovalevskii, A. M., and A. E. Perel'man. [Method of using mathematical economics methods and electronic computers in the automated system of continuous operation planning and management of production]. *Metodika primeneniia ekonomiko-matematicheskikh metodov i EVM v avtomatizirovannoi sisteme nepreryvnogo operativnogo planirovaniia i upravleniia proizvodstvom.* Moskva, Ekonomika, 1967. 118 p.
- Mathematical methods and planning for the work of agricultural aviation. G. Matveenko. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 85-87 '67.
- Mathematical methods in studying the economics of the socialist economy, and the economic theory. A. L. Lur'e. *Vest. Mosk. un. Ser. I. Ek.* no. 2 34-40 Mi-Apr '67.
- EDU-151EIN, VITALII IVANOVICH, 1881-1905**
In memory of Vitalii Ivanovich Edukshin. *Izv. T'skara* no. 1 226-229 '66.
- EDIGAROV, AGA BEK, 1823-1892**
Agā bek Edigarov (1823-1892), the first Azerbaijanian educated at the Saint Petersburg University. N. A. Tahirzade. *Dokl. AN Zerb. SSR* 22 no. 11:60-74 '66.
- EDUCATION**
(see also subdivision under Armenia; Moscow; Smey Province; Tatar A. S. S. R.; Ukraine; United States; Uzbekistan, Vietnam, North; Yakutia)
Education abroad, according to TASS Agency material. *Sov. pedagog.* 31 no. 1:113-117 Ap '67.
- Facts and figures. *Vest. vys. shkoly* 25 no. 3:99 Mr '67.
- Good initiative and useful work. *Nar. obr.* no. 4 17 Ap '67.
- Great is the road of our people. *Nach. shkola* 35 no. 1 11-16 Ap '67.
- In comparison with the past. K. Gellanova. *Sem'ia i shkola* 22 no. 3:17 Mi '67.
- Kostashkin, E. G. [Extended-hour school]. *Shkola problemnogo dnia.* Moskva, Prosveshchenie, 1966. 108 p.
- (NIC)
Krukin, V. M., I. U. A. Konarzhevskii, and V. D. Khomutskii. [The school and society]. *Shkola i obshchestvennost'.* [Chelabinsk] Uzhno-Ural'skoe knizhnoe izd-vo, 1966. 47 p.
- Narodnoe obrazovanie v Sovetskoi SSSR. Public education in the Soviet Union, 1963-1964. Moskva, M-vo prosv. RSR, 1964. 109 p. [In Russian, English, French, and Spanish].
- News in education, from various countries. *Nar. obr.* no. 1:112-113 Ap '67.
- Schools of general, trade, and vocational education. *Shkola i prodv.* 11 no. 3:3-6 Mi '67.
- Unknown articles by Nechul'-Levytskyi on public schools. O. Del. *Rud. lit.* 11 no. 2:74-77 1' '67.
- EDUCATION—AIMS AND OBJECTIVES**
Questions of educational experience. A. Lavshin. *Nar. obr.* no. 4:20-20 Ap '67.
- The socialist revolution and education. I. G. Kurolev. *Sov. pedagog.* 31 no. 4:16-37 Ap '67.
- EDUCATION—BIBLIOGRAPHY** see Bibliography—Education
- EDUCATION—DICTIONARIES**
[Education of children in the family; a dictionary for parents]. *Shkola dlia roditel'.* Moskva, Prosveshchenie, 1967. 349 p.
- EDUCATION—EXHIBITIONS AND MUSEUMS**
An exhibit of technical creations. *Sred. shkola* obr. 11 no. 3 30-32 Mr '67.
- A review and exhibition of the results of work. I. Cherenishvili. V. Seipokryl. *Sred. shkola* obr. 14 no. 3 33-34 Mi '67.
- EDUCATION—EXPERIMENTAL METHODS**
(see also subdivision under Moscow)
Effectiveness. M. A. Mel'nikov. *Sov. pedagog.* 31 no. 4:70-75 Ap '67.
- The family and the extended school day. E. G. Kostashkin. *Sov. pedagog.* 31 no. 4:17-57 Ap '67.
- EDUCATION—FINANCE**
Economic questions of general secondary education. L. V. Cherkashyn. *Rud. shk.* 45 no. 4:40-54 Ap '67.
- Preschool education and the budget. V. Basov. *Doshk. vosp.* 40 no. 4:96-97 '67.
- EDUCATION—PERIODICALS**
Read this in periodicals! *Nar. obr.* no. 4:126 Ap '67.
- EDUCATION—STUDY AND TEACHING** see subdivision under Cherepovets (Vologda Province)

ELASTIC WAVES (Continued)

- Possible application of surface elastic waves in studying surface characteristics of nonhomogeneous media. A. A. Ruzhichin, S. K. Savvinikh. Izv. vser. bel. in. p. 111-113. Apr. 1967.
- Propagation of waves in reinforced media. G. A. Weng. Izv. vser. bel. in. p. 114-115. Apr. 1967.

ELASTIC WAVES—SPEED

- Measuring the velocity of longitudinal elastic waves in rock samples at pressures up to 10,000 kg/cm². M. P. Volynovich. A. I. Tsvetkov. Dokl. AN SSSR 165 no. 6 1267-1269. D. 1965.

ELASTICITY

- Amplitude dependence of energy dissipation in materials under harmonic loading. V. O. Kuznetsov. Dop. AN URSS 1967 no. 151-155. In 1967.
- Approximate determination of the critical force of some elastic systems. V. S. Bannikov, V. V. Kiselevskiy. Dop. AN URSS 1967 no. 10 1295-1297. 1967.
- Contributing to theory of dynamics of elastic systems. K. K. Kuznetsov and others. Izv. vser. bel. in. p. 116-117. Apr. 1967.
- Dynamic asymmetric problem in the theory of elasticity for multiply connected regions. O. M. Il'in. Dop. AN URSS 1967 no. 153-155. Apr. 1967.

- Plastic conditions and some features of electronic structure of certain bodies of refractory compounds obtained with metal standards. I. N. Kuznetsov, L. A. Zharzhovskiy. A. I. Tsvetkov. Izv. AN SSSR, Neorg. mat. 1 no. 1, 6-16. Jan. 1967.

- General solutions to three-dimensional linearized equations in elastic stability theory. O. M. Il'in. Dop. AN URSS 1967 no. 156-160. In 1967.

- Inversion of a strip into a plane deformation band. A. A. Il'in. Izv. vser. bel. in. p. 117-118. Apr. 1967.

- Analysis of the solution of problems in the theory of elasticity. B. M. Lel'man. Prikl. mekh. 1 no. 1, 85-95. Apr. 1967.

- A method of determining the viscoelastic behavior of polymers in bulk. V. G. Gromov. Dokl. AN SSSR 165 no. 2, 200-201. Mar. 1967.

- Steady-state waves in an inhomogeneous elastic half-space of the waveguide type. A. G. Alekseyev. Prikl. mekh. 1 no. 2, 133-134. Mar. 1967.

- Stability of a three-dimensional generalized problem. I. P. Lashin. Dokl. AN SSSR 165 no. 5, 100-101. Apr. 1967.

- Steady-state of a fluid. A. I. Tsvetkov. Izv. vser. bel. in. p. 119-120. Apr. 1967.

- Using the method of p-analytical functions in solving asymmetric contact problems for the half-space. L. I. Maslennik. Prikl. mekh. 1 no. 3, 100-106. Mar. 1967.

ELASTICITY—BOUNDARY VALUE PROBLEMS

- Boundary value problems in the stability theory of elastic bodies. A. M. Volynov. I. A. Lashin. Dokl. AN SSSR 165 no. 5, 102-103. Apr. 1967.

ELECTRONS

- Before the electrons. A. I. Tsvetkov. Izv. vser. bel. in. p. 121-122. Apr. 1967.
- Electrons to the systems of material particles. A. I. Tsvetkov. Izv. vser. bel. in. p. 123-124. Apr. 1967.
- Everyone to the pull of force. A. I. Tsvetkov. Izv. vser. bel. in. p. 125-126. Apr. 1967.

ELECTRONS

- Method of the modulated current in the photoelectron region. D. G. Gromov, D. V. Gromov, V. P. Zolotarev. Izv. vser. bel. in. p. 127-128. Apr. 1967.

ELECTRIC APPARATUS AND APPLIANCES

- Device for measuring the induction coil capacitance. V. A. Zakharenko. Izv. vser. bel. in. p. 129-130. Apr. 1967.
- The method for changing the high pressure and temperature. A. I. Tsvetkov, I. I. Kiselevskiy, S. I. Vlasov. Izv. vser. bel. in. p. 131-132. Apr. 1967.
- Operation, V. A. [Operation and repair of low-voltage measuring equipment]. Minsk: Bel. in. p. 133-134. 1967.

- Through the paper of technical magnetics. Izv. vser. bel. in. p. 135-136. Apr. 1967.

ELECTRIC APPARATUS AND APPLIANCES—RELIABILITY

- Determination of the reliability of elements using data on their initial period of operation. D. I. Lashin. Izv. AN SSSR 165 no. 1, 255-256. Apr. 1967.

ELECTRIC ARC

- Applying a low-temperature cesium plasma. N. A. Volynov, R. E. Gromov, V. P. Zolotarev. Zhur. tekhn. fiz. 37 no. 5, 901-902. Mar. 1967.

- Determination of the characteristics of the column of an arc. A. I. Tsvetkov, O. S. Il'in, P. K. Kuznetsov. Izv. vser. bel. in. p. 137-138. Apr. 1967.

- Effect of a transferred substance on the spatial distribution of the column of the sample in an electric arc. A. I. Tsvetkov. Zhur. tekhn. fiz. 37 no. 5, 903-904. Mar. 1967.

- Experimental determination of the parameters of a d.c. arc. A. I. Tsvetkov. Izv. vser. bel. in. p. 905-906. Mar. 1967.

- High-pressure pulses are in helium and hydrogen. B. Kiselevskiy and others. Zhur. tekhn. fiz. 37 no. 5, 907-908. Mar. 1967.

- Measurement errors in the determination of the temperature of an electric arc. S. A. Solodovnikov. Izv. vser. bel. in. p. 139-140. Apr. 1967.

- Measurement of the power and energy of an electric arc. A. I. Tsvetkov, B. Kiselevskiy, L. B. Kiselevskiy. Izv. vser. bel. in. p. 141-142. Apr. 1967.

- Methods for numerical integration of the differential equations of an arc column. L. K. Kiselevskiy, O. S. Il'in, P. K. Kuznetsov. Izv. vser. bel. in. p. 143-144. Apr. 1967.

ELECTRIC BATTERIES

- Deet a new internal chemical battery of electric current. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin, P. K. Kuznetsov. Izv. vser. bel. in. p. 145-146. Apr. 1967.

ELECTRIC BREAKDOWN AND BREAKDOWN, LIBERTY

ELECTRIC CABLES

- Achievements of science and technology: Electric engineering materials, electric components, wires, and cables. Izv. vser. bel. in. p. 147-148. Apr. 1967.
- Method for calculating the parameters and secondary parameters of a cable pair of radio frequency cables. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 149-150. Apr. 1967.

- Method of determining phenomena on communication cables. V. P. Zolotarev, V. I. Dushin, V. P. Zolotarev. Izv. vser. bel. in. p. 151-152. Apr. 1967.

- Method for measuring cable length. L. I. Tsvetkov. Izv. vser. bel. in. p. 153-154. Apr. 1967.

- Method for calculating the parameters and secondary parameters of a cable pair of radio frequency cables. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 155-156. Apr. 1967.

ELECTRIC CABLES—MAINTENANCE AND REPAIR

- Design data on a coupled cable cable for heating. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 157-158. Apr. 1967.

ELECTRIC CAPACITANCE

- Capacitance of the Helmholtz capacitor in a medium. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 159-160. Apr. 1967.

- Measurement of the differential capacity of gallium at high concentrations of electrolyte. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 161-162. Apr. 1967.

- Study of the absorption of ultraviolet radiation in a medium. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 163-164. Apr. 1967.
- Study of the absorption of ultraviolet radiation in a medium. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 165-166. Apr. 1967.

ELECTRIC CHARGE AND DISTRIBUTION

- Distribution of electric charge on a thin layer of a solid dielectric. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 167-168. Apr. 1967.

ELECTRIC CURRENT

- A case of a nonuniformly distributed current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 169-170. Apr. 1967.

- Charge exchange of an electron in a medium. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 171-172. Apr. 1967.

- Formation of a charge in a dielectric medium. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 173-174. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 175-176. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 177-178. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 179-180. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 181-182. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 183-184. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 185-186. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 187-188. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 189-190. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 191-192. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 193-194. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 195-196. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 197-198. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 199-200. Apr. 1967.

- Induced current in a cable. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 201-202. Apr. 1967.

- New relationship between the kinetic characteristics of thermal decomposition and electric conductivity of carbon and nickel for mixtures. B. V. Lashin, M. V. Lashin, L. I. Tsvetkov. Dokl. AN SSSR 165 no. 3, 602-603. Mar. 1967.

- Semiconductor properties of nickel oxide single crystal. A. I. Tsvetkov, B. L. Lashin, V. S. Lashin. Izv. vser. bel. in. p. 193-194. Apr. 1967.

- Stability of a direct electric current and the frequency dependence of the conductivity of a medium. A. I. Tsvetkov. Dokl. AN SSSR 165 no. 3, 604-605. Mar. 1967.

- Studying the mobility of current carriers in diamonds. A. I. Tsvetkov, V. S. Lashin. Izv. vser. bel. in. p. 195-196. Apr. 1967.

- Theory of kinetic phenomena in semiconductor with low mobility. A. I. Tsvetkov. Izv. vser. bel. in. p. 197-198. Apr. 1967.

- The conductivity of tellurium in solid and liquid state. L. V. Lashin, B. L. Lashin, V. S. Lashin. Izv. vser. bel. in. p. 199-200. Apr. 1967.

- The conductivity of tellurium in solid and liquid state. L. V. Lashin, B. L. Lashin, V. S. Lashin. Izv. vser. bel. in. p. 201-202. Apr. 1967.

ELECTRIC CONTACTS

- Highly effective method of electrical contact. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 203-204. Apr. 1967.

- Chemical method of preparing a charge mixture for contacts. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 205-206. Apr. 1967.

- Heating of contacts and conductors in a vacuum. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 207-208. Apr. 1967.

ELECTRIC CONTROLS

- Electrical control and control of application of a nonlinear element in a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 209-210. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 211-212. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 213-214. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 215-216. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 217-218. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 219-220. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 221-222. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 223-224. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 225-226. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 227-228. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 229-230. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 231-232. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 233-234. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 235-236. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 237-238. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 239-240. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 241-242. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 243-244. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 245-246. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 247-248. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 249-250. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 251-252. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 253-254. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 255-256. Apr. 1967.

- Some problems involved in the design and operation of a control system. A. I. Tsvetkov, V. P. Zolotarev, V. I. Dushin. Izv. vser. bel. in. p. 257-258. Apr. 1967.

Intensity change in the emission spectra of alkali metals in a flame during electrolysis and the equilibrium during ionization caused by a constant electric field. V. A. Kozlov, V. S. Kozlovskiy, L. T. Shtikova, Zhur. tekhn. fiz. 6 no 4 431-436 Ap '67.

Intensity distribution in the hydrogen lamp spectrum in the 2500-1100 Å wavelength region. V. I. Gladushchik, I. I. Shender, Zhur. tekhn. fiz. 6 no 4 437-440 Ap '67.

Kinetics and mechanism of conversion of simplest hydrocarbons in glow discharge at low pressure. E. N. Borisov, E. N. Eremin, Zhur. fiz. khim. 41 no 1 757-763 Ap '67.

Measuring the density of mercury vapor under nonstationary discharge conditions. V. I. Barstina, L. A. Sena, Zhur. tekhn. fiz. 37 no 5 538-541 Mr '67.

Mercury ionization radiation of anomalous intensity by gas-discharge plasma. V. I. Kazanskaya, V. B. Astashev, Radiotekhn. i elektron. 12 no 4 738-739 Ap '67.

Nature of mobile states near boundary and their disappearance at pressure decrease. A. A. Zaitsev, B. N. Sh. Pfan, Radiotekhn. i elektron. 12 no 4 736-739 Ap '67.

Pulse arc in argon at pressures up to 10^5 mm Hg (1000 at). F. S. Ponomarev and others, Zhur. tekhn. fiz. 37 no 4 703-709 Ap '67.

Results in the case of an intensive superhigh frequency discharge. A. P. Motolenko, E. V. Belousov, Zhur. tekhn. fiz. 37 no 5 903-903 My '67.

Some results in studying high-voltage pulse discharge in long pipes. V. N. Kostin, N. I. Vmukurov, V. V. Belous, Zhur. tekhn. fiz. 37 no 5 873-876 My '67.

ELECTRIC DOUBLE LAYER

Effect of organic impurities in water on the results of electrochemical measurement. N. P. Beizerina, N. V. Adolova-Fedorovich, Mekh. khim. 3 no 2 255-259 '67.

ELECTRIC DRIVING

Calculation of a series of asynchronous electrical drives with AN UM 3P saturable reactor. M. M. Sokolov, V. V. Moskalenko, A. V. Shumskiy, Trudy MEI, no 66 107-124 '66.

Choice of chain-type variable-ratio transformers for the drive of machines of the light industry. V. P. Seduk, Tekhn. 8 no 2 19-21 Mr '67.

Construction of a control system of a high-speed reversing electric drive of a generator-motor system with feedback control of the generator. V. A. Bakshi, D. A. Perelut, Elektromashinost. i elektron. 11 no 1 10-17 '66.

Determination of the parameters of an inertial controller of the cage speed of a continuous sheet-rolling mill. V. P. Buehkov and others, Trudy MEI, no 66 223-242 '66.

Efficient and optimal control of metallurgical electric drives. V. I. Arkhangelskiy, Elektromashinost. i elektron. 11 no 4 107-118 '66.

Evaluation of the effect of cooling on the selection of the power rating and torque of a drive motor. I. A. Gorbunov, S. A. Mazepa, Elektrotehnika 38 no 1 51-57 Mr '67.

Experimental study of an electrical drive with a machine having double feed during two-zone regulation of the speed of rotation. L. A. Shapko, Trudy MEI, no 66 83-92 '66.

Graphical method for analyzing and synthesizing independent system for feeding d.c. motors from regulated power sources. A. M. Korytin, V. M. Lopushanskiy, Elektromashinost. i elektron. 11 no 4 10-20 '66.

Onishchenko, G. B. [Asynchronous rectifier stage] Asin-fornnyy ventil'nyy kaskad, Moskva, Energiya, 1967, 152 p.

Optimizing control of the armature voltage of rolling motors or roughing mills with damping speed equal to rejection speed. K. I. Kozhevnikov, Izv. vuz. vychob. zav., elektron. 11 no 2 199-208 F '67.

Present state and prospects for the development of discrete types of drives with step-by-step motors. M. G. Chilikin, B. A. Ivobotenko, Trudy MEI, no 66 5-18 '66.

Selection of the power rating of a rolling mill motor as an element of the control system of a continuous mill. M. I. Fainberg, Elektromashinost. i elektron. 11 no 4 126-131 '66.

Special features of the operation of asynchronous stages with alternating impact load. A. G. Sandler, M. I. A. Chebichelov, Trudy MEI, no 66 93-106 '66.

Static analysis of experimental dynamic characteristics of electric drives. A. S. Palukh, V. O. Kuri-Umerov, Elektromashinost. i elektron. 11 no 4 3-9 '66.

Study of an asynchronous electrical drive with thyristor voltage control. M. G. Chilikin, L. S. Kozlitsin, Trudy MEI, no 66 261-276 '66.

Thyristor d.c. drive with a small power rating. D. N. Zimin, S. I. Popov, Trudy MEI, no 66 243-260 '66.

Transient processes in a square-law system. V. P. Bykhov, Trudy MEI, no 66 207-224 '67.

Universal dynamic characteristics of standard step-by-step systems of a stepping electric drive. M. G. Chilikin, B. A. Ivobotenko, V. V. Kireev, Trudy MEI, no 66 39-52 '66.

ELECTRIC ENGINEERING—CONGRESSES

Regular meeting of the TK-45 committee of the International Electrotechnical Commission. M. M. Kitayev, V. V. Matveyev, V. S. Zhernov, Atom. energ. 22 no 3 242-243 Mr '67.

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC

[General electrical engineering: a manual on the solution of problems] Obshchaya elektrotekhnika: resheniye zadach [By] I. I. Demushkin i dr. Moscow, 1966, 224 p.

ELECTRIC ENGINEERING—SAFETY MEASURES

All-Union scientific technological conference on safety. V. P. Kornilov, Bezopasnost' pri rabote s elektricheskimi mashinami i ustroystvami, 60-62 My '67.

ELECTRIC EQUIPMENT INDUSTRY

see subdivision under Moscow, Riga

ELECTRIC EQUIPMENT INDUSTRY—ACCOUNTING

see subdivision under Moscow

ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT

see subdivision under Leningrad, Chelny

ELECTRIC FIELDS

Applying the method of direct determination of the intensity in calculating plane-polarized fields. A. I. Zhur. tekhn. fiz. 37 no 5 541-546 Mr '67.

Behavior of GaAs in strong electric fields. I. D. Chuk, A. D. Danilova, Fiz. i tekhn. poluprov. 1 no 4 510-512 Ap '67.

Dielectric separation of gold hollows. V. A. V. Zhur. tekhn. fiz. 37 no 5 541-546 Mr '67.

Effect of a strong electric field on the conductivity of a p-type antimonite monocrystal. I. A. J. Pavla, R. I. Fokhtman, Fiz. i tekhn. poluprov. 1 no 3 110-114 Mr '67.

Effect of a strong electric field on the conductivity of indium antimonide. I. I. Vorobey and others, Fiz. i tekhn. poluprov. 1 no 1 115-116 Jan '67.

Electric field gradient on InAs and GaInAs monocrystals elastically deformed in the direction of the field. V. V. Lamanov, Fiz. i tekhn. poluprov. 1 no 4 510-512 Ap '67.

Intensity change in the emission spectrum of alkali metals in a flame during electrolysis and the equilibrium shifting of ionization caused by a constant electric field. V. A. Kozlov, V. S. Kozlovskiy, L. T. Shtikova, Zhur. tekhn. fiz. 6 no 4 431-436 Ap '67.

Low-cyclotron plasma instability in a strong magnetic field. V. P. Shilin, Zhur. tekhn. fiz. 37 no 5 903-903 My '67.

Mechanism of the effect of water vapor on low-frequency processes of the field effect. S. N. Kozlov, V. P. Shilin, Fiz. i tekhn. poluprov. 1 no 1 500-501 Jan '67.

Modulation effect of the absorption coefficient of a doped germanium by an electric field. A. A. Rykova, S. M. Rykova, Fiz. i tekhn. poluprov. 1 no 1 500-501 Jan '67.

Motion of solid particles in variable electric fields. I. D. Sakalova, Ucheb. zap. MGPI, no 197 50-52 '66.

Observability of dislocation mobility in contact with the means of electric effect. V. I. Kuznetsov, Fiz. i tekhn. poluprov. 1 no 4 1050-1052 Ap '67.

Oscillations of an adherent droplet in an electric field. G. A. Ostoumov, Izv. AN SSSR, fiz. i tekhn. 1 no 2 84 '66.

Plastic deformation of germanium in an electric field. T. A. Kontorova, Fiz. i tekhn. poluprov. 1 no 1 155-156 Jan '67.

Separability of gold hollows in an electric field of a electrode. T. S. Raikhenberg, Ucheb. zap. MGPI, no 21-20 '66.

Some physical processes in rock salt in bounded electric fields. G. A. Vorobey, I. S. Plikova, Fiz. i tekhn. poluprov. 1 no 1 661-666 Ap '67.

Steady state of a plasma in a strong superhigh frequency field. R. Klina, Zhur. tekhn. fiz. 37 no 5 903-903 My '67.

Studying a "flash" of the infrared photoconductivity of silicon in a nonquasiuniform field effect. I. A. O. V. Sukko, Fiz. i tekhn. poluprov. 1 no 1 160-161 Jan '67.

Theory of electroconductivity of multivalley semiconductors in strong electric fields. S. V. Gaidukovich, Fiz. i tekhn. poluprov. 1 no 3 909-917 Mr '67.

Theory of first and second sound absorption in an electric field. A. N. Petrov, G. G. Tolstoy, Fiz. i tekhn. poluprov. 23 no 4 802-805 Ap '67.

Use of Jacobian matrices for the calculation of electric fields in electrolytes by the straight line method. A. I. Ivanov, A. I. Nikolaev, I. V. Shilov, Mekh. i fiz. 3 no 2 246-249 '67.

Yield of gas from the surface of insulators in a strong electric field in a vacuum. A. A. Avdinskii, A. V. Kozlov, Zhur. tekhn. fiz. 37 no 5 533-537 Mr '67.

ELECTRIC FIELDS—THERAPEUTIC USE

Use of ultrahigh frequency pulsed electric field as a physical factor in acute inflammatory infiltration of lymphadenites. M. N. Starikova, Sovmed. 3 no 1 66-68 Mr '67.

ELECTRIC FILTERS

Calculation and design of wave guide and coaxial filters with direct coupling of resonators. A. M. Mikhlin, Elektrosvya' 21 no 3 333-337 Mr '67.

- ELECTRIC FILTERS (Continued)**
Regenerative tracking filter. I. G. Rodionov. Radio-
tekhnika i elektronika 12 no. 1:741-741 Apr '67.
Smoothing characteristics of nonlinear filters using
p-n junction capacitance. G. I. Il'in, V. A. Lososovskii.
Radioelektronika 12 no. 2:379-380 Apr '67.
Smoothing filters. Radio 10 no. 2:17 Apr '67.
Technological advice. Filter for a transistor radio.
Radio 10:52-53 Jan '67.
- ELECTRIC FISHING**
Possibilities for electric fishing at daylight. A. N. Shabanov. Ryb. khoz. 13 no. 3:11-13 Apr '67.
- ELECTRIC FURNACES**
Lining high frequency furnaces for the smelting of copper-chromium addition alloys. I. A. P. Shabashov and others. Tsvet. met. 31 no. 7:81-81 Jul '67.
- ELECTRIC FURNACES—DESIGN AND CONSTRUCTION**
Heat structure in an open furnace for smelting silico-manganese. I. T. Zherdev and others. Izv. vuz. ucheb. zav., elektromet. 10 no. 1:17-19 Apr '67.
Service of hearth bottoms in 30-ton electric furnaces without rammed layers. V. I. Pashchenko, V. I. A. Monastyrskii. Metallurg 12 no. 3:16-17 May '67.
- ELECTRIC FURNACES—EQUIPMENT AND SUPPLIES**
Smelting of electric manganese-aluminum steel under lime-alumina slag. V. I. Zhalybin and others. Stal' 27 no. 3:220-232 May '67.
- ELECTRIC FURNACES—THERMODYNAMICS**
Influence of the slag on heat processes in electric furnaces. V. E. Pirozhnikov. Stal' 27 no. 3:233-233 May '67.
- ELECTRIC GENERATORS**
Adjusting ultrashort wave automatic generators. V. M. Zuev. Vopr. priklad. fiz. 10 no. 1:71-73 May '67.
Calculation of electrostatic generators with cascade connection of conveyor conductors. V. A. Lukutina, V. D. Es'kov. Izv. AN SSSR, Energ. i transport. no. 2:91-99 May '67.
Capacitive self-excitation of an asynchronous generator. A. V. Novikov, S. G. Klurman. Izv. vuz. ucheb. zav., elektromet. no. 2:173-178 Apr '67.
Determination of an optimal law governing the excitation regulation of a synchronous generator of a complex system. B. A. Prakhin. Izv. vuz. ucheb. zav., energ. 10 no. 4:1-1 Apr '67.
Regulation of frequency and voltage of a shaft-driven a.c. generator system using a double-impulse hydraulic controller with induction action and sensor in the form of a load block. A. I. Kokhanskii, L. A. Orlov. Elektr. mashinostroitel'stvo, no. 4:69-80 Apr '67.
- ELECTRIC GENERATORS—MAINTENANCE AND REPAIR**
Turning of the hollow chambers of the shafts of TV-80-2 generators. N. I. Mamukh, A. M. Kukushkin. Energ. i elek. 15 no. 3:46 May '67.
- ELECTRIC GENERATORS—WINDINGS**
Methods for eliminating interturn short circuits in a rotor winding. M. N. Ponomarev. Energ. i elek. 15 no. 3:16-17 May '67.
- ELECTRIC INSULATORS AND INSULATION**
Bakelite connecting insulator with sectional end caps. V. P. Mekhin. Energ. i elek. 15 no. 1:23 Jan '67.
Characteristics of initial partial discharges in oil-saturated condenser paper insulation subject to a.c. potentials. I. U. S. Pustai. Izv. vuz. ucheb. zav., energ. 10 no. 4:10-21 Apr '67.
Controlling insulation conditions in mine networks of up to 1,000 V. G. E. Kashtyn, P. I. Eyshteyn. Vopr. bezop. v ugod' shakht 7:227-232 Apr '67.
Discharge potentials of line insulation during switching surges and heavy rains. I. U. M. Gutman, N. N. Tikhodanov. Izv. NIPT no. 12:35-47 Apr '67.
Effect of the mechanical deformation of compounded insulation on its electrical strength. I. U. M. Aramaitan and others. Trudy VNIIE no. 25:77-80 Apr '67.
Effect of the shape of rod-type insulators on their discharge characteristics in presence of solatara and contamination. S. D. Mikhalev, D. A. Solomonik. Izv. NIPT no. 12:62-69 Apr '67.
Electrical strength of high-voltage line insulator glass. V. A. Veselyi, N. A. Nikolaev. Elektr. i sist. no. 1:91-96 Apr '67.
Redesigning of the heads of 6-10 kv. pin-type support insulators. P. V. Bogoslovskii. Energ. i elek. 15 no. 1:21 Jan '67.
Statistical methods in studying strength and checking the quality of suspension insulators. E. V. Kalinin, A. I. Skolobodo. Izv. NIPT no. 12:114-125 Apr '67.
Yield of gas from the surface of insulators in a strong electric field in a vacuum. A. A. Avdenko, A. V. Kiselev. Zna. tekhn. 37 no. 3:533-537 May '67.
- ELECTRIC INSULATORS AND INSULATION—EQUIPMENT AND SUPPLIES**
Automatic magazine and shaping device for longitudinal application of film insulation. V. M. Gutman, A. I. Durnov, V. G. Rabenau. Mekh. i avtom. profiz. 21 no. 4:12-13 Apr '67.
- ELECTRIC INSULATORS AND INSULATION—TESTING**
Device of large-scale tests of the lg 5 of high-voltage insulation. P. M. Svi. Elektr. i elektronika 38 no. 3:50-51 May '67.
- Intensification of testing the insulation of electrical machines, transformers, and potentiometers. A. I. Burnashev and others. Elektr. i elektronika 38 no. 3:17-50 May '67.
- ELECTRIC LIGHTING**
Achromatic interval of flashing and constant light sources. R. L. Pot'ko, S. V. Voionna. Svetotekhnika 13 no. 5:22-23 May '67.
Calculation of a light distributing sealed beam source with a cupola-type lens. N. V. Chernyashov. Svetotekhnika 13 no. 5:21-27 May '67.
Determination of brightness of adaptation in the calculation of the discomfort index of lighting systems. M. M. Ppaneshnikov, N. A. Obrosova. Svetotekhnika 13 no. 5:15-18 May '67.
Determination of light flux by using light power curves with planimetry. V. I. Rychkov. Svetotekhnika 13 no. 5:28-29 May '67.
Letter to the editor. L. E. Sviatova, M. I. Epshtein. Svetotekhnika 13 no. 5:29 May '67.
Magneto instead of a generator. V. Shlapakov. Radio 10 no. 2:46 Apr '67.
Through the pages of foreign magazines. Svetotekhnika 13 no. 5:30 May '67.
- ELECTRIC LIGHTING, MERCURY VAPOR**
A portable source of ultraviolet radiation. I. A. Ab and others. (Grozit) app. no. 26:41-18 Apr '65.
- ELECTRIC LINES**
Calculation of the electric field of symmetrically coupled strip transmission lines in a d.c. mode of operation. I. S. Kovalov. Izv. vuz. ucheb. zav., energ. 10 no. 3:105-109 May '67.
Rules for electricians. A. A. Anisoshchenko. Energ. i elek. 15 no. 1:25 Jan '67.
- ELECTRIC LINES—MAINTENANCE AND REPAIR**
Holding device for replacing ST-21 lamps and fuses. B. S. Mikhailov. Energ. i elek. 15 no. 3:31-32 May '67.
- ELECTRIC LINES—OVERHEAD**
(see also subdivision under Donets Basin; Transcarpathia)
Analysis of climatic conditions for overhead power transmission lines. A. A. Lepilin. Energ. i elek. 15 no. 1:21-22 Jan '67.
Bakelite connecting insulator with sectional end caps. V. P. Mekhin. Energ. i elek. 15 no. 1:23 Jan '67.
Breakdown potentials of a valve-type magnetic lightning arrester during switching surges. I. U. M. Gutman. Izv. NIPT no. 12:40-51 Apr '67.
Decreasing the length of the anchor spans of electric power transmission lines. N. I. Mamukh. Energ. i elek. 15 no. 1:20-30 Jan '67.
Device for use in the construction of overhead power lines. Energ. i elek. 15 no. 2:54-55 May '67.
Discharge potentials of line insulation during switching surges and heavy rains. I. U. M. Gutman, N. N. Tikhodanov. Izv. NIPT no. 12:35-17 Apr '67.
- Dukin, G. S.** [Mounting of the wires of overhead power transmission lines on pin insulators] Montazh provodov lini elektropredachi na shlytsovykh izolatorakh. Izd. 2. Moskva, Energiya, 1967. 78 p. (Biblioteka elektromontera, no. 224)
- Electrical strength of high-voltage line insulator glass. V. A. Veselyi, N. A. Nikolaev. Elektr. i sist. no. 1:91-96 Apr '67.
Ice crust and wind damages of rural power distribution lines. D. V. Knutskii and others. Energ. i elek. 15 no. 2:15-17 May '67.
Ice cutting protective system of 35-220 kv power transmission lines. Energ. i elek. 15 no. 1:12-14 Jan '67.
Is it necessary to decrease the length of the anchor spans? V. K. Lezhnev. Energ. i elek. 15 no. 1:10-31 Jan '67.
Melting of ice crusts on the guard wires of electric power transmission lines. O. D. Parakanov. Energ. i elek. 15 no. 1:27 Jan '67.
Methods for calculating and studying radio interference from corona using a short experimental power transmission line. L. S. Porel'man. Izv. NIPT no. 12:3-22 Apr '67.
Organization of work in the construction of 35 kv. overhead power transmission lines. I. I. Ugal'tenko. Energ. i elek. 15 no. 1:5 Apr '67.
Possible means for decreasing the expenditure of metal in the transmission of electrical energy at large distances and wide-scale electrification of districts. G. I. Dushenko. Elektr. i sist. no. 1:10-27 Apr '65.
Redesigning of the heads of 6-10 kv. pin-type support insulators. P. V. Bogoslovskii. Energ. i elek. 15 no. 1:24 Jan '67.
Statistical methods in studying strength and checking the quality of suspension insulators. E. V. Kalinin, A. I. Skolobodo. Izv. NIPT no. 12:114-125 Apr '67.
Study of corona and radio interference generated by a 750 kv. cutout. F. G. Kaidanov, L. S. Porel'man. Izv. NIPT no. 12:23-34 Apr '67.
- ELECTRIC LINES—POLES AND TOWERS**
New types of poles for electric transmission lines in mountainous regions. A. N. Razmadze, R. I. Kokoshashvili. Trudy GPI [Gruz.] no. 2:230-243 Apr '64.
- Repair of reinforced-concrete poles using banding. N. I. Marfin. Energ. i elek. 15 no. 3:30-31 May '67.
- ELECTRIC LINES—UNDERGROUND**
[Action of permafrost phenomena on communication cables] Vozdeistvie mrozno-guntoykh lavlenii na kabeli svyazi. [By] I. U. G. Kulikov i dr. Moskva, Svyaz', 1967. 45 p. (Novoe v tekhnike svyazi)
- ELECTRIC LOCOMOTIVES—DESIGN AND CONSTRUCTION**
Pilot plant operation of high-frequency CRV-1 and 4,5RHV electric locomotives. I. I. Orlovskii, V. V. Khramov, N. V. Chalka. Mash. i obrab. met. i avtomatiz. bud. prots. v ugod' prom. no. 3:11-14 Apr '66.
- ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT**
Determination of optimal parameters of the smoothing reactors of electric locomotives with split magnetic circuits using an electronic computer. A. N. Shestakov. Izv. vuz. ucheb. zav., elektromet. no. 3:271-281 May '67.
Measurement of pulsating voltages in electric locomotives using a m.f. Hall transducer. N. M. Novomirko. Izv. vuz. ucheb. zav., elektromet. no. 3:287-291 May '67.
- ELECTRIC MACHINERY**
Oscillographic recording of temperature and deformations of the rotating parts of electrical machines. I. U. M. Gutman, L. A. Bulba, V. Z. Magarinskii. Trudy VNIIE no. 25:95-103 Apr '67.
Small oscillations of machines with binary feed operating in a synchronous mode with two-phase regulation of angular velocity. A. S. Samoil, L. A. Shapir. Trudy NIIE no. 65:60-87 Apr '66.
Telemetering system for measuring the temperature of the rotating units of an electrical machine. V. G. Kotova, A. I. Gail'din. Energ. i elek. 15 no. 3:37-39 May '67.
- ELECTRIC MACHINERY—DIRECT CURRENT**
Consideration of the transverse reaction of an armature in the calculation of transient processes in d.c. machines. B. V. Sidel'nikov. Izv. vuz. ucheb. zav., elektromet. no. 1:60-66 May '67.
Effect of current density beneath brushes on the commutation of d.c. machines. I. S. Mondelev, B. B. Ivats. Izv. vuz. ucheb. zav., elektromet. no. 3:362-361 May '67.
Large d.c. machine with a smooth rotor. M. R. Fainshtein. Energ. i elek. 15 no. 2:17-19 May '67.
- ELECTRIC MACHINERY—MAINTENANCE AND REPAIR**
Use of parts from glass teletype in the repair of electrical machines. B. M. Melanov. Energ. i elek. 15 no. 1:21-22 Apr '67.
- ELECTRIC MACHINERY—WINDINGS**
Similarity criteria and simulation of a rod heating process. I. I. Galov, V. K. Mshukov. Izv. AN SSSR, Energ. i transport. no. 2:110-125 May '67.
Study of the mechanical properties of cords and wires used in fastening the frontal parts of the stator windings of electrical machines. I. U. M. Aramaitan. Trudy VNIIE no. 25:90-94 Apr '66.
Use of automatic equipment in drying the windings of electric motors and transformers. M. N. Ponomarev. Energ. i elek. 15 no. 3:17 May '67.
- ELECTRIC MACHINERY, SYNCHRONOUS**
Methods and problems in the study of electromechanical processes of synchronous machines. I. U. M. Li'kand, Trudy VNIIE no. 25:5-28 Apr '66.
Parameters of a solid rotor of a nonsalient-pole synchronous machine. A. I. Vozhnev and others. Izv. AN SSSR, Energ. i transport. no. 2:86-93 May '67.
Redesigning of the ends of the contact ring chamber of a synchronous compensator. V. N. I'vonen'ev. Energ. i elek. 15 no. 3:20 May '67.
Single-armature synchronous frequency converter. B. A. Suminov, N. P. Semenov. Izv. vuz. ucheb. zav., elektromet. no. 2:180-185 Apr '67.
Study of excitation losses of all-purpose synchronous machines. A. G. El'shteyn. Elektr. i elektronika 38 no. 4:33-36 Apr '67.
Technical level of Russian low-power synchronous machines. V. Davtian, S. Khachaturian. Prom. Arm. 10 no. 3:16-18 Apr '67.
- ELECTRIC MACHINERY INDUSTRY—ACCOUNTING** see subdivision under Leningrad
- ELECTRIC MACHINERY INDUSTRY—QUALITY CONTROL**
Check of residual voltages in a cold-worked layer of steel items using two electromagnetic parameters. V. G. Pustynnikov, I. U. V. Likhachev. Izv. vuz. ucheb. zav., elektromet. no. 3:340-341 May '67.
- ELECTRIC MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS** see subdivision under Leningrad
- ELECTRIC MEASUREMENTS**
Check and power supply of d.c. apparatus. I. U. S. Kuznik. Energ. i elek. 15 no. 3:33-34 May '67.
Determination of the errors of output characteristics and parameter tolerances of measuring circuit elements. B. V. Karpiuk, V. V. Malinin. Avtomatiz. no. 1:3-16 Jan '67.

ELECTRICITY IN MINING—SAFETY APPLIANCES

The PMS-1 starter with sum circuit protection. G. V. Lunchevskii, V. M. Blagodatnyi, V. I. Ryzhii. Gos. izn. 142 no. 3 52-53 Mr '67.

ELECTRICITY IN MINING—SAFETY MEASURES

Characteristics of the lowering of temperature of the products of methane-air mixture explosion in interconnected shunting of explosion-proof electric equipment. A. A. Kanaev, A. N. Bana. Vop. bezop. v ugol' shakht 7 215-220 '66.

Controlling insulation conditions in mine networks of up to 1,000 V. G. I. Kashitsyn, P. I. Poryshov, Vop. bezop. v ugol' shakht 7 227-232 '66.

Effect of finish smoothness of surfaces on interconnecting of explosion-proof shunting on cooling of explosion products. A. I. Krutakov, A. G. Usaregimov, Vop. bezop. v ugol' shakht 7 307-311 '66.

Efficiency of explosion-proof couplings with flexible cushion pads. V. B. Ivanov. Vop. bezop. v ugol' shakht 7 213-219 '66.

ELECTRIFICATION

Economic problems and paths for the electrification of national economy. L. E. Kal'nikov, Trudy VZEL no. 30, 77-83 '66.

ELECTRIFICATION—EXHIBITIONS

New pavilion and new positions. V. N. Novitskii. Energetik 15 no. 1 15 Ap '67.

ELECTROACOUSTICS

Relaxation phenomena in dielectrics and semiconductors. Part I. P. T. Oreshkin, B. K. Starichenko, Izv. vyz. ucheb. zav., fiz. 10 no. 2 126-131 '67.

Some effects of the drag of particles by waves. V. I. Lianov, L. G. Sapozhin, Zhur. tekhn. fiz. 37 no. 1 621-632 Ap '67.

Theory of electroacoustic effects in solids. E. M. Eshel'tein. Dokl. AN SSSR 173 no. 2 320-322 Mr '67.

Theory of the acoustoelectric effect in dielectrics. I. V. Ioffe. Fiz. tver. tela 9 no. 3 916-918 Mr '67.

ELECTROCAPILLARY PHENOMENA

Capillary hysteresis in porous media. Part I: Mechanism of the removal of liquid from the medium. Method of calculation. V. P. Pastushenko, V. S. Markin, IU. A. Chizmadzev. Elektr. khim. 1 no. 2 111-112 '67.

Capillary hysteresis in porous media. Part II: Calculation of secondary capillary equilibrium. V. P. Pastushenko, V. S. Markin, IU. A. Chizmadzev. Elektr. khim. 3 no. 1 180-188 Ap '67.

ELECTROCARDIOGRAPHY

Communicating attachment and chair for electrocardiographic examination of persons with the VEK-01 apparatus. V. R. Stollanov and others. Voen.-med. zhur. no. 1 84-85 Ap '67.

Electrocardiographic changes in persons with impeded nasal respiration. D. S. Bleher, Zhur. uzh. med. i gor. bol. 20 no. 2 17-20 Mr-Apr '68.

Reflex self-regulation of the heart. Report No. 2: Efficient activity of cardiac branches of vagus nerves in cardio-cardiac reflexes. G. I. Samonina, M. G. Udel'nov, Nauch. dokl. vyz. shkoly, biol. nauk 10 no. 3 33-36 '67.

ELECTROCHEMICAL ANALYSIS

Coulometric determination of titanium (IV) at the controlled potential. L. B. Agaslan, V. G. Iushchenko, P. A. Agaslan. Zhur. anal. khim. 22 no. 2 229-231 F '67.

Electroanalytical study of polymetallic ores of the Georgian S.S.R. bismuth content. G. Saginadze, Trudy Tbil. GU 74 319-320 '67.

ELECTROCHEMISTRY

Adsorption of π -waves in the systems juglone - hydroquinone, methylene blue - leuco form, and hydroquinone - dihydroxybenzyl. G. A. Fedotadze, V. I. Khmel'nitskaya, I. A. M. Zolotovskii. Elektr. khim. 3 no. 2 200-203 '67.

Effect of exchange "cations" on the value of the potential of arsenite and gambir suspensions. A. Vaidukadze, Trudy Tbil. GU 71 203-209 '66.

Electrochemical behavior of copper in sulfuric acid solutions. N. N. Milutin. Zhur. prikl. khim. 31 no. 1 18-20 Ap '61.

Electrochemical behavior of germanium on a mercury electrode. V. P. Gladyshev, G. A. Temba, Trudy Inst. khim. nauk AN Kazakh, SSR 15 81-89 '67.

Electrochemical study of manganese amalgam. Report No. 2. A. A. Lange, S. P. Bukhman, Trudy Inst. khim. nauk AN Kazakh, SSR 15 60-80 '67.

Isomerization processes in electrochemical fluorination of amines. V. S. Plashkin and others. Zhur. VMO 12 no. 2 237-238 '67.

Method of manufacturing microelectrodes for electrochemical studies. L. N. Kodomskoi, V. M. Rudoi, A. I. Levin. Elektr. khim. 3 no. 1 480-500 Ap '67.

Panchenko, E. I., and A. S. Korovkin. [Cosmic electric power engineering] Kosmicheskaya elektroenergetika. Predl. N. S. Lidoenko, Moskva, Znanie, 1967, 30p. (Novoe v zhizni, nauka, tekhnika, IX Seriya: Fizika, astronomiya, 5)

Possibility of preparing stereoregular polymers by electrochemical means. G. S. Shapoval, E. M. Skobets, N. P. Markova. Dokl. AN SSSR 173 no. 2 302-304 Mr '67.

Potentials of copper amalgams. S. A. Levitskaya, A. I. Zebryna, Trudy Inst. khim. nauk AN Kazakh, SSR 15: 66-68 '67.

Role of ion exchange in the kinetics of high temperature oxidation of metals. O. A. Esim. Elektr. khim. 3 no. 2 226-231 '67.

Successes in the field of electrochemical preparation of organic compounds. M. I. Goshin, V. P. Tomilov. Khim. prom. 43 no. 4 3-12 Ap '67.

ELECTRODES

Approximate calculation of the geometry of electrodes for the formation of a cylindrical beam of charged particles. R. K. Chumov. Izv. vyz. ucheb. zav., fiz. 10 no. 1 87-92 '67.

Dynamic current-voltage electrode characteristics. V. I. Cherenko, K. I. Litvinenko. Elektr. khim. 3 no. 2 173-177 '67.

Effect of a thin diaphragm on discharge ignition potential in the region of the left branch of the Paschen curve. I. G. Goloshechkin, V. A. Ivanchenko. Izv. NIIT no. 12 194-201 '66.

Effect of nonionic amines and amides on carboxylic acids on the rate of electrode processes. I. P. Morozov-Chenkov, V. I. Voropnov, M. A. Lashin. Khim. tekhn. 1 no. 2 21-26 '66.

Electric characteristics of a channel with end electrodes considering potential drop at the electrodes. A. B. Vatazhin. PMTF no. 6 67-68 N-D '66.

Electric properties of ion-exchange membranes in non-aqueous solutions. A. V. Gorcheyev, E. I. Tikhonov, V. S. Shcheglov. Elektr. khim. 3 no. 1 500-503 Ap '67.

External phenomena taking place during incorporation of alkali metals into solid electrodes. I. G. Kiseleva. Elektr. khim. 3 no. 2 27-28 '67.

Hydrogen reference electrode in molten carbonates. A. L. Lvov, O. L. Makarov, B. M. Il'in. Zhur. prikl. khim. 40 no. 1 297-299 Ap '67.

Insoluble anodes of iron oxides. N. F. Razina, V. I. Fedina, G. Z. Khizhikov, Trudy Inst. khim. nauk AN Kazakh, SSR 15: 1-11 '67.

Mechanism of the operation of gas electrodes on a plastic (hydrophobic) base. Part I: Semi-enclosed electrodes. N. V. Osetova, V. S. Bagotskii. Elektr. khim. 3 no. 1 521-524 Ap '67.

Method of manufacturing microelectrodes for electrochemical studies. L. N. Kodomskoi, V. M. Rudoi, A. I. Levin. Elektr. khim. 3 no. 1 490-500 Ap '67.

Reference electrode in the study of adsorption of oxygen, water vapors, and naphthalene by the condensed method of measuring contact difference of potentials. T. V. Kallish, Elektr. khim. 3 no. 1 504-506 Ap '67.

ELECTRODES, COBALT

Effect of iodide ions on the cathodic behavior of cobalt in sulfate solutions. I. A. D. Zytner, A. I. Hotinian. Zhur. prikl. khim. 40 no. 4 813-820 Ap '67.

ELECTRODES, GERMANIUM

Capacity of the Helmholtz layer on germanium electrode. R. V. Pleshkov. Elektr. khim. 3 no. 1 513-516 Ap '67.

ELECTRODES, IRIUM

Possibility of iridium anode in a molten $\text{AlCl}_3 - \text{NaCl} - \text{KCl}$ eutectic. A. M. Skandin, V. Sh. Palanov, V. S. Bagotskii. Elektr. khim. 3 no. 2 240-243 '67.

ELECTRODES, MERCURY

Absorption of beryllium hydroxide on mercury cathode. S. I. Vasyina and others. Elektr. khim. 3 no. 1 506-511 Ap '67.

Electrochemical behavior of germanium on a mercury electrode. V. P. Gladyshev, G. A. Temba, Trudy Inst. khim. nauk AN Kazakh, SSR 15 81-89 '67.

ELECTRODES, NICKEL

Absorption and ionization of oxygen on nickel in alkali. Gu Lin-hi [Ku Ling-yin], N. A. Shumilova, V. S. Bagotskii. Elektr. khim. 3 no. 4 160-166 Ap '67.

Behavior of nickel in the electrolysis of mixed chlorides containing the ions. I. V. Tomskikh. Elektr. khim. 3 no. 2 215-219 '67.

Working of oxyhydroxide-nickel electrode. S. A. Alekshovich, L. N. Sagolov. Ukr. khim. zhur. 33 no. 2 143-147 '67.

ELECTRODES, OXIDE

Temperature dependence of the photo-e.m.f. in an oxide-coated barium-strontium film. I. D. Khvalde. Sob. AN Gruz. SSR 45 no. 2 355-358 F '67.

ELECTRODES, PALLADIUM

Preparation and regeneration of electrodes for palladium plating. A. M. Nazaretian, V. P. Gvishchenko, Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 20 no. 4 7 Ap '67.

ELECTRODES, PLATINUM

Absorption of hydrogen and oxygen on dispersed platinum and rhodium. M. R. Tarasovich, K. A. Radushkina, R. Kh. Barshtein. Elektr. khim. 3 no. 4 155-159 Ap '67.

Ionization of hydrogen on platinum electrodes. I. U. M. Povorov, P. D. Lukovitsky. Elektr. khim. 3 no. 2 220-225 '67.

Temperature effect on the behavior of platinumized platinum in methanol solutions. V. F. Stenik, B. L. Poldovchenko. Elektr. khim. 3 no. 1 181-188 Ap '67.

ELECTRODES, RUTHENIUM

Effect of the state of electrode surface on the kinetics of cathodic reduction of oxygen on ruthenium in alkaline solutions. L. N. Nekrasov, E. I. Khushcheva. Elektr. khim. 3 no. 2 166-172 '67.

ELECTRODES, SILVER

Effect of atomic on the state of nickel and silver electrode surface in alkaline solution. V. R. Loshina, V. I. Past. Elektr. khim. 3 no. 2 260-263 '67.

Oxygen reduction in a mixture with CO_2 on a partially immersed silver electrode in fused alkali metal carbonates. I. U. M. Pashkov, G. S. Pashkov. Elektr. khim. 3 no. 4 143-145 Ap '67.

ELECTRODYNAMICS

One application of the stationary phase method in analyzing complicated electrodynamical systems. A. B. Goroshechkin. Izv. vyz. ucheb. zav., fiz. 10 no. 2 83-87 '67.

Transient radiation in the periodic motion of a charge. N. A. Baryukov, M. P. Kallinskaya. Zhur. tekhn. fiz. 37 no. 1 60-62 Ap '67.

ELECTROENCEPHALOGRAPHY

Electroencephalographic activity of the cerebral cortex in rabbits during the development of Brucella abortus infection. V. I. Tsypenko, A. P. Kapshuk. Vop. eksp. onk. no. 2 241-248 '66.

Cellular activity of neonatally isolated cortex in a chronic experiment. M. M. Khannanov, N. N. Vasilievskii, N. S. Ilyakova. Zhur. vyz. nerv. delat. 17 no. 2 368-370 Mr-Apr '67.

Changes in the bioelectric activity of the medulla oblongata following stimulation of receptors of the urinary bladder. O. S. Merkulova, T. V. Popova. Fiziol. zhur. 53 no. 1 280-290 Mr '67.

Characteristics of cortical potentials patterned from various ascending stimulations. L. M. Chuplata. Fiziol. zhur. 53 no. 4 385-392 Ap '67.

Characteristics of the interaction of the afferent system of the cerebellum. V. V. Bannikova. Fiziol. zhur. 48 no. 7 823-832 Ju '62.

Clinical and electroencephalographic studies in patients with old-age manic-depressive psychoses. A. I. Leikovich, M. I. Rokhina. Zhur. nev. i psikh. 67 no. 1 568-571 '67.

Comparative evaluation of potential characteristics of the encephalogram. A. M. Khoroskov, L. I. Segeeva, P. A. Il'kin. Zhur. vyz. nerv. delat. 17 no. 2 374-380 Mr-Apr '67.

Correlation of afferent systems of the cerebral cortex in cats. N. V. Buzina. Fiziol. zhur. 53 no. 3 266-273 Mr '67.

Correlation of the electroencephalogram with hemodynamic activity of the cerebral cortex and the biological state of animals. I. U. A. Fedev. Fiziol. zhur. 53 no. 1 361-367 Ap '67.

Dynamics of changes in the theta rhythm and impulse activity of hippocampus following reticular stimulation. B. I. Kozlov, V. V. Shul'govskii. Nauch. dokl. vyz. shkoly, biol. nauk 10 no. 3 11-17 '67.

Effect of catecholamines and hormones of the adrenopituitary system on the electrical activity of the brain in rabbits. Kh. M. Markov. Fiziol. zhur. 49 no. 10 1137-1141 O '63.

Effect of morphine on the bioelectric activity of the brain in chronic algal stimulation. G. E. Danilov, N. P. Tokov. 30 no. 2 118-120 Mr-Apr '67.

Electric manifestations of the brain in thalamic syndrome with focal vascular lesions. T. M. Mokhova, L. I. Semina. Zhur. nev. i psikh. 67 no. 4 521-523 '67.

Electroencephalographic representation of visceral stimulation in rabbits with injured optic thalamus. L. V. Lobanova. Nauch. dokl. vyz. shkoly, biol. nauk 10 no. 3 18-21 '67.

Electrophysiological study of the effect of transient weightlessness and overload. A. M. Khoroskov, L. A. Kiselev-Smyk. Biol. eksp. biol. med. 63 no. 5 25-29 My '67.

Evoked activity in the parietal associative cerebral cortex in cats. A. G. Poljakova. Zhur. vyz. nerv. delat. 17 no. 2 322-329 Mr-Apr '67.

Functional evolution of nonspecific and specific systems of the brain. A. I. Karmalin. Fiziol. zhur. 48 no. 7: 785-795 Ju '62.

Neurophysiological characteristics of the cortex isolated from subcortical nervous influences. M. M. Khannanov. Fiziol. zhur. 53 no. 3 214-258 Mr '67.

Pathways of conduction of proprioceptive signalization in brain stem. L. S. Gambarian, A. A. Gubian, V. O. Canadon. Dokl. AN SSSR 172 no. 6 1451-1453 F '67.

Reaction of rhythm assimilation in the cerebral cortex during the course of labor in human subjects. L. I. Lebedeva. Fiziol. zhur. 49 no. 10 1150-1154 O '63.

Role of different brain formations in electroencephalographic reactions of the rabbit to a constant magnetic field and electromagnetic fields of ultrahigh and super-high frequencies. R. A. Chizhenkova. Zhur. vyz. nerv. delat. 17 no. 2 313-321 Mr-Apr '67.

ELECTROENCEPHALOGRAPHY (Continued)

- Some mechanisms of the rhythmicity of the electrical activity of the cerebral cortex. A. A. Supin. Zhur. fiz. i khim., 17 no. 2, 287-294. Mr.-Ap '67.
- Spatial synchronization of α -activity in the cerebral cortex in old-age psychosis. T. V. Morozova. Zhur. nerv. i psikh. 67 no. 4, 560-567. '67.
- Stable polarization potentials of the human brain during wakefulness, narcosis and sleep. M. Kh. Stachnitskiy. Zhur. fiz. i khim., 17 no. 2, 338-344. Mr.-Ap '67.
- Use of a phantom in the stereotactic introduction of electrodes. R. M. Meshchitskiy, E. I. Popova. Fiziol. zhur. 49 no. 10, 1260-1268. O. '67.

ELECTROKYMNOGRAPHY

- Determination of some indices of pulmonary respiration by the electrokymnography method (studies in apnea) in bronchial asthma. I. K. Gurskaya. Vestn. rentgen. 12 no. 2, 71-76. Mr.-Ap '67.
- Study of hemodynamics in the pulmonary circulation in healthy persons by means of electrokymnography. N. M. Shetakov, Tiziol. zhur., 53 no. 1, 109-115. Ap '67.

ELECTROLUMINESCENCE

- Electroluminescence spectra of gallium-phosphide diodes. G. A. Nafashidze and others. Sov. AN Gruz. SSR 15 no. 2, 349-351. '67.
- Study of the possibility of applying electroluminescent coatings in an electric high-tension field. A. V. Mashlykin, M. K. Dubinin. Lakokh. os. mat. i fiz. priro. no. 2, 37-38. '67.
- Studying p-n junctions produced on the base of beryllium-doped silicon carbide. A. A. Kulin and others. Fiz. i tekhn. poluprov., 1 no. 4, 484-486. Ap '67.
- Studying the injection electroluminescence of p-n junctions in gallium phosphide. I. U. A. Utkin and others. Fiz. i tekhn. poluprov., 1 no. 4, 513-516. Ap '67.
- Studying the interaction between a conductive layer and a luminescent layer in the manufacturing of electroluminescent condensers. A. Tammit. Izv. vuz. uch.-b. zav., fiz. 10 no. 2, 157-159. '67.
- Volume electroluminescence of GaAs single crystals. I. U. A. Utkin and others. Fiz. i tekhn. poluprov., 1 no. 4, 617-620. Ap '67.

ELECTROLYSIS

- Application of electrolysis in coagulation and flotation. B. M. Matov. Izv. vuz. uch.-b. zav. fiz. i tekhn. no. 2, 84-86. '67.
- Effect of sulfates on the process of electrolytic production of sodium from fused sodium chloride on liquid lead cathode. I. I. Lvovich, S. A. Zoritskiy, A. G. Moschevskiy. Zhur. prikl. khim., 40 no. 4, 828-832. Ap '67.
- Electrolytic ion exchanges: regeneration of trilon B from copper ethylenediaminetetraacetate. A. V. Gorkovskiy, I. U. S. Gurnov. Zhur. prikl. khim., 31 no. 1, 936-938. Ap '67.
- Electrolytic production of chlorine and alkalis in the USSR. S. A. V. Stender. Khim. tekhn. no. 1, 3-8. '66.
- Formation of nickel hydroxide and oxyhydroxide during electrolysis. D. N. Gusev, L. N. Sepukhova, N. G. Krutina. Ukh. khim. zhur., 33 no. 2, 148-150. '67.
- Retention of hydrogen with chromium during electrolysis. A. A. Piskunov, E. I. Krylov. Zhur. neorg. khim., 12 no. 4, 867-872. Ap '67.
- Study of the conditions of titanium and titanium amalgam formation in the electrolysis of aqueous acetate-chlorate electrolytes. P. G. Antonov, V. P. Shvedov. Radiokhimiya 4 no. 2, 264-266. '67.

ELECTROLYSIS-EQUIPMENT AND SUPPLIES

- Efficient design of the cathode arrangement of aluminum electrolytic cells and calculation of the voltage drop. M. A. Korobov, A. M. Tsipakov, B. L. Timchenko, T. S. et. met. no. 7, 43-49. '67.
- Ways of improving the cathode design on aluminum electrolytic cells. V. P. Niforova. Tsvet. met., 31 no. 7, 50-56. Ji '67.

ELECTROLYSIS IN MEDICINE

- Blood microelectrolysis method and its significance in biology. L. A. Semenov. Trudy Oren. old. Vses. fiziol. ob-va no. 3, 142-147. '64.
- St actual changes in erythrocytes of some ungulates following microelectrolysis of their blood. L. A. Semenov. Trudy Oren. old. Vses. fiziol. ob-va no. 3, 148-156. '64.

ELECTROLYTE METABOLISM

- Changes in the water-electrolyte balance in experimental pathology of the kidneys in rats. L. M. Romendik. Pat. fiziol. i eksp. ter. 11 no. 2, 72-74. Mr.-Ap '67.
- Participation of the liver in electrolyte metabolism. V. D. Romanenko. Fiziol. zhur., 53 no. 3, 337-313. Mr. '67.

ELECTROLYTE SOLUTIONS

- Activity coefficients and osmotic coefficients of 1-1 electrolytes in water at 0°C. I. U. M. Kozlov, L. G. Loshkova, R. I. Mostkova. Radiokhimiya 3 no. 2, 243-246. '67.
- Contact interaction at the interface of concentrated electrolyte solutions. T. A. Prokof'eva, I. T. Efremov. Zhur. fiz. khim., 41 no. 4, 800-805. Ap '67.

- Nuclear magnetic relaxation in aqueous solutions 1-1 electrolytes. L. S. Lilech, M. K. Khripun, V. I. Chizhik. Teori. i ekspr. fiz., 3 no. 2, 255-259. Mr.-Ap '67.

ELECTROLYTE SOLUTIONS, EFFECT OF RADIATION ON

- Effect on paramagnetic resonance of a radiated frozen aqueous solution. Part 1. Stabilization of electron in irradiated neutral vitreous electrolyte solutions. B. G. Ershov, A. K. Pitsay. Khim. i tekhn. 1 no. 1, 29-33. Ja-1. '67.

ELECTROLYTES

- Corrosion resistance of copper in halide electrolytes selected for tin plating. I. I. Titova, I. Gusevskiy. Zhur. prikl. khim., 31 no. 4, 870-874. Ap '67.
- Electrochemical methods of isolating cathodes and intermetallics from steels and alloys. M. P. Braun, M. I. Natanov. Dup. AN USSR no. 10, 1412-1415. '67.
- Rheological properties of lime suspensions as influenced by the addition of small amounts of electrolytes. P. P. Rudnikov, R. D. Vasil'skaya, N. A. Prokhorovich. Dokl. AN SSSR 165 no. 6, 1362-1364. P. '65.

ELECTROLYTIC CELLS

- Effect of constant magnetic fields on the current-voltage characteristics of electrochemical cells. I. Z. Gok. Radiokhimiya 3 no. 2, 263-266. '67.
- Electromotive forces of the molybdenum cells with fused lead chloride. B. I. Morozov, I. B. Kuznetsov. Ukh. khim. zhur., 33 no. 2, 222-221. '67.
- Study of the EMT or galvanic cells including bulk and heterogeneous sulfonated cation-exchanging membrane and solutions of calcium and magnesium chlorides. Z. S. Alagova, E. A. Matcovskiy, N. N. Nemtsova. Elektrolizma 3 no. 1, 446-450. Ap '67.
- Use of Jacobian matrices for the calculation of electric fields in electrolytic cells by the slight line method. V. P. Ivanov, A. I. Nikolayev, I. V. Sidorova. Radiokhimiya 3 no. 2, 216-219. '67.

ELECTROLYTIC CORROSION

- Electrochemical behavior of molybdenum and tungsten in acid and neutral solutions. V. G. Bundzhe and others. Trudy Inst. khim. nauk AN Kazakh. SSR 15, 15-20. '67.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROLYTIC POLISHING

- Electrolytic removal of scale and rust from metals. P. I. Zhuravlev. Mashinostroitel' no. 4, 1-22. Ap '67.
- Similarity and difference of the processes of electrochemical polishing and aluminum oxidation. S. I. A. Gikhles, N. P. Fedot'ev. Zhur. prikl. khim., 40 no. 4, 811-819. Ap '67.

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

- Electromagnetic field impedance with monotonic changing amplitude. L. B. Gasanov. Izv. AN SSSR, Fiz. zem., no. 9, 51-62. '65.
- Electromagnetic potentials and their calibration in an anisotropic dispersive moving medium. A. Vigin, V. Koshin. Dokl. AN SSSR 173 no. 4, 797-800. Ap '67.
- Interaction of helical electron beams with intensive electrostatic fields of resonators on cyclotron frequency harmonics. G. N. Rapoport, A. K. Nennak, V. A. Zhuravskiy. Radiotekhnika i elektronika 12 no. 4, 633-642. Ap '67.
- Multiphoton absorption of light by current carriers in a semiconductor. V. M. Bulmatov, V. P. Olshink. Fiz. i tekhn. poluprov. 1 no. 1, 85-86. Ja '67.
- Radiation from a charged particle moving along a helical line through the interface of two dielectrics. V. V. Anpeltikov, I. B. Katsenbo. Zhur. tekhn. fiz. 37 no. 5, 816-850. Mj '67.
- Recording the recent stage of the formation of earth's electromagnetic field. A. P. Ivanov. Izv. AN SSSR, Fiz. zem., no. 9, 86-89. '65.
- Use of an electromagnetic field for the orientation of parts. V. A. Iakimovich. Avtomatiz. protv. prots. v mashinost. i prib. no. 4, 81-90. '66.

ELECTROMAGNETIC FIELDS-MEASUREMENT

- Measurement of infrasonic electromagnetic fields in free air using a synchronous capacitive charge accumulation technique. U. S. Valov. Avtomatiz. no. 1, 54-61. Ja-F. '67.

ELECTROMAGNETIC FIELDS-PHYSIOLOGICAL EFFECT

- Role of different brain formations in electroencephalographic reactions of the rabbit to a constant magnetic field and electromagnetic fields of ultrahigh and super-high frequencies. R. A. Chizhenkova. Zhur. vuz. nerv. dokl. 17 no. 2, 313-321. Mr.-Ap '67.

ELECTROMAGNETIC PROSPECTING

- Magnetic dipole in three-layered conducting media. G. N. Zverov, V. A. Kusov, V. A. Batarin. Izv. AN SSSR, Fiz. zem., no. 9, 63-72. '65.
- Use of electromagnetic sounding in studying the internal structure of the crystalline basement. A. N. Tikhonov and others. Dokl. AN SSSR 173 no. 5, 1052-1064. Ap '67.

ELECTROMAGNETIC PUMPS

- Rizhskoe soveshchanie po nagnoim gidrodinamike. 1966. [Operation of induction pumps and magnetohydrodynamic propulsion units, materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966.] Eksploataatsiya i d. z. masov. i MGD-dozatorov, materialy predstavlenykh dlia obsuzhdeniya na platon Rzhskom soveshchanii; magnitnoe gidrodinamike (20-25 iunka 1966 g.). Pp. 198] 62 p.

ELECTROMAGNETIC WAVES

- Analytical solutions of boundary value problems in linear electrodynamics for ferromagnetic media. P. 2. P. M. Kolesnikov. Zhur. tekhn. fiz. 37 no. 4, 447-451. Mr. '67.
- Determination of the coefficients of propagation of electromagnetic waves through perforated metal surfaces in a dielectric layer. V. A. Alimov, V. A. Kaplin. Radiotekhnika i elektronika 12 no. 2, 310-312. P. '67.
- Effect of the curvature of the boundary surface on the structure of an electromagnetic field. A. I. Titova, V. M. Bondarenko. Radiotekhnika i elektronika 12 no. 1, 1-6. '66.
- Electromagnetic properties of a plane anisotropic waveguide. A. M. Goncharuk. Zhur. tekhn. fiz. 37 no. 5, 822-826. Mj. '67.
- Electromagnetic vibrations in a dielectric cylinder between reflecting planes. N. G. Vakhutov. Dokl. AN SSSR 173 no. 4, 818-820. Ap '67.
- Evolution of an impedance body of revolution. I. V. Vasil'ev, G. D. Malushkov, A. A. Galunin. Zhur. tekhn. fiz. 37 no. 3, 131-139. Mj. '67.
- Mutual effect of radiators. I. G. Kozlovskiy, A. M. Sidorov. Radiotekhnika i elektronika 12 no. 4, 726-727. P. '67.
- Partial waves in connected spiral lines. A. S. Zakharenko, V. G. Kiselevskiy. Izv. vuz. uch.-b. zav., fiz. 10 no. 12-16. '67.
- Propagation of electromagnetic waves through a transparent layer. I. V. Sukhaiyevskiy. Radiotekhnika i elektronika 12 no. 2, 208-215. P. '67.
- Rayleigh waves in an inhomogeneous elastic half-space of the wave-guide-type. A. G. Alentevskiy. Prikl. fiz. i tekhn. 31 no. 2, 222-229. Mr.-Ap '67.
- Some self-conjugate problems for the Maxwell operator. V. I. Dik'ev. Radiotekhnika i elektronika no. 2, 147-146. '66.
- Special features of the interaction of helical electron beams with the electromagnetic field of waveguides. A. V. Gaponov, V. K. Ulyanov. Radiotekhnika i elektronika 12 no. 4, 627-632. Ap '67.
- Theory of ferromagnetic free induction and the effect of the Kopilevskiy. Fiz. tver. tela 9 no. 1, 1038-1041. Ap '67.
- Theory of surface waves in a plasma. I. U. A. Alimov. Zhur. tekhn. fiz. 37 no. 1, 817-821. Mj. '67.
- Theory of the focusing of quasi-neutral beams by asymmetric electromagnetic waves. A. I. Matusov, S. V. Lebedev. Zhur. tekhn. fiz. 37 no. 4, 633-644. Ap '67.
- Waves of a space charge in homogeneous drifting electron beams with monotonic variation of the cross section. A. V. Kulakov. Zhur. tekhn. fiz. 37 no. 4, 656. Ap '67.

ELECTROMAGNETIC WAVES-DIFFRACTION

- Asymptotic theory of the diffraction of electromagnetic waves on a metal cylinder surrounded by a nonuniform plasma layer. I. U. N. Maksimov. Radiotekhnika i elektronika 12 no. 2, 216-228. P. '67.
- Diffraction of a plane electromagnetic wave on a dielectric layer with a grid of vibrators. V. A. Kaplin. Radiotekhnika i elektronika 12 no. 2, 253-267. P. '67.
- Diffraction of a plane wave on a nonhomogeneous sector of an impedance plane. V. V. Shevchenko. Radiotekhnika i elektronika 12 no. 4, 613-621. Ap '67.
- Diffraction of an electromagnetic wave on a plane screen with finite thickness and regularly distributed holes. B. A. Panchenko. Radiotekhnika i elektronika 12 no. 4, 719-722. Ap '67.
- Diffraction of electromagnetic waves on a double evenly gapped diaphragm with multilayer magnetodielectric. V. V. Shevchenko. Radiotekhnika i elektronika no. 2, 16-21. '66.
- Diffraction of electromagnetic waves on a strip waveguide diaphragm with multilayer magnetodielectric. V. V. Shevchenko. Radiotekhnika i elektronika no. 2, 3-17. '66.
- Diffraction of electromagnetic waves on metal gratings with narrow slits. V. G. Sologub, V. P. Shostakovskiy, G. G. Polovnikov. Zhur. tekhn. fiz. 37 no. 4, 656-619. Ap '67.

ELECTROMAGNETIC WAVES-PHYSIOLOGICAL EFFECT

- Clinical aspects of acute lesions caused by ultrahigh frequency electromagnetic waves. F. A. Kolesnikov, V. M. Malyshev, Voen.-med. zhur., no. 4, 21-23. Ap '67.

ELECTROMAGNETISM

- Utilization of electromagnetic forces to change the weight of liquid metals and the use of this method in founding. I. L. Pokhiv, B. V. Chekin. Izv. vuz. uch.-b. zav., mashinost. no. 2, 11-14. '67.

Prkl mekh 3 no. 3:131-136 Afr '67

- ELECTRONIC DATA PROCESSING—ELECTRIC CIRCUITS**
A method for simulating a constant time lag using a standard analog device. V. A. Bobikhov. Izv. vys. ucheb. zav., radiofiz. 10 no. 3 441-446 '67.
- ELECTRONIC DATA PROCESSING—ELECTRIC MACHINERY**
Use of an electronic digital computer in the determination of the operator resistances of a.c. machines by means of the frequency method. I. U. A. Ikonnikov, N. S. Stunov. Izv. vys. ucheb. zav., elektromekh. no. 2 111-150 '67.
- ELECTRONIC DATA PROCESSING—ELECTRIC MOTORS**
Electronic modeling of the system of controlling loads on electric motors of coal mining machines. I. P. Petrov, A. A. Mozhayev. Izv. vys. ucheb. zav., goi. zhur. 10 no. 2 124-136 '67.
- ELECTRONIC DATA PROCESSING—ELECTRIC MOTORS, INDUCTION**
Determination of the mechanical characteristics of an asynchronous electric drive using analog computers. A. E. Topov, V. M. Aleshinskiy, E. V. Prokhorov. Izv. vys. ucheb. zav., elektromekh. no. 2 138-113 '67.
- ELECTRONIC DATA PROCESSING—ELECTRIC POWER DISTRIBUTION**
Selection of optimal cut points in municipal electric power distribution networks using a digital computer. V. G. Kholminkil and others. Elektr. seti i sluz. no. 1 28-35 '65.
- ELECTRONIC DATA PROCESSING—FERTILIZERS AND MANURES**
Using mathematics in planning for deliveries of mineral fertilizers. I. Polianskiy, V. Kudukov. Mat.-tekh. snab. 2 no. 4 66-71 Apr '67.
- ELECTRONIC DATA PROCESSING—FREIGHT AND FREIGHTAGE**
Kogon, M. G., K. N. Svidler, and M. E. Pavlyts. [Digital control computers for automatic scheduling of freight] Upravlyashchie tsifrovyye mashiny dlya avtomaticheskogo adresovaniya gruzov. Moskva, Mashinostroyeniye, 1966. 152 p.
- ELECTRONIC DATA PROCESSING—GEOLOGY**
[Problems of processing geological and geophysical data on electronic digital computers] Voprosy obrabotki geologo-geofizicheskikh dannykh na elektronnykh tsifrovyykh mashinakh. Novosibirsk, Nauka, 1967. 130 p.
- ELECTRONIC DATA PROCESSING—GEOPHYSICS**
[Problems of processing geological and geophysical data on electronic digital computers] Voprosy obrabotki geologo-geofizicheskikh dannykh na elektronnykh tsifrovyykh mashinakh. Novosibirsk, Nauka, 1967. 139 p.
- ELECTRONIC DATA PROCESSING—GRAVITY PROSPECTING**
Calculating gravitational corrections for topography using electronic computers. G. I. Kuznetsov, L. Kh. Bagautdinova. Neftgaz.geol. i geofiz. no. 2 28-30 '67.
- ELECTRONIC DATA PROCESSING—HYDRAULIC CONTROL**
Using an electronic computer in investigating follow-up of the hydraulic drive. S. N. Kozhevnikov and others. Mekh. mash. no. 1/2 66-71 '66.
- ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT**
(see also subdivision under Latvia)
Nečas, Jiri. [Introduction of electronic automatic computers into industrial management. Translated from the Czech] Vvedenie elektronnykh avtomaticheskikh vychislitel'nykh mashin v upravleniye promyshlennymi predpriyatiyami. Red. i predisl. I. U. A. Oleinika. Moskva, Izd-vo inostr. lit-ry, 1963. 254 p. (M.U.)
- ELECTRONIC DATA PROCESSING—INFORMATION THEORY**
Use of electronic computers in higher technical analysis. H. M. Dobrov. Dop. AN URSR no. 10 1293-1295 '65.
- ELECTRONIC DATA PROCESSING—MACHINERY INDUSTRY**
[Automation of research and precision control in the manufacture of machinery] Avtomatizatsiya issledovaniy i kontrolya tochnosti v mashinostroyenii. Moskva, Nauka, 1967. 245 p.
- Scientific technological conference on "Modern methods of designs in machinery manufacture with use of electronic computers." V. P. Filippov, I. U. S. Vorob'ev. Prikl. mekh. 3 no. 3 141-144 Mar '67.
- ELECTRONIC DATA PROCESSING—METAL CUTTING**
Gurevich, D. M. [Computing equipment and metal cutting] Vychislitel'naya tekhnika i rezanie metallov. [Ukrainian]. Vostochno-Sibirskoe knizhnoe izd-vo, 1968. 57 p.
- ELECTRONIC DATA PROCESSING—MILITARY SUPPLIES**
see subdivision under Czechoslovakia
- ELECTRONIC DATA PROCESSING—MINE RAILROADS—CARS**
Investigations on stresses occurring in mine railroad car couplings with the aid of continuous electronic calculating machines. A. K. Bylia, V. I. Zhukovitskiy, V. D. Reznikov. Vop. iud. transp. no. 9 188-194 '65.
- ELECTRONIC DATA PROCESSING—MINE VALUATION**
Determination and evaluation of low cost grade deposits in mining economy problems. I. N. Roginskiy. Izv. vys. ucheb. zav., goi. zhur. 10 no. 2 10-15 '67.
- ELECTRONIC DATA PROCESSING—MINE VENTILATION**
Mathematical modeling of transient aerodynamic processes in coalmine workings. L. P. Feidman, V. A. Sviatvii, Ugoi' Ukr. II no. 2 47-49 '67.
- ELECTRONIC DATA PROCESSING—NAVIGATION**
Determining location of ship on "Dnepro-1" electronic computer. V. L. Kiyavits, Eksp.-inform. Moi. gidrofiz. inst. AN URSR no. 3 177-180 '66.
- ELECTRONIC DATA PROCESSING—NUMERICAL CALCULATIONS**
Statistical study of rounding off errors in numerical integration using fixed-point computer. E. A. Lapshin. Zhur. vychisl. i mat. fiz. 7 no. 2 213-258 Apr-Apr '67.
- ELECTRONIC DATA PROCESSING—OCEANOGRAPHY**
Problems and organization of computation control complex on a ship. V. N. Nikulin, Eksp.-inform. Moi. gidrofiz. inst. AN URSR no. 3 137-115 '66.
- Program for coding information. V. N. Nikulin, V. G. Kvachey, Eksp.-inform. Moi. gidrofiz. inst. AN URSR no. 3 171-176 '66.
- ELECTRONIC DATA PROCESSING—OIL WELL LOGGING, ELECTRIC**
Some problems of automatic interpretation of logging data on clay sandstones. E. I. U. Mikolayevskiy, Neftgaz.geol. i geofiz. no. 3 36-41 '67.
- ELECTRONIC DATA PROCESSING—ORE DRESSING**
Using transducers combined with electronic computers in dressing plants. E. L. Krutskiy, M. N. Minster, Mekh. i avtom. proizv. 21 no. 4 132-11 '67.
- ELECTRONIC DATA PROCESSING—ORE HANDLING MACHINERY**
Testing actuating mechanisms on PM-5 loading equipment using electronic digital computers. S. A. Polutinskiy, I. P. Savitskiy. Vop. iud. transp. no. 9 218-258 '65.
- ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION**
see subdivision under Komi A.S.S.R.
- ELECTRONIC DATA PROCESSING—PETROLEUM REFINING**
Using method of least squares for determining distillation curve of petroleum products. G. G. Akarova, I. F. Radchenko. Neft i gaz. proizv. no. 2 16-17 Mar-Apr '67.
- ELECTRONIC DATA PROCESSING—PLATE TOWERS**
Modeling rectification process of hydrocarbon multicomponent mixtures using digital computers. V. I. Grubov, V. I. Dem'yanenko, I. F. Malechik. Izv. vys. ucheb. zav., iud. i gaz. 10 no. 2 63-66 '67.
- ELECTRONIC DATA PROCESSING—RAILROADS**
Machine accounting for the supply of materials and equipment in railroad transportation. A. Medvedevskiy. Bukhg. uchot. 26 no. 4 41-45 Apr '67.
- Possibilities of processing the planning and accounting information on electronic computers. T. I. Vilianova. Trudy MIF no. 235 415-127 '66.
- ELECTRONIC DATA PROCESSING—RESEARCH**
Efficiency of the use of electronic computers by establishments of the Academy of Sciences of the Ukrainian S.S.R. Dop. AN URSR, Ser. A 23 no. 1 101-95 Jan '67.
- ELECTRONIC DATA PROCESSING—RUBBER, SYNTHETIC**
Development of the formula of rubber mixtures by means of a specialized analog computer on the basis of the theory of experiment planning. G. N. Buiko and others. Kaucuk i rez. 26 no. 4 11-14 '67.
- ELECTRONIC DATA PROCESSING—SEISMOLOGY**
Use of a digital computer in processing seismic vibrations. G. G. Grigor'ev, O. N. Mouserev. Geofiz. app. no. 20 55-50 '66.
- ELECTRONIC DATA PROCESSING—SHIPBUILDING**
Brekhov, A. M. [Network schedule planning and management in shipbuilding; machine processing of information] Setevoye planirovaniye i upravleniye v sudostroyenii; mashinnaya obabotka informatsii. Leningrad, Sudostroyeniye, 1967. 383 p.
- ELECTRONIC DATA PROCESSING—SOLAR RADIATION**
Programming radiation charts. G. N. Kostianoi. Trudy TSO no. 74 66-70 '66.
- ELECTRONIC DATA PROCESSING—STRAINS AND STRESSES**
State of stress in reinforced concrete rod fittings mounted in the roof of stores. G. T. Neslerenko, D. S. Skozobitsov, I. U. S. Afanas'ev. Goi. zhur. 142 no. 3 32-34 Mar '67.
- Statistical modeling of stresses upon actuating mechanisms of mining machines with the aid of electronic computers. I. U. N. Kozak. Izv. vys. ucheb. zav., goi. zhur. 10 no. 2 92-97 '67.
- ELECTRONIC DATA PROCESSING—STRUCTURAL FRAMES**
Calculating statically indeterminate space structures by "MINSK-12" electronic computers. B. A. Baringol'ta, A. V. Gorbovets, A. G. Khadov. Ugoi' Ukr. II no. 1 34-35 Jan '67.
- ELECTRONIC DATA PROCESSING—TEXTILE INDUSTRY**
Using mathematical methods in the textile industry. V. G. Gajdar, A. A. Pukhal'skaya. Prom. i m. 10 no. 2 17-19 '67.
- ELECTRONIC DATA PROCESSING—TRANSIENTS (DYNAMICS)**
Studying transient processes in three stands of a continuous mill. A. P. Chekumov, M. P. Topolovskiy. Nauch. study Dnepr. Inst. cher. met. 21 81-121 '65.
- ELECTRONIC DATA PROCESSING—WAGES**
Machine accounting for labor and wages with the use of electronic digital computers. N. P. Leonova. Trudy MIF no. 235 47-57 '66.
- ELECTRONIC DATA PROCESSING—WELDING**
Modeling of welding processes using computers. A. T. Igoshin, V. I. Sivtsov. Izv. vys. ucheb. zav., elektromekh. no. 2 123-130 Mar '67.
- ELECTRONIC DATA PROCESSING—WINDS**
Automatic processing results of wind sounding using "Agat" apparatus. G. P. Trifonov. Trudy TSO no. 71 75-78 '66.
- Practice in composition of program of processing results of temperature-wind sounding using digital computers. D. V. Prashko, G. P. Trifonov. Trudy TSO no. 71 71-74 '66.
- ELECTRONIC DIGITAL COMPUTERS**
Algorithm for the synthesis of discrete computer systems. I. V. Novoskiy, B. A. Sidoriatskiy, I. A. I. Gel. Vychisl. no. 25 3-18 '66.
- Maksimov, V. A., and S. G. Belanin. [Applications of electronic digital computers] Primeneniye elektronnykh vychislitel'nykh mashin. Moskva, TsNIIPI 1964. 34 p. (Obzor otechestvennykh i zarubezhnykh izobreteniy. Priborostroyeniye)
- Methods for performing tag inversion in a random access memory. V. P. Gladin, S. A. Kheisova, Khermetika no. 2 48-55 Mar-Apr '67.
- Simulation of digital systems. A. K. Olefir. Vychisl. no. 25 75-81 '66.
- Simulation of discrete automata using electronic digital computers. A. A. Utkin. Vychisl. no. 25 15-71 '66.
- ELECTRONIC DIGITAL COMPUTERS—MEMORY SYSTEMS**
Tsvetkov, D. V. [Study of the interaction of crossing ship lines in flat matrices of high-speed memory systems] Issledovaniye vzaimodeystviya peresekayushchikh-sya poloskovykh linii v ploskikh matritsakh bystrodeystvuyushchikh ZU. Moskva, 1966. 31 p. (Elektronnyye vychislitel'nyye mashiny)
- ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING**
Instructions for LIPAS programming system. M. I. A. Tovshstein. Vychisl. no. 25 87-116 '66.
- Programming system LIPAS for the M-20 computer. M. I. A. Tovshstein. Vychisl. no. 25 117-130 '66.
- Shurakov, V. V., and V. V. Kaplinskiy. [Programming of accounting and statistical problems for the "Minsk-22" electronic digital computer] Programirovaniye ucheto-statisticheskikh zadach dlya ETsVM "Minsk-22." Moskva, Statistika, 1967. 244 p. diagr. (insert)
- ELECTRONIC INDUSTRIES**
(see also subdivision under Bulgaria)
Determination of an optimal law governing the motion of a rod setting mechanism. K. I. Buzgalov, E. A. Stetsko. Avtomatiz. proizv. prots. v mashinostroyenii i prib. no. 4 132-138 '66.
- Present state of the automation of assembling operations in the machinery industry and instrument manufacture (survey of Russian and foreign materials). V. I. Smil'anskiy. Avtomatiz. proizv. prots. v mashinostroyenii i prib. no. 4 130-144 '66.
- ELECTRONIC INDUSTRIES—QUALITY CONTROL**
Validation of statistical hypotheses on type of distribution according to small samples. I. N. Volodin. Uch. zap. Kar. un. 125 no. 6 3-23 '65.
- ELECTRONIC MEASUREMENTS**
Automatic dielectric meter. B. P. Bystrov, A. F. Glik, A. P. Betsovskiy. Izv. vys. ucheb. zav., elektromekh. no. 3 355-357 Mar '67.
- Class of highly efficient devices for controlling and measuring time changes in electrical parameters. E. A. Kovalov, K. M. Sobolevskiy. Avtomatika no. 1 81-80 Jan-Feb '67.
- Invariant measuring system. V. H. Vasylyev. Avtomatika 12 no. 2 3-14 Mar-Apr '67.
- Stability conditions of photogalvanometric self-compensating instruments and devices. S. G. Rabinovich. Avtomatika no. 1 102-104 Jan-Feb '67.
- Stability of tracking digital measuring devices dependent on their static characteristics. F. B. Grinavich, K. B. Kraydanov, M. P. Tsaponko. Avtomatika no. 1 52-72 Jan-Feb '67.
- Voltage recovery indicator. O. I. A. Novikov and others. Izv. vys. ucheb. zav., energ. 10 no. 3 95-97 Mar '67.

- ELECTROPLATING (Continued)**
 Handbook of practical electroplating" by T.M. Rodges. Reviewed by I.A. Volkov. Zhur. prikl. khim. 31 no. 1, 1958 Ap '67.
- Splakov, I.A.** [New methods for automatic control of electroplating processes] Nove metody avtomatizatsii rezhimov gal'vanopokrytiy [Leningrad, 1966 38 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy, khimiko-tekhnicheskii opyt. Seriya Uluchsheniye kachestva, povysheniye nadezhnosti i dolgozhechnosti mashin, priborov i d. uglikh promyshlennyykh izdelii)]
- Value of the limiting diffusion current in the galvanostatic study of the electroreposition of metals. I.B. Muzashova, I.N. Vukobratich, A.V. Ponomarev. Elektr. khim. 3 no. 2 266-267 '67.
- ELECTROPLATING—EQUIPMENT AND SUPPLIES**
 Insulated galvanization suspensions. G.A. Baranenko. Mashinostroyeniye no. 117 Ap '67.
- ELECTROSTATIC SEPARATORS**
 Uzhov, V.N. [Purification of industrial gases by means of electrostatic precipitators] Ochliska promyshlennyykh gazov elektrofil'nymi [Leningrad, 1967 343 p.].
- ELECTROSTATIC SPRAY PAINTING** see Spray painting, Electrostatic
- ELECTROSTATICS**
 Calculation of an electrostatic field in the proximity of the boundary of two media. L.D. Osnyovskiy. Izv. vuz. ucheb. zap. 10 no. 7 11-21 Mi '67.
- Iossel', Yu. Ia., and K. B. Shcheglovskiy.** [Static electricity on ships] Na borbu fanariy na elektrichestvo. Leningrad, Sudostroeniye, 1966, 135 p.
- Static electricity originates in cement mixers during the production of rubber. A.N. Bondarenko. Nauch. izv. 26 no. 1 45-47 '67.
- Study of the electrostatic effect of rubber coatings of the upper presses of cotton-spinning machines. G.A. Pashkov. Nauch. izv. Tsent. nauch. issled. instituta no. 9 3-11 '67.
- Studying the static electricity in the pneumatic conveying of loose explosives. V.I. Fomchev and others. Bz. zap. nauch. i prom. 11 no. 3 14-16 Mi '67.
- ELECTROSURGERY—EQUIPMENT AND SUPPLIES**
 Use of electronic current stabilizer for electrocoagulation of cerebral tissue. A.S. Chelunov, V. S. Kharinov. Biol. eksp. biol. med. 63 no. 5, 122-123 My '67.
- ELECTROTHERAPEUTICS**
 Dynamic currents in the treatment of lumbosacral rheumatism. G.K. Ter-Akopyan, K.I. Muradova. Voen.-med. zh. 11 no. 1 78-79 Mi '67.
- ELECTROSTATICS (MOSCOW PROVINCE)—STEEL INDUSTRY—MANAGEMENT**
 Communist of the plant in the struggle for economy. V. V. Mat. i tekhn. 2 no. 1 51-58 Ap '67.
- ELEPHANTS** see subdivision under Africa
- ELEUTHEROCOCCUS**
 Effect of large doses of ginseng and eleutherooccus extracts on the origin of spontaneous tumors in hybrid mice. G.M. Ronichevskaya. Vop. onk. 11 no. 1 67-71 '67.
- Reduction of the toxic effect of some antitumor preparations by means of eleutherooccus extract. B.V. Mamedov. Vop. onk. 13 no. 3 71-76 '67.
- ELEMENTARY EDUCATION** see Education, Elementary
- ELISEEV, PAVEL GRIGOR'EVICH, d. 1966**
 In memory of Pavel Grigor'evich Eliseev. Arkh. anat., gist. i emb. 62 no. 4 123-125 Ap '67.
- ELLIPTIC DIFFERENTIAL EQUATIONS** see Differential equations, Elliptic
- EMANUILOV, IGOR, 1908-1966**
 Igor Emanuelovich, an obituary. Prikl. biokhim. i mikrobiol. 3 no. 2 231 Mi-Apr '67.
- EMBANKMENTS** see subdivision under Leningrad
- EMBARGO** see subdivision under Rhodesia
- EMBROIDERY**
 Embroidery in Kievan Rus'. M.O. Novitskiy. Arkheologiya 16 21-16 '65.
- EMBRYOLOGY**
 Characteristics of the influence of sodium salicylate in different stages of embryogenesis in rats and its effect on the autogenic activity of some changes in the body of the female. N.A. Cheloniya. Farm. i toki, 30 no. 2 221-225 Mi-Apr '67.
- Effect of chloroquine on the embryonal development in rats. L.D. Udalova. Farm. i toki, 30 no. 2 226-228 Mi-Apr '67.
- Effect of sound on the motor activity in chicken embryos. G.F. Svidorskiy. Biol. eksp. biol. i med. 63 no. 4 24-28 Ap '67.
- Study of the penetration into embryo tissues of heterogeneic luminescent proteins introduced into nonimmune maternal body. Z.P. Zhemkova, I.U. N. Zubchitskiy. Dokl. AN SSSR 173 no. 5 1230-1232 Ap '67.
- Use of correlation between the "eight of embryos and the relative weight of organs in the evaluation of the effect of agents stimulating and inhibiting the growth of organs. V.A. Kovalev. Biol. eksp. biol. i med. 63 no. 1 122-125 Ap '67.
- EMBRYOLOGY—BIRDS**
 Effect of temperature conditions of the embryonic development on the chromosomal regulation of chicks. V.V. Khasin. Fiziol. zhur. 49 no. 10 1251-1259 O '63.
- EMBRYOLOGY—FISHES**
 DNA synthesis in *Misgurnus fossilis* (L.) in early embryogenesis. V.G. Kondratenko, G.V. Nemtsev. Dokl. AN SSSR 172 no. 6 1469-1462 F '67.
- Phosphorylase kinase activity and Pasteur effect regulation in early embryogenesis. L.S. Milman, I.G. Iuravitskiy. Biokhimiya 32 no. 2 119-122 Mi-Apr '67.
- EMBRYOLOGY—POULTRY**
 Materials on physiology of embryonic development in poultry. Report No. 8. Biochemical characteristics of developmental stages in duck embryos. V.I. Makhinko. Uch. zap. KUGU 131 200-237 '62.
- Materials on physiology of embryonic development in poultry. Report No. 9. Nucleotide composition of RNA of some organs in duck embryos. V.I. Makhinko, I.N. Bluk. Uch. zap. KUGU 131 238-42 '62.
- EMBRYOLOGY—RUMINANTIA**
 Formation, development, and functional activity of the stomach in ruminants in embryonic stage. P.T. Khutskiy. Study On. old. Vses. fiziol. obva. no. 3 91-109 '64.
- EMBRYOLOGY, HUMAN**
 Embryogenesis of the peripheral nervous system in the placenta of the human brain. H.A. Kostantynovskiy. Dop. AN URSR no. 1 91-98 '61.
- Transplantation of the skin of the human embryo. V.P. Elvov. Khirurgiya 13 no. 1 53-55 Ap '67.
- EMBRYOLOGY, HUMAN—CONGRESSES**
 Review of the work of the VII All-Union Congress of Anatomists, Histologists, and Embryologists, Tbilisi, June 5-13, 1966 (conclusion). I.S. Gulyaev, G.D. Rokhlin. Arkh. anat., gist. i emb. 62 no. 1 105-119 Ap '67.
- EMERGENCY MEDICAL SERVICES**
 Requirements of urban and rural population for emergency stations in meteorological aid. P.A. Tashir, Otop. i trum. i prot. 28 no. 4 42-55 Ap '67.
- Some problems of tactics, diagnosis and emergency treatment under conditions of frost and. M.A. Mensel. Sov. med. 30 no. 3 110-113 Mi '67.
- EMINENT DOMAIN**
 Sysoyev, N.A. [Allotment of land for governmental and public-service organizations] Otvod zemel' dlia gosudarstvennykh i obshchestvennykh organizatsii. Moskva, Rtd. in-ia, 1967, 103 p.
- EMISSIVITY**
 Spectral emissivity of a tungsten tape in the visible and near-infrared regions of the spectrum. V.D. Dvornikov, G.K. Khlopov. Zhur. prikl. spekt. 6 no. 4 125-130 Ap '67.
- EMOTIONS**
 Development of emotions. E. Kul'chitskaya. Doshk. vosp. 40 no. 4 25-27 '67.
- Periodic secretion of intestinal glands in dogs following emotional excitation. N.V. Mavrova, I.U. V. Lenevskiy. Biol. eksp. biol. i med. 63 no. 5 15-17 My '67.
- EMPHYSEMA, PULMONARY**
 Histological changes in the respiratory part of the lungs in chronic emphysema. R.G. Takov, Arkh. pat. 29 no. 1 10-21 '67.
- EMPLOYEE VACATIONS** see Vacations, Employee
- EMPLOYEES, DISMISSAL OF** see subdivision under Bryansk
- EMPLOYEES, RELOCATION OF**
 Compensation in transferring, accepting, and directing to work in other locality. M. Humantseva. Sov. profsoyuzy 23 no. 6 43-44 Mi '67.
- EMPLOYEES, SUSPENSION OF**
 Suspension of employees. A. Epshchik, Sov. iust. 31 no. 8 7-9 Ap '67.
- EMPLOYEES, TRAINING OF**
 Technical training of workers assigned to managerial positions in 1933-1937. V.F. Bashchev. Ukr. iat. zhur. 11 no. 4 95-97 Ap '67.
- EMPLOYEES' LIABILITY**
 Khvorostov, A.M. [Material responsibility of workers and employees] Material'naya otvetstvennost' rabochikh i sluzhashchikh. Minsk, Nauka i tekhnika, 1967, 105 p.
- EMPLOYEES' REPRESENTATION IN MANAGEMENT**
 Ayvaz, A.I. [Efforts of party organizations to draw workers into the management of industrial enterprises during the building of communism, regular production conferences at industrial plants and construction sites] Delatel'nost' p. (Ugnykh organizatsii po priyemleniu trudiasluzhashchikh k upravlenniyu proizvodstvom v prikladnykh i teoreticheskikh poslozhnykh otvetstvennykh soveshchaniyakh promyshlennyykh predpriyatiy i stoyek [Saratov] Izd-vo Saratovskogo univ., 1966 65 p. (CSU-II))
- EMPLOYERS' LIABILITY**
 Some problems concerning liability for work injuries. M. Khushchik. Rad. iavo. no. 1 37-39 Ap '67.
- EMULSIONS**
 Water emulsion is the working fluid of GS hydraulic jacks. P.I. Shcheglov, L.I. Samokov, N.T. Tenishev. Ugol' Ukr. 11 no. 2 18-19 F '67.
- ENAMEL AND ENAMELING**
 Decarboxylation of cast iron before enameling. V.S. Mogilyanskaya, A.A. Zaitsev. Tekhn. i prom. no. 2 78-80 Mi-Apr '67.
- ENCEPHALITIS, EPIDEMIC**
 (see also subdivision under Siberia, Western)
 Nosography of communicable virus encephalitis. L.N. Pavlovich. Dokl. po med. i biol. no. 2 85-100 '65.
- ENCEPHALITIS, EPIDEMIC—PREVENTION**
 Significance of sanitary education in the prevention of spring and summer outbreaks of tick-borne encephalitis. V.I. Sidorov. Voen.-med. zhur. no. 1 82 Ap '67.
- ENCEPHALOCOELE**
 Zverev, A.F. [Congenital craniovertebral hernias and their surgical treatment] Vrozhdennoye cherepno-mozgovoye vyizhi i ikh khirurgicheskoe lechenie. Moskva, Meditsina, 1967, 173 p. (DNM)
- ENCEPHALOGRAPHY**
 Characteristics of changes in the encephalogram of rabbits following different developmental nature of Brown-Pearce carcinoma. V.P. Sapozhnikov. Dop. AN URSR, Ser. B 29 no. 1 358-360 Ap '67.
- ENCYCLOPEDIAS AND DICTIONARIES, UKRAINIAN**
 Publication of the Soviet Ukrainian encyclopedia. Dop. AN URSR no. 1 120 '61.
- ENDOCRINE GLANDS**
 Dynamics of changes in areolar tissue following endocrine insufficiency. D.S. Kuchanov. Uch. zap. Akb. Ser. biol. nauk no. 4 27-44 '61.
- Effect of anabolic substances on protein synthesis in endocrine organs and some other indices of protein metabolism in irradiated animals. O.V. Molotov, D.D. Golovinskiy. Med. i biol. 12 no. 1 10-12 Ap '67.
- ENDOCRINE GLANDS—DISEASES**
 Dysadrenal hyperplasia of breast lobules (adrenoplasia) and its outcome. V.V. Rystova. Arkh. pat. 29 no. 3 12-17 '67.
- Reactive changes in the central nervous system and endocrine organs in burn and irradiation lesions. N.I. Filipenko. Biol. eksp. biol. i med. 63 no. 1 41-52 Ap '67.
- ENDOMETRIOSIS**
 Use of diethylstilbestrol in experimental sheep endometriosis. N.M. Hudakov. Study On. old. Vses. fiziol. obva. no. 3 14-19 '61.
- ENDOSUCCINIC ANHYDRIDE ANTHRACENE**
 Study of the properties of anhydride endosuccinic anthracene. B.I. Ardashev, A.S. Zaitsev. Khim. tekhn. no. 4 61-63 '66.
- ENERGY—BAND THEORY OF SOLIDS**
 Calculating the first quantum correction to ion energy according to the Thomas-Fermi model in calculating elastic constants of certain metals. F.G. Selezneva. Fiz. met. i metalloved. 23 no. 3 435-439 Mi '67.
- Characteristics of superconductors with overlapping bands. B.T. Gellikman, B.O. Zaitsev, V.Z. Klesin. Fiz. i tekh. 9 no. 3 121-129 Mi '67.
- Fine structure of the L_{23} -emission band in palladium. S.A. Nemtsov, M.F. Sorokina. Fiz. met. i metalloved. 23 no. 4 732-734 Ap '67.
- X-ray spectroscopy of the energy spectrum of Ti-Fe alloys. S.A. Nemtsov, K.M. Kolobova. Fiz. met. i metalloved. 23 no. 3 156-162 Mi '67.
- ENERGY METABOLISM**
 Changes in the basic reactions of energy metabolism of tumorous tissue subjected to the effect of ion electrophoresis and X-ray irradiation. L.V. Iakimenko. Vop. eksp. onk. no. 2 151-163 '66.
- Some characteristics of the effect of cortisone on the energy metabolism of sarcoma tumors. I.A. Rezerishenko, M.G. Petrovskiy. Vop. eksp. onk. no. 2 149-151 '66.

1944

- ESTERS (Continued)**
Reduction of carboxylic acid esters to aldehydes by diisobutylaluminum hydride and the mechanism of the Tischenko reaction. L. I. Zakharin, L. P. Sorokina. *Zhur. ob khim.* 37 no. 3:561-567 Mh '67.
Seasonal changes in content of organic acids and esters in water of Don River. A. D. Simeonov, V. A. Buzgalov. *Gidrokhim. mat.* 12:176-181 '66.
- ESTONIA—COAL MINES AND MINING—MANAGEMENT**
Steps of the reform. A. Mal'tsev. *Sov. shakht.* 16 no. 3:9-10 Mh '67.
- ESTONIA—COMMUNITY CENTERS**
The collective farm center. A. Lepisaar. *Kommunist* 44 no. 8:87 Mh '67.
- ESTONIA—CRIMINAL JUSTICE, ADMINISTRATION OF**
The party should closely control the carrying out of the decisions of the Central Committee of the CPSU, the Presidium of the Supreme Soviet of the U.S.S.R., and the Council of Ministers of the U.S.S.R. on the intensification of the struggle against criminal offenses. A. Vadev. *Sots. zakon.* no. 1:25-31 Ap '67.
- ESTONIA—GEOGRAPHY—YEARBOOKS**
Esil Geograafia Selts. [Yearbook of the Estonian Geographical Society, 1964-1965] Aastaraamat, 1964-1965 Tallinn, Valgus, 1966. 326 p. [In Russian and Estonian].
- ESTONIA—MUSICAL REVUES, COMEDIES, ETC**
A discussion with Kaarel Kild. *Fearl* 28 no. 4:63-67 Ap '67.
- ESTONIA—NEUROLOGY**
Development of neurology in the Estonian S.S.R. T. I. Raudam. *Zhurn. nevrologii* 67 no. 4:597-599 '67.
- ESTONIA—OIL-SHALE INDUSTRY—SAFETY MEASURES**
All-Union public inspection of measures for raising the quality of production and the safety and improvement of working conditions in the oil and shale industries. V. Tikhonov. *Bezop. truda, v prom.* 11 no. 5:59-60 Mh '67.
- ESTONIA—RADIO—COMPETITIONS**
Searching for heroes and educating them. M. Pihle. *Mol. komm.* no. 1:17-40 '67.
- ESTONIA—RADIO JOURNALISM**
The "Echo of the Day" and its problems. A. Slutsk. *Sov. radio i tel.* 10 no. 1:2-4 '66.
- ESTONIA—RURAL CONDITIONS**
The collective farm center. A. Lepisaar. *Kommunist* 44 no. 8:87 Mh '67.
- ESTONIA—TURNIPS**
Hybrid turnips for our fields. P. Petrov. *Tyl i snab.* *Sov. Yuzn. Sil* 27 no. 1:59 Ap '67.
- ESTONIA—WOMEN AS PUBLIC PROSECUTORS**
Her path of life. M. Sverdlova. *Sots. zakon.* no. 3:22-21 Mh '67.
- ESTONIA—WOODWORKING INDUSTRIES**
Woodworking industry in Estonia during the years of the Soviet regime. A. A. Fedorov. *Det. prom.* 16 no. 4:18-21 Ap '67.
- ETHANES**
Kinetics and mechanism of conversion of simplest hydrocarbons in glow discharge at low pressure. U. N. Borisova, L. N. Eremina. *Zhurn. fiz. khim.* 41 no. 4:757-763 Ap '67.
Limits of the spontaneous ignition of mixtures of ethane and chlorine. Ks. Labalava, V. Kokochashvili. *Trudy Tbil. GU* 71:275-281 '60.
Mathematical model of dehydrochlorination of dichloroethane and the determination of the optimum temperature profile of a reactor. A. S. Lerner and others. *Khim. prom.* 43 no. 2:28-20 F '67.
Photolysis of H₂-C₂H₄-He mixtures. Part 2: Temperature dependence of the rate of ethane formation. B. G. Dzantiev, A. P. Shvachnikov. *Khim. vys. energ.* 1 no. 2:107-110 Mh-Ap '67.
- ETHANES—MOLECULAR ROTATION**
Calculation of energy differences of rotational isomers of substituted ethane with allowance for differences between azimuthal angles of internal rotation. I. U. G. Papulov. *Teor. i ekspr. khim.* 3 no. 2:273-278 Mr-Ap '67.
- ETHANOL**
Complex compounds of nickel (II) halides with monoethanolamine. V. V. Udovenko, I. S. Duchinskii. *Zhurn. neorg. khim.* 12 no. 4:969-973 Ap '67.
Reaction of copper chloride with triethanolamine. V. V. Udovenko, M. A. Sherstoboeva. *Ukr. khim. zhur.* 33 no. 2:124-130 '67.
Spectrophotometric study of nickel (II) complexes with monoethanolamine. V. V. Udovenko, I. S. Duchinskii. *Zhurn. neorg. khim.* 12 no. 4:981-986 Ap '67.
- ETHERS**
Effect of electron-acceptor substituents on the stability of iminoether halo hydrate. G. A. Shvekhgetmeyer, M. L. Shul'man. *Dokl. AN SSSR* 173 no. 2:378-380 Mr '67.
Glycol ethers and their derivatives. Part 112: Synthesis of alkyl methyl ethers of 1-phenyl-3-(β-chloroethoxy)-1-propanol. Shakhmat Mamedov, D. N. Khydyrov, V. R. Rustamov. *Zhur. org. khim.* 3 no. 4:645-700 Ap '67.
Liquid-vapor equilibrium in the systems formed by phosphorus trichloride and chloro oxide with some alpha-tic ethers. I. I. Lapidus, L. A. Nisels'kaya, A. A. Katsheva. *Zhurn. ob khim.* 37 no. 3:525-531 Mh '67.
Polymerization of vinyl alkyl ether in the presence of a sulfuric acid-aluminum sulfate complex. A. P. Alimov, A. M. Khomutov. *Izv. AN SSSR. Ser. Khim.* no. 3:667-670 Mh '67.
- ETHICS**
Science and the moral responsibility of scientists. V. I. Tolstikh. *Vop. filos.* 21 no. 1:77-86 '67.
- ETHNOLOGICAL MUSEUMS AND COLLECTIONS**
(see also subdivision under Kolomyia, Ukraine; Moscow)
Gosudarstvennyi muzei etnografii narodov SSSR. [A guide-book to the exhibition "The Russians", the second half of the 19th and early 20th century] Putevoditel' po ekspozitsii "Russkie"; vtoraya polovina XIX-nachalo XX vv. Leningrad, 1961. 90 p. Illus.
- ETHIOLOGY**
(see also subdivision under Georgia)
The concept of ethnic community. V. I. Kozlov. *Sov. etn.* no. 2:100-111 Mh-Ap '67.
- ETHNOLOGY—BIBLIOGRAPHY** see Bibliography—Ethnology
- ETHNOLOGY—MAPS** see subdivision under Caucasus
- ETHYLAMINE**
Isotope method of studying the hydrolysis kinetics of phosphoryl chloride and hydroxyethylamine. F. Kat-tadze, V. Kokochashvili. *Trudy Tbil. GU* 71:259-264 '60.
Pharmacological and biochemical properties of pyridyl-ethyl-hydrazines and pyridylethylamines. A. N. Kost and others. *Farm. i toks.* 30 no. 2:178-181 Mh-Ap '67.
- ETHYLENE**
Developing the technology of the production of 1-butene from ethylene. I. I. Pashman and others. *Khim. prom.* 43 no. 5:8-10 Mh '67.
Effect of certain phenols on the thermal and light decomposition of poly(vinyl chloride). Z. V. Popova and others. *Zhurn. prikl. khim.* 34 no. 4:871-881 Ap '61.
Mechanism of ethylene oxidation by palladium salts in acetic acid. I. I. Molisev and others. *Dokl. AN SSSR* 173 no. 4:863-866 Ap '67.
- ETHYLENE—SOLUBILITY**
Solubility of ethylene and propylene in organic solvents. B. I. Konobeev, V. V. Liapin. *Khim. prom.* 43 no. 2:31-36 F '67.
- ETHYLENE COMPOUNDS**
Dimethyl derivatives of ethylene. A. N. Nesmelanov, A. E. Borisov, N. V. Novikova. *Dokl. AN SSSR* 172 no. 6:1329-1332 F '67.
Hydrobromides and stable trichloroethylene complexes of 2-methyl-4-methyl-5-bromomethylpyrrolidine. A. M. Lukevich and others. *Zhurn. ob khim.* 37 no. 3:642-648 Mh '67.
- ETHYLENE GLYCOL**
Some sulfur-containing analogs of ethylene glycol and ethylene glycol in vinylization reaction. S. V. Anisova, A. S. Atayin, B. A. Ponomarev. *Izv. AN SSSR. Ser. Khim.* no. 3:619-624 Mh '67.
- ETHYLENE OXIDE**
Oxidation of chloroethylenes. Part 1: Regularities in the formation and isomerization of trichloroethylene oxide in the process of radiation-chemical oxidation. B. G. Lashin, G. I. Kovaleva, E. I. Dol'bet, G. Khim. org. khim. 3 no. 3:470-176 Mr '67.
- ETHYLENE POLYMERS**
Effect of hydride silanes on ethylene polymerization. N. S. Nemetkin, G. V. Sorokin, V. N. Perechenko. *Vysokom. soed. Ser. B* 9 no. 1:14-16 Ja '67.
Vulcanization of ethylene copolymers with propylene containing unsaturated bonds. V. N. Reikh, V. P. Mironuk, L. P. Zakharchenko. *Kauch. i rez.* 26 no. 4:2-4 '67.
- ETHYLENEDIAMINE**
Processes of discharge-ionization of lead in ethylenediamine electrolytes on an amalgam lead electrode. L. F. Kozin and others. *Trudy Inst. khim. nauk AN Kazakh. SSR* 15:131-138 '67.
- ETHYLENIMINE**
Effect of ethylenimine on dominant lethals in inbred mice. A. M. Malashenko, I. K. Egorov. *Genetika* no. 3:60-67 Mh '67.
Effect of gamma rays and ethylenimine on diploid and tetraploid rye. M. K. Safin, V. I. Demchenko, B. O. Levenko. *Dop. AN URSS* no. 10:1380-1393 '65.
- EULER, LEONHARD, 1707-1783**
Correspondence between Euler and Goldbach on problems in number theory. N. P. Kotov. *Uch. zap. Irk.-gos. ped. inst.* no. 20:150-160 '64.
- EUROPE—COMMUNIST PARTIES**
Conference of the European Communist and Workers' Parties in Kailovy Vary, April 21-26, 1967. Nov. vrem. 25 no. 19:33-34 Mh '67.
For a peaceful Europe. Nov. vrem. 25 no. 19:1-2 Mh '67.
When there is no disagreement of interests. Nov. vrem. 25 no. 22:2-1 Mh '67.
- EUROPE—ECONOMIC CONDITIONS**
[Foreign countries of Europe; politico-economic manual] Shtany azubezhnoi Evropy, politiko-ekonomicheskii spravochnik. Moskva, Politizdat, 1967. 372 p.
- EUROPE—ECONOMIC INTEGRATION**
The theory of "ultraimperialism" and the present. I. U. Shishkov. *Mit. ekon. i mezhdunar. otn.* no. 4:30-41 '67.
- EUROPE—PEACE**
For a peaceful Europe. Nov. vrem. 25 no. 19:1-2 Mh '67.
- EUROPE—POLITICS**
The crisis of an idea. O. Nakropin. Nov. vrem. 25 no. 23:9-10 Je '67.
- EUROPE—POPULATION**
Population of the capitalist countries of Europe after the Second World War. A. I. Shukla. *Vop. geogr.* no. 7:160-81 '66.
- EUROPE, EASTERN—AMNESTY**
Annulment of the legal consequences of conviction. V. Kvasht. *Sots. zakon.* no. 1:70-72 Ap '67.
- EUROPE, EASTERN—BIBLIOGRAPHY**
[New literature on the general problems of the European socialist countries] Nov. lit. po obshch. i polit. evrop. soiz. stran. no. 1 '67.
- EUROPE, EASTERN—COMMUNIST YOUTH**
Phonies of the socialist countries. G. Kogevin, A. Savina. *Nat. obs.* no. 1:105-110 Ap '67.
- EUROPE, EASTERN—ECONOMIC CONDITIONS**
New developments in the economy of European socialist countries. V. Litgaitzer. Nov. vrem. 25 no. 23:9-11 Je '67.
- EUROPE, EASTERN—ECONOMIC POLICY**
New developments in the national economic planning of the European socialist countries. R. Dvornigeev, Plan. Phoz. 44 no. 5:70-76 Mh '67.
- EUROPE, EASTERN—HISTORY—SOURCES**
[Sources and historiography of the slave middle ages; a collection of articles and materials] Istochniki i istoriografiya slavianskogo srednevekov'ia; sbornik statei i materialov. Moskva, Nauka, 1967. 285 p.
- EUROPE, EASTERN—INVENTIONS**
Creative collaboration. Vop. izobr. no. 3:70-71 Mh '67.
- EUROPE, EASTERN—MIDDLE AGES**
[Sources and historiography of the slave middle ages; a collection of articles and materials] Istochniki i istoriografiya slavianskogo srednevekov'ia; sbornik statei i materialov. Moskva, Nauka, 1967. 285 p.
- EUROPE, EASTERN—POPULATION**
Population of the foreign socialist countries of Europe. I. U. L. Pivovarov. *Vop. geogr.* no. 7:120-42 '66.
- EUROPE, EASTERN—SCIENCE NEWS**
Session of the Television Committee of the International Radio and Television Organization. *Sov. radio i tel.* 10 no. 5:36-40 '66.
- EUROPE, WESTERN—ECONOMIC CONDITIONS**
A Marxist symposium in West Germany. I. Khmel'nik. *Nov. vrem.* 25 no. 22:18-20 Mh '67.
- EUROPE, WESTERN—FOREIGN RELATIONS—UNITED STATES**
A visit which left no doubts. S. Boglov. *Mezhdunar. zhurn.* 11 no. 5:121-122 '67.
- EUROPE, WESTERN—GAS, NATURAL—GEOLOGY**
Types of oil and gas fields in the Paleozoic Platform of Western Europe and some regularities of their distribution. N. I. Uspenskaya. *Neftegaz. geol. i geofiz.* no. 2:48-50 '67.
- EUROPE, WESTERN—INVESTMENTS, AMERICAN**
A new dollar invasion in Europe. I. U. Shvedkov. *Nov. vrem.* 25 no. 19:18-20 Mh '67.
- EUROPE, WESTERN—PETROLEUM GEOLOGY**
Types of oil and gas fields in the Paleozoic Platform of Western Europe and some regularities of their distribution. N. I. Uspenskaya. *Neftegaz. geol. i geofiz.* no. 2:48-50 '67.
- EUROPEAN COMMON MARKET** see European Economic Community

EXCAVATING MACHINERY—DESIGN AND CONSTRUCTION

- Method of increasing efficiency of single-bucket excavators. V. P. Lomina, D. A. Kaminskaya, A. V. Mikhaylov, *Izv. vuzov, mash. stroit.* 10 no 2 12-26 '67.
- Mineral drills by lifting excavators. G. M. Shurakov, *Izv. vuzov, mash. stroit.* 42 no 4 51-53 Ap '67.
- 15H-10/70A walker dragline, changes in design and use in open-pit mine operations. N. N. Mel'nikov, *Izv. vuzov, mash. stroit.* 42 no 4 42-48 Ap '67.

EXCAVATING MACHINERY—PARTS

- Steel and epoxy bushings for excavators. L. M. Davydchinskii, S. F. Kostik, E. P. Oleshkevich, *Stroitel'mash* 12 no 3 37 Mr '67.

EXCAVATING MACHINERY—STANDARDS

- Standardization increases the durability of cast parts of excavators. V. I. Berlin, B. V. Zakharov, *Stroitel'mash* 12 no 4 38-40 Ap '67.

EXCAVATING MACHINERY—TESTING

- Unit for investigating forces in bucket digging of soil. I. P. Golovach, M. I. Barabash, A. K. Karanchuk, *Stroitel'mash* 12 no 4 26-27 Ap '67.

EXCAVATING MACHINERY—VIBRATION

- Vibration platform on the excavator. D. S. Antipin, *Top. trudov, prom.* 10 no 4 56 Ap '66.

EXCAVATION

- Oblique cutting and digging of soil. A. N. Zelenin, L. V. Kravchenko, *Stroitel'mash* 12 no 4 23-24 Ap '67.

EXCAVATIONS (ARCHAEOLOGY)

- (see also subdivision under Asia Minor, Bukovina; Ivano-Frankovsk Province; Kiev, Kiev Province, Kirovograd Province, Lubny, Ukraine, Lvov Province, Pripyet Valley)

- [A collection of archaeological studies] *Arkheologicheskii sbornik*, [Saratov] Izd-vo Saratovskogo univ., 1966, 139 p.

EXCITATION (PHYSIOLOGY)

- Changes in oxygen tension in the cortical layer of the adrenal glands under the effect of different stimulants on the body. I. A. Shul'zhenko, *Pat. B. i. izob.* 11 no 2 26-29 Mr '67.

- Changes in the bioelectrical activity of the medulla oblongata following stimulation of receptors of the urinary bladder. O. S. Melnikova, T. V. Popova, *Fiziol. zhur.* 53 no 3 280-290 Mr '67.

- Changes in the content of blood serotonin in rabbits during prolonged stimulation of the anterior portions of the hypothalamus with electric current. N. L. Vekshina, *Biol. eksp. biol. med.* 63 no 5 7-10 My '67.

- Characteristics of cortical potentials patterned from various ascending stimulations. L. M. Chuprina, *Fiziol. zhur.* 53 no 4 385-392 Ap '67.

- Effect of excitation of the amygdala on conditioned alimentary motor reflexes during ontogeny in dogs. N. M. Avilova, *Zh. v. s. nerv. anat.* 17 no 2 240-248 Mr '67.

- Effect of hydrocortisone on the functionally excited thyroid gland. A. A. Volkovich, L. K. Leonova, *Biol. eksp. biol. med.* 63 no 5 87-90 My '67.

- Effect of vestibular stimulation on the activity of the visual cortex in cats. G. I. Gorodnitskiy, G. D. Smirnov, *Zh. v. s. nerv. anat.* 17 no 2 345-352 Mr '67.

- Evoked activity in the parietal associative cerebral cortex in cats. A. G. Polakova, *Zh. v. s. nerv. anat.* 17 no 2 322-329 Mr '67.

- Manifestation of pathological explosiveness caused by excitation of hypothalamic structures. N. A. Kostenelova, *Zh. v. s. nerv. anat.* 17 no 2 249-255 Mr '67.

- Relation of electric and metabolic indices in excitation of the cell. A. B. Kogan, *Fiziol. zhur.* 53 no 3 260-265 Mr '67.

- Role of defence excitation in the extinction of avoidance reflexes. N. G. Ivanova, *Zh. v. s. nerv. anat.* 17 no 2 221-227 Mr '67.

- Role of mechanical stimulation of tissues in the process of the development of sarcom is induced by polynucleotides. G. A. Postogorova, *Vop. eksp. biol. med.* 108 '66.

- Significance of the quality of reinforcement for conditioned response activity. L. P. Rudenko, *Zh. v. s. nerv. anat.* 17 no 2 264-270 Mr '67.

- Thermal influence on the summation of excitation in the central apparatus of the extensor reflex. V. I. Stepko, *Fiziol. zhur.* 53 no 3 299-301 Mr '67.

EXCITATION (PHYSIOLOGY)—EQUIPMENT AND SUPPLIES

- Ten-channel attachment to a photic stimulator. A. M. Moshkov, M. M. Moshkov, M. S. Myslobodskii, *Zh. v. s. nerv. anat.* 17 no 2 371-373 Mr '67.

EXCITATION THEORY

- Calculating the energy of molecular excitations. A. S. Davydov, P. N. Mironov, *Dokl. AN SSSR* 173 no 5: 1040-1042 Ap '67.

- Coupled excitations in DNA crystals. V. I. Salnikov, *Fiz. tverd. tela* 8 no 1 97.

- Effect of Coulomb long-range interaction on Zeeman effect in dipole excitations. S. A. Moskalenko, M. I. Shakhmatov, *Fiz. tverd. tela* 8 no 1 130-135 Mr '67.

- Induced radiation through free excitations of acoustic phonons. P. I. Nolle, *Fiz. tverd. tela* 8 no 1 50-52 Ap '67.

- Possibility of the production of excitations in semiconductors. Z. A. Khammatova, *Fiz. tverd. tela* 8 no 1 115-121 Mr '67.

- Temperature dependence of induced excitations in the case of electron excitation. A. I. Kuznetsov, *Fiz. tverd. tela* 8 no 1 101-103 Mr '67.

EXCRETORY ORGANS

- Function of the excretory organs of the kidney and cephalopodous molluscs. A. I. Kuznetsov, A. G. Gusevskii, M. V. Nadezhda, *Fiziol. zhur.* 53 no 1 80-87 Ju '67.

EXECUTIONS (LAW)

- Participation of trade unions in legal execution of the execution of judicial decisions. A. I. Kuznetsov, *Pravo* no 1 77-81 Ap '67.
- Work experience of the judicial branch of the Khabarovsk District of Donbass. V. I. Kuznetsov, *Pravo* no 1 80-81 Ap '67.

EXERCISE

- Function of the muscle in physical exercise. K. I. Pukhov, *Arkheol. i etnol.* 98 Ap '67.

- Increase of the resistance to ultraviolet radiation under the effect of exercise on activity. I. R. Kuznetsov, N. I. Kuznetsov, *Fiziol. zhur.* 53 no 1 90-91 Ap '67.

EXERCISE THERAPY

- Sokolov, A. A. [Exercise therapy in dental practice]. *Fiziol. zhur.* 53 no 1 90-91 Ap '67.

EXHIBITIONS

- International exhibition in 1967. A. I. Kuznetsov, *Pravo* no 1 90-91 Ap '67.

- The U.S.S.R. Exhibition of Nationality. A. I. Kuznetsov, *Pravo* no 1 90-91 Ap '67.

EXISTENTIALISM see individualism under Psychology

EXPANSION (HEAT)

- Thermal expansion of liquid at low temperatures. A. I. Kuznetsov, *Fiziol. zhur.* 53 no 1 90-91 Ap '67.

- Thermal linear expansion of oriented polymers. M. M. Anisimov, V. V. Gerasimov, A. I. Kuznetsov, *Fiziol. zhur.* 53 no 1 90-91 Ap '67.

EXPERIMENTAL DESIGN

- Some applications of the probability method in the design of experiments. A. I. Kuznetsov, *Fiziol. zhur.* 53 no 1 90-91 Ap '67.

EXPERT EVIDENCE see Evidence, Expert

EXPLORERS

- [300 travelers and explorers; a biographical dictionary]. Translated from the German. 300 portraits of explorers; biographical sketches. Moscow, 1966, 270 p. (NN)

EXPLOSIONS

- Investigating causes of explosion in a closed system. G. A. Kuznetsov, A. A. Kuznetsov, *Fiziol. zhur.* 53 no 1 90-91 Ap '67.

EXPLOSIVES—TESTING

- Estimating the dissipative effect of explosive. I. N. Churavov, M. A. Mironov, *Vop. eksp. biol. med.* 108 '66.

EXPONENTIAL FUNCTIONS see Functions under Mathematics

EXPORT CREDIT see individualism under Economics

EXTINCT ANIMALS

- Causes of the extinction of some animals at the Pleistocene. M. L. Rudnyk, *Izv. AN SSSR* 173 no 2: 2-36 Mr '67.

EXTRACTION (CHEMISTRY)

- Determination of some neutral organophosphorus compounds. A. V. Nikolov and others, *Fiziol. zhur.* 53 no 2 254-259 Ap '67.

- Rapid radiometric method of determining the coefficients of zinc and cadmium distribution. A. P. Pavlov, I. N. Sokolov, *Fiziol. zhur.* 53 no 2 254-259 Ap '67.

- Study of diethyl ester of phenylmethylcarbamate as an extraction agent. I. N. Sokolov, *Fiziol. zhur.* 53 no 2 254-259 Ap '67.

EXTRACTION (CHEMISTRY)—CONGRESSES

International Conference on Extractions Chemistry. *Izv. A. Zolotov. Zhur. no. 1106-1107. 1p. '67.*

EXTREMITIES (ANATOMY)—BLOOD SUPPLY

Microcirculation of the endothelium of arterial main vessels in rat extremities in ontogeny, a histochemical and autoradiographic study. V.I. Malin, TSU. *Izv. 1. no. 2. 66-72. 1p. '67.*

EXTREMITIES (ANATOMY)—SURGERY

Phosphorus compounds in the muscles of a replanted extremity in early and late periods following the operation. T. I. Shcheglova and others. *Bull. eksp. biol. med.* 63. no. 1. 56-59. 4p. '67.

EXTRUSION (METALS)

Plastic yield of billet flange in extruding a cylindrical part. I. A. Tolokonnikov, S. P. Iakovlev. *Pril. mekh.* 3. no. 3. 116-119. 3p. '67.

[Pressure working of high-melting metals and alloys] Obrabotka davleniem tverdykh metallov i splavov. [By] N. I. Korneev. *Izv. Moskva, Metallurgiya*, 1967. 266 p.

EXUDATION (BOTANY)

Effect of foliar feeding on the exudation function of corn roots and on the development of rhizosphere microflora. L. T. Rubalka. *[Trudy]* 118-119. 57. 18-30. '66.

Rhythmicity of the excretion of organic substances by roots of graminaceous plants. A. P. Dubrov, I. V. Dubyagina. *Fiziol. rast.* 14. no. 2. 257-263. 7p. '67.

EYE—DISEASES AND DEFECTS

Burns of the eye. N. A. Suslov. *Voen.-med. zhur.* no. 1. 77-79. 3p. '67.

Eye diseases in thermal burns of the face. R. S. Popovtants, M. M. Sysoev. *Voen.-med. zhur.* no. 1. 39-40. 2p. '67.

EYE—PROTECTION

Is near sightedness an inevitable evil? No! A. Zinov'eva. *Smert' i shkola* 21. no. 10. 17. O. '66.

EYE—WOUNDS AND INJURIES

Wounds of the frontal lobe of the brain in a child, follow-up injury of the orbit and upper eyelid. A. I. Tsyganov. *Zhur. zh. med. i gos. bol.* 20. no. 2. 74-75. 2p. '60.

FACE—TUMORS

Rabinovich, L. M. [Odonogenic subcutaneous granuloma of the face] Odonogennaya podkozhnaya granuloma litsa. [Leningrad] Meditsina, 1967. 111 p. (Biblioteka prikladnogo vracha) (DNLN)

FACE—WOUNDS AND INJURIES

Chemical burns of the face. A. V. Klementov. *Voen.-med. zhur.* no. 1. 32-33. 2p. '67.

Eye diseases in thermal burns of the face. R. S. Popovtants, M. M. Sysoev. *Voen.-med. zhur.* no. 1. 39-40. 2p. '67.

FACIAL PARALYSIS see Paralysis, Facial

FACTORIES—AIR CONDITIONING

Elements of technology and production engineering in the design and operation of premises with constant temperature in the machine-tool industry. V. I. Rykovskii, I. P. Kovalev. *Tekhn. izv. no. 2. 29-33. 5p. '67.*

FACTORIES—DESIGN AND CONSTRUCTION see subdivision under Kotlas (Archangel Province)

FACTORIES—VIBRATION

Experimental study of vibrations of interfloor ceilings at a ship mill. D. E. Dolizic and others. *Trudy GTP [Gos. tr.]* no. 2. 65-69. '64.

FACTORS (ALGEBRA)

Some new theorems on classes of factor transforming polynomial series. Part I. M. G. Skovtsova. *Uch. zap. Kab.-Balk.-gos. un.* no. 13. 141-147. 6p.

FACTORY MANAGEMENT

(see also subdivision under L'vov, Leningrad Province)

Organization of foremen's work in serial production areas. R. Satonovskii. *Sots. trud* 12. no. 5. 86-100. 15p. '67.

FAEROE-SHETLAND CHANNEL REGION—OCEAN CURRENTS

Tidal currents. O. R. Lundberg. *Eksp.-inform. Mor. gl. ofr. Inst. AN USSR* no. 3. 42-52. '60.

FAINSHTEIN, ZINOVII VOL'FOVICH, 1898

Professor Z. V. Fainshteyn on his 60th birthday. K. I. Ibrayev, B. S. Iakub. *Urologiya* 25. no. 3. 64. Mye '60.

FALLING STARS see Meteors

FALLOT'S TETRALOGY see Tetralogy of fallot

FAMILY

(see also subdivision under Egypt)

Let us not get away from the main problem. S. Gazarlan. *Sem. na i shkole* 22. no. 3. 1-6. 6p. '67.

FANS (MACHINERY)

Influence of "diagonals" on characteristics of a ventilation system at the points of junction of fans working in parallel. N. S. Komkov, A. G. Zubanov. *Vop. bezop. v ugol' shakht.* 7. 13-16. '66.

New fans for local and independent air conditioners. G. S. Lashko, S. A. Pashchenko. *Izv. vuz. uch. zap. mashinost.* no. 1. 77-79. '67.

FANS (MACHINERY)—DESIGN AND CONSTRUCTION

VM-5 adjustable fan for local aeration. S. K. Ivanov. *Mash. i choi. dia mekh. i avtomatiz. trud. pri o. v. ugol' prom.* no. 3. 127-129. 3p. '66.

VR-5D-1.5 high-power centrifugal fans. I. A. Raskan. *N. I. Belous. Mash. i choi. dia mekh. i avtomatiz. trud. pri o. v. ugol' prom.* no. 3. 121-127. '66.

FAR EAST—ANTHROPOLOGY, PREHISTORIC

Some problems in the prehistoric ethnology of North-eastern Asia. Chester C. Chubb. *Sov. etn.* no. 2. 91-99. 9p. '67.

FAR EAST, SOVIET see Soviet Far East

FARADAY EFFECT

Effect of a strong electric field on the Faraday effect in indium antimonide. L. I. Volod'kevich and others. *Fiz. i tekhn. poluprov.* 1. no. 1. 145-146. 2p. '67.

Optical phenomena in p-CdS_{1-x}As_x. I. L. Karaseva and others. *Fiz. i tekhn. poluprov.* 1. no. 2. 276-280. 5p. '67.

FARM BUILDINGS see subdivision under Uzbekistan

FARM MANAGEMENT

(see also subdivision under Perm Province)

Alaishili, L. P. [Organization of labor on collective and state farms, a consultation] Organizatsiya truda v kollektivakh i goskhozakh, konsultatsiya. Moskva, Znanie, 1967. 44 p. (V pomoshch' lektsii)

FARM MECHANIZATION

[Problems of the automation of agricultural production] Problemy avtomatizatsii sel'skokhozyaistvennogo proizvodstva. Moskva, Kolos, 1964. 439 p.

(MUEW)

[Problems of the mechanization and electrification of agricultural production] Voprosy mekhanizatsii i elektifikatsii sel'skokhozyaistvennogo proizvodstva. Asikhabad, "Turkmenistan," 1966. 220 p.

FARM MECHANIZATION—STUDY AND TEACHING

(see also subdivision under Stavropol Territory) Diploma projects or state examinations. V. M. Aganin. *Sred. shkol. izv.* 11. no. 3. 11-16. 6p. '67.

Work mechanization on the experimental lots of schools. I. G. Kitav. *Shkola i prodv.* 11. no. 3. 31-42. 12p. '67.

FARM PRODUCE—MARKETING see subdivision under Bulgaria

FARM PRODUCE—TRANSPORTATION

Use motor vehicles more efficiently in harvesting. I. Kuchinskii. *Avt. transp.* 15. no. 4. 1-2. 2p. '67.

FASCIAC (ANATOMY)—TUMORS

Proliferative nodular fasciitis. S. S. Avedisov, A. I. Chukalov. *Khirurgiya* 43. no. 1. 93-98. 6p. '67.

FASHION

Romantic love, fashions, literature, etc. V. Smirnov. *Zhurnal* 11. no. 1. 77. 1p. '67.

[Season's fashions] Mod. ser. no. 1. Spring-Summer '67.

[Fashion magazine] Zhur. mod. no. 2. Summer '67.

FASTENINGS

Automation of the manufacture of fastenings. N. T. Kostina. *Mekh. i avtom. prodv.* 21. no. 4. 50-51. '67.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY) see subdivision under Kotur-Tepe Oil Field; Maritime Territory; Ural Mountains

FEAR

Cholinergic mechanism of the emotional reaction of fear. R. I. Il'chenko, A. G. Eliseeva. *Zhur. vyz. neiro. anat.* 17. no. 2. 330-337. 8p. '67.

FECES—ANALYSIS

Methodology for measuring the radioactivity of feces. A. M. Khachatryan, A. P. Kalitov. *Med. rad.* 12. no. 1. 74-75. 2p. '67.

FEDCHENKO GLACIER REGION—METEOROLOGY IN AERONAUTICS

Aerodynamic conditions for flights to Fedchenko Glacier in October 1957. V. A. Dzhordzhio, M. A. Petrosiants, N. N. Romanov. *Nauch. trudy IASHGU* no. 270. 28-36. '66.

Aerodynamic conditions for flights to Fedchenko Glacier on September 30 and October 4, 1958. V. A. Dzhordzhio, M. A. Petrosiants, N. N. Romanov. *Nauch. trudy IASHGU* no. 270. 37-43. '66.

FEED MECHANISMS

Disk feeder. D. P. Sergeev, K. L. Kalifenko. *Khim. i nef. mashinost.* no. 5. 16. 5p. '65.

Establishing intermittent axial feeds for gear-milling machines. M. P. Alenin. *Stan. i inst.* 38. no. 3. 32. 1p. '67.

FEED MECHANISMS—DESIGN AND CONSTRUCTION

Efficient use of free and forced feed in hole boring with mounted electric drills. E. I. Vychenko, V. L. Iazev. *Ugol' Ukr.* 11. no. 2. 32-33. 2p. '67.

FEED UTILIZATION EFFICIENCY

Carbohydrate-lignin complex content of feeds and its digestibility. M. V. Usupovskaya. *Trudy UINIZH* no. 1. 127-131. '59.

FEEDBACK CONTROL SYSTEMS

Chang, Sheldon, S. L. [Synthesis of optimum control systems. Translated from the English] Sintez optimal'nykh sistem avtomaticheskogo upravleniya. Pod red. V. V. Solodovnikova. Moskva, Mashinostroyeniye, 1964. 439 p. (NIP)

FEEDS—COMPOSITION see subdivision under White Russia

FEEDWATER

Decreasing condensate losses in electric power plants. V. I. Pizhenko. *Energetik* 15. no. 1. 6-8. 3p. '67.

Reducing oxygen content in feedwater for KV-15/1 boilers. S. G. Luk'yanov. *Ryb. khoz.* 13. no. 3. 28-30. '67.

Prevention of water by means of ion exchange. V. M. Solomin. *Energetik* 15. no. 1. 18-20. 3p. '67.

Use of turbine condensers in the capacity of network water heaters. *Energetik* 15. no. 2. 54. 1p. '67.

FEEDWATER PURIFICATION

Apparatus of intensive corrosion in the equipment of chemical feedwater purification systems. S. I. Gulyk. *Energetik* 15. no. 1. 25-26. 2p. '67.

Construction and operation of TBN-3 type clarifier units for coagulation. M. I. Malyshev, V. S. Pishov. *Energetik* 15. no. 3. 21-24. 4p. '67.

Deaeration of chemically purified water for replenishment of condensate losses in the cycle of a steam-power system. A. G. Gerasimov, V. A. Gerasimov. *Energetik* 15. no. 1. 11-12. 2p. '67.

Effect of an electromagnetic field on an incrustation formation process. V. K. Pogodin. *Izv. vuz. uch. zap. avt. energ.* 10. no. 1. 82-87. 6p. '67.

Improvement of the blast cleaning systems of a clarifier. V. S. Bachev, M. G. Molodtsov. *Energetik* 15. no. 1. 11. 1p. '67.

Operation of H-cation exchangers with "starved" regeneration. S. I. Gulyk. *Energetik* 15. no. 1. 12-13. 2p. '67.

Simple and reliable apparatus for magnetic treatment of water. B. P. Franka, A. P. Yavrukh. *Ryb. khoz.* 13. no. 10. 14-15. 2p. '66.

Water and chemical conditions of converter gas coolers. G. P. Sukol'skii. *Stal* 27. no. 3. 280-281. 2p. '67.

FEEDWATER PURIFICATION—CONGRESSES

Water conditions in thermal electric power plants. *Energetik* 15. no. 1. 57. 1p. '67.

FELJOA see subdivision under Black Sea region

FEMUR—FRACTURE

Experience in the use of preserved homotransplants in surgical treatment of fractures of the femoral neck. I. V. Shumilov. *Ortop., travm. i punkt.* 28. no. 1. 13-14. 2p. '67.

FENNOSCANDIA—GEOLOGY

Latest stage in development of Fennoscandia, Kola Peninsula, and Karelia. N. I. Nikolayev. *Bull. MOIP. Old. geol.* 42. no. 1. 19-68. 50-1. '67.

FEDOSIYA (UKRAINE)—CIGARETTES—CONTAINERS

Assembly-line method for the production of paperboard boxes for high-grade cigarettes. H. Berman, M. A. Timofeev. *Trud. prom.* no. 2. 13. 1p. '67.

FERGANA—CHEMICAL INDUSTRY

Fergana chemical work economy. I. Ch. Uzb. 3. no. 1. 6.

FERGANA PROV

Stratigraphic correlation of soil. AN SSSR. 171.

FERMENTATION

Innovations in the production of hydroalcoholic beverages.

FERMI SURFACE

Optical properties. G. A. Bolotin. *Izv. AN SSSR* no. 3. 463-471.

FERN, FOSSIL

FERRATES see

FERRICYANIDE

Interaction of ferricyanide with iron. A. N. Nezhovskiy. *Izv. AN SSSR* no. 3. 463-471.

FERRITES (MAGNETIC MATERIALS)

Dogdanov, G. B. [Principles of the theory and use of ferrites in measurements and control equipment] Osnovy teorii i primeneniya ferritov v tekhnike izmereniy i kontrolya. Moskva, Sov. radio, 1967, 399 p.

Characteristics of the magnetic reversal processes and the nature of coercive forces of cobalt ferrite powders. O. A. Ivanov, I. A. Shur, F. V. Shol'ts. Fiz. tver. tela 9 no. 4:1098-1105 Ap '67.

Ferrite devices. A. Lapaton. Tekhn. izobreteniya 25 no. 1:10-11 Ap '67.

High-frequency vibration in polycrystalline ferrites in the case of nonlinear ferromagnetic resonance. I. A. Monosov, V. V. Sumin. Fiz. tver. tela 9 no. 1:1216-1217 Ap '67.

Initial permeability in ferrites-garnets containing vanadium ions. S. A. Polinitskiy, O. B. Proskurnikov. Fiz. tver. tela 9 no. 3:812-813 Mi '67.

Magnetic properties of ferrites-garnets with high Curie point. O. B. Proskurnikov, M. M. Vencetshala, N. N. Parfenova. Izv. AN SSSR, Neorg. mat. 3 no. 4:714-746 Ap '67.

Konovalev, E. G., and G. S. Shulev. [Finishing of parts in a magnetic field with ferromagnetic powders] Chislovaia obrabotka detalей v magnitnom pole ferromagnitnymi poroshkami. Minsk, Nauka i tekhnika, 1967, 123 p.

Preparation and the magnetic study of nickel and cobalt monoferrites. G. D. Chachonidze, V. S. Vazazashvili, K. G. Lezhmava. Soob. AN Gruz. SSR 45 no. 2:383-389 P '67.

Studying the physical parameters of magnesium ferrite and manganese ferrite solid solutions. R. P. Smolin, L. I. Riabinkina. Zhur. tekhn. fiz. 37 no. 3:572-574 Mi '67.

FERRITES (MAGNETIC MATERIALS)—DEFECTS

Use of the ferromagnetic resonance method in measuring magnetostatic constants of ferrite single crystals. I. U. Koltukov. Fiz. tver. tela 9 no. 4:1149-1151 Ap '67.

FERRITES (MAGNETIC MATERIALS)—DIELECTRIC PROPERTIES

Superhigh frequency dielectric properties of ferrites-spinels. V. A. Samokhin, V. A. Samoilov, V. A. Obukhov. Fiz. tver. tela 9 no. 3:883-889 Mi '67.

FERRITES (MAGNETIC MATERIALS)—ELECTRIC PROPERTIES

Studying the dependence of some properties of magnesium ferrites and manganese ferrites on their composition. R. P. Smolin, L. I. Riabinkina. Zhur. tekhn. fiz. 37 no. 3:575-578 Mi '67.

FERRITES (MAGNETIC MATERIALS)—THERMAL PROPERTIES

Thermal conductivity and heat capacity of yttrium-aluminum garnets. L. D. Devachova, V. V. Tikhonov. Fiz. tver. tela 9 no. 3:772-777 Mi '67.

FERRITES (MAGNETIC MATERIALS), EFFECT OF TEMPERATURE ON

Formation and decay of boundary interlayers in chromium ferrite. V. N. Gidmuc, O. I. Iefimov. Dop. AN URSR no. 1:23-24 '61.

FERROCENE

Photolysis of trialkylferrocenylammonium cations and other derivatives of ferrocene. Ammonium cyclopentadienylides. A. N. Nesmetanov and others. Dokl. AN SSSR 173 no. 3:589-592 Mi '67.

Ratio of isomers in the oxidation of methyl-, ethyl-, and phenylferrocene. A. N. Nesmetanov, L. P. Ucheva, E. G. Petukhova. Izv. AN SSSR Ser. khim. no. 3:578-582 Mi '67.

Reaction of diazomethane with triferrocenyl- and difero-cenyl (phenyl) carbonyl. A. N. Nesmetanov and others. Izv. AN SSSR Ser. khim. no. 3:581-582 Mi '67.

FERROCYNANIDES

Effect of the concentration of hydrogen ions on the extraction of colloidal dissolved heavy metal ferrocyanides from hydrocolloids by emulsification. L. D. Skay-kunskaya, V. I. Baiskikhina. Zhur. prikl. khim. 789 Ap '61.

Method for determining sugars. G. M. I. B. Aseva. [Trudy] Khim. 57:96-103.

SUBSTANCES

of a ferromagnetic. E. N. Rumanov, E. G. tallografiya 6 no. 1:130-140 Ja-1 '61.

ISE—ELECTROMETALLURGY

ing of ferromanganese from concentrates on a dry deposit. N. V. Tolstoguzov, Zh. Lv. vys. ucheb. zav., Chern. met. 10 '67.

RESONANCE

ynamic fluctuations of magnetization on omagnetic resonance line. I. U. M. Shilnikov. Fiz. tver. tela 9 no. 4 '67.

sonance in small particles of nickel, I. U. J. Petov, B. A. Rusin, I. I. Fedo-metalloved, 23 no. 3:504-510 Mi '67.

High-frequency vibrations in polycrystalline ferrites in the case of nonlinear ferromagnetic resonance. I. A. Monosov, V. V. Sumin. Fiz. tver. tela 9 no. 1:1216-1217 Ap '67.

Scattering of slow neutrons on spin waves excited by ferromagnetic resonance. S. V. Makl. S. S. Stamenko-vich. Fiz. tver. tela 9 no. 3:733-738 Mi '67.

Use of the ferromagnetic resonance method in measuring magnetostatic constants of ferrite single crystals. I. U. Koltukov. Fiz. tver. tela 9 no. 4:1149-1151 Ap '67.

FERROMAGNETISM

Equation of relaxation of an isotropic ferromagnetic material. I. U. M. Iakovlev. Fiz. met. i metalloved, 23 no. 3:420-423 Mi '67.

Interaction of Bloch walls with dislocations in weak fields. L. A. Chelobekovich and others. Fiz. tver. tela 9 no. 4:1093-1097 Ap '67.

Nucleation and formation of domain structure in magnetic uniaxial ferromagnetic materials. Part 2. I. A. S. Shur, G. S. Karaulova. Fiz. met. i metalloved, 23 no. 4:627-635 Ap '67.

Spin wave theory in Heisenberg ferromagnetic materials. V. I. Mitsot. Fiz. met. i metalloved, 23 no. 3:409-419 Mi '67.

Theory of ferromagnetic free induction and the echo. U. Kh. Kopvillem. Fiz. tver. tela 9 no. 4:1038-1041 Ap '67.

FERROSILICON—ELECTROMETALLURGY

Smelting of ferrosilicocalcium and its use for deoxidation of steel. P. V. Topil'skiy and others. Stal' 27 no. 3:235-238 Mi '67.

FERROSILICON—METALLOGRAPHY

Calcium solubility in phase components of ferrosilicon with a high silicon content. A. V. Sabirzhanov and others. Izv. vys. ucheb. zav., Chern. met. 10 no. 1:12-17 '67.

FERTILIZER PLANTS—DESIGN AND CONSTRUCTION

see subdivision under 'Comet'

FERTILIZERS AND MANURES

(see also subdivision under 'Agriculture'; Armenia, Leningrad Province; Odessa Province; Polesye, Susunay Valley; White Russia)

Bel'skiy, B. B. [Mineral fertilizers in peat bogs; research on peat bog soils] Mineral'nye udobreniya na torfian-kakh, issledovaniya na torfano-bolotnykh pochvakh. Minsk, Urozhai, 1966, 130 p.

Change in the fertility of turf-Podzolic soils under the effect of fertilizers. L. D. Tikhomirova. Agrokhimika no. 1:87-90 Ap '67.

Correcting average norms of fertilizers. V. Kulper. Zemledelie 20 no. 4:37-49 Ap '67.

Determining phosphorus in fertilizers by the method of differential spectrometry. M. I. Sap, S. M. Iulnik, Khim. v sel. khoz. 5 no. 4:3-58 Ap '67.

Effect of diammonium hydrogen phosphate on the yield of farm crops. I. G. Kondrat'ev, L. V. Melnik, Agrokhimika no. 4:22-26 Ap '67.

Effect of fertilizers on the dynamics of the available forms of nutrients in peat bog soils. N. A. Volokhov, V. P. Shevchenko. Agrokhimika no. 4:82-86 Ap '67.

Effect of repeated use of fertilizers on the quality of common Chernozem and the productivity of crop rotation. T. A. Musienko. Agrokhimika no. 5:71-76 My '67.

Effect of the characteristics of turf-Podzolic soils on the effectiveness of mineral fertilizers and quality of vegetative production. N. S. Aydonin and others. Agrokhimika no. 5:77-80 My '67.

Effect of the use of fertilizers during a period of fifty years on the content and forms of potassium in Chernozem soils. I. U. Khud'ko, S. V. Sukhorus, G. G. Parcnik. Agrokhimika no. 4:3-12 Ap '67.

System of fertilizers in crop rotation. T. Kulakovskaya. Zemledelie 29 no. 4:42-45 Ap '67.

FERTILIZERS AND MANURES—ANALYSIS

Rapid determination of the volume of sulphate ions in fertilizers by the new nitric oxide indicator. N. N. Basargin, T. G. Akimova. Agrokhimika no. 5:123-125 My '67.

FERTILIZERS AND MANURES—FIELD EXPERIMENTS

Scientific documentation on field experiments with fertilizers. A. I. Polashov. Khim. v sel. khoz. 5 no. 4:61-65 Ap '67.

FERTILIZERS AND MANURES—TRANSPORTATION

see subdivision under 'Soviet Central Asia'

FERULA

Comprising from Ferula L. plants. N. P. Kir'yalov. Trudy Bot. inst. Ser. 5 no. 12:82-91 '65.

FESTA, NIKOLAI IAKOVLEVICH, 1912-1967

Nikolai Iakovlevich Festa. Khim. prom 43 no. 4:78 Ap '67.

FETUS

Effect of sigotin on the heartbeat of fetus following hemorrhage in the pregnant animal. G. A. Shestobachenko. Biol. eksp. biol. med. 63 no. 4:65-67 Ap '67.

FETUS—DISEASES

Characteristics of the influence of various factors on the different stages of embryogenesis in rats on the teratogenic activity of compounds of the female. N. A. Chelobekovich. Izv. AN SSSR, Ser. med. 221-225 Mi '67.

Papillary cancer of the uterine. V. I. Ilyashov. Logia 25 no. 3:66-67 My-Ju '61.

FETUS, EFFECT OF RADIATION ON

Airapetants, M. G. [Disorders of the fetus actively caused by antenatal radiation effects] nlia vysshei nervnoi delatelnosti, vyvazhaya nym luchevym vozdeystviem. Moskva, Med. 224 p.

FEVER

Comparative evaluation of pyrexia caused by and hyperthermia. V. D. Ilyashov. P. eksp. terapii 11 no. 2:31-32 Mi Ap '67.

FIBRINOGEN

Pathogenesis and treatment of fibrinogenemia. Cherniia. Pat. izloz. eksp. terapii 11 no. 2:31-32 Mi Ap '67.

FIBRINOLYSINS

New approaches in the diagnosis of fibrinolysis. V. M. Bogdanov. Vest. AN SSSR, Ser. med. 221-225 Mi '67.

Some biochemical indices of the fibrinolysis in rabbits with experimental atherosclerosis. O. V. Klapach. P. eksp. terapii 11 no. 2:67-68 Mi Ap '67.

FIBROIN

Free amino acids of the fibroin and silk gland in a silkworm. I. B. Ilyashov. va. Biokhimiia 32 no. 2:248-251 Mi Ap '67.

FICHTE, JOHANN GOTTLICH, 1761-1811

From Fichte to Hegel. Minsk, Med. shkoly, filoz. nauki 10 no. 2:11-18 P '67.

FIELD CROPS

(see also subdivision under 'Central Europe'; region; Perm Province; Polesye)

Basal of large crops. A. L. Lepikhina. Dokl. AN SSSR 173 no. 1:17-23 Ap '67.

FIELD EMISSION

Field emission of tungsten coated by thin aluminum oxide. I. I. Sukol'nina. Radiotekhnika i elektronika 12 no. 1:1-12 P '67.

Schottky emission and current saturation in Adh. ovlch. L. A. Dubovskiy. Dokl. AN SSSR 1032-1035 Ap '67.

Studying the autoelectronic emission of ferrocene. G. N. Tim'sel, I. I. Sokolovskiy. Izv. AN SSSR, Ser. fiz. 9 no. 4:1141-1148 Ap '67.

FIELD MICE

Characteristics of corollational structure of tests in common and Transcaucasian (Gires) S. V. Kanep. Zool. zhur. 10 no. 1:1-17 '67.

Insect fauna in the burrows of endemics. Prometheomys schaposhnikov. Ent. obozr. 46 no. 1:185-200 '67.

Relationship among close species of lemmings in their population control. T. V. Koshikhina. fauny i flore SSSR, Otd. zool. no. 4:1-11 '67.

FIELD THEORY (PHYSICS)

Groups of principal units of p-extension of field. Z. L. Borovich. Dokl. AN SSSR 173 no. 2:1-3 Mr '67.

FIELD WORK (EDUCATIONAL METHOD)

under Penza Province

FIELDING, HENRY, 1707-1754

It missed the goal. E. Dzigan. B. Ilyashov. tel. 9 no. 6:26-29 '60.

FIELDS, ALGEBRAIC

Numerical solution of certain fundamental theorems of the theory of algebraic fields of the real and complex numbers. B. I. Billevich. Uch. zap. Kab.-Balk. gos. univ. 1:1-11 '61.

FIG

Transformation of pectins in ripening figs. I. I. Chikina, E. V. Sapozhnikova. Pribl. biokhimiia 3 no. 2:140-146 Mi Ap '67.

FIGNER, LIDIA NIKOLAEVNA

An unknown article of L. N. Figner in the history of T. K. Shlygina. Kaz. v. ist. rev. lit. no. 1:79-84 '67.

FILBERT

Age-related periods in life cycle of filbert. I. I. Chikina. Uch. zap. GGPI no. 57:105-109 '66.

Growth dynamics in shoots, leaves and roots of filbert in an annual cycle. M. D. Kindakova. Uch. zap. GGPI no. 57:99-103 '66.

FILM COEFFICIENTS (PHYSICS)

Investigation of surface phenomena in single crystals.
Part 2: Mechanism and kinetics of the flattening of
surface defects in crystals with highly anisotropic sur-
face tension coefficients. I. A. G. Goguzin, M. N. Qochai-
enko. Kristallografiya 6 no 1 94-103 Jan '67

FILMS (CHEMISTRY)

Phase composition of amorphous films obtained by vapor
condensation in vacuum heating a mixture of silicon oxide
and silicon. T. A. Fadeeva, Z. P. Pashova. Dokl. AN
SSSR 165 no 1 129-131 D '65

Studying stability of vetted-wall conditions of liquid flow
in vertical pipe with ascending motion of gas. I. U. L.
Voiokhin, A. G. Kirdashkin, B. G. Pokushev. Khim. i
mashinost. no 3 35-38 May '65

FILMSTRIPS

How to make filmstrips. M. Kuklin. Tekhn. vopr. uzr.
25 no 2 26-27 F '67.

FILTERS AND FILTRATION

Dependence of the quality of beer on filtration through
various samples of the filtering mass. Sh. B. Gorbush-
tein. Perm. i sp. prom. 33 no 3 32-33 '67.

Effect of the concentration of a suspension on the specific
resistance of the precipitate during filtration. I. U. V.
Gulkin, V. A. Zhuzhikov. Khim. prom. 13 no 5 60-71
May '67.

Influence of cloth structure in the filtration of iron ore
concentrates. V. P. Bolento. Gorn. zhurn. 112 no 3
61-62 May '67.

Methodology of calculating drum vacuum filters with ex-
ternal filtering surface. N. V. Shpanov, I. U. V. Gulkin.
Khim. i mashinost. no 5 20-23 May '65.

Study of gamma irradiated ribonuclease by gel filtration
method. V. I. Maksimov, V. I. Osipov, E. D. Kaverzueva.
Biokhimiya 32 no 2 403-408 May '67.

Study of the thermomechanical and filtration properties
of a nitron fabric used for the purification of the gases
in the process of wet granulation of carbon black. V. P.
Kunkin, L. S. Denilova. Khim. i tekhn. 26 no 4 30-41
'67.

Technological indices of the performance of synthetic
cloth. A. I. Rafikova. Gorn. zhurn. 112 no 3 63-65
May '67.

FINANCE

(see also subdivision under Communist countries,
Lvov Province)

Improve the organization of the work of financial organs.
V. T. T. in SSSR 11 no 1 16-20 Apr '67.

In the Collegium of the Ministry of Finance of the
U.S.S.R. in SSSR 11 no 1 91-91 Apr '67.

Intraplant business accounting. Sov. profsoyuz. 23 no 5
6-7 May '67.

Meerovich, V. G. [Current financial work in an industrial
enterprise] Operativnaya finansovaya rabota na pro-
myshlennom predpriyatii. Moskva, Finansy, 1967. 90 p.

Put additional millions in the anniversary year budget.
I'm SSSR 41 no 1 1-7 Apr '67.

Role of Soviet finance in the industrialization of the
country and collectivization of agriculture. K. Plotnikov.
I'm SSSR 11 no 1 26-36 Apr '67.

Sverdlik, Sh. B., and S. I. Shteinberg. [The strategy of
search, economic work in industrial enterprises under
the new conditions] Strategiya poisk; ekonomicheskaya
rabota na promyshlennyykh i na podkhvatykh v novyykh uslo-
viyakh. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-
vo, 1967. 137 p.

Sychev, N. G., ed. [Finances of enterprises and branches
of the national economy] Finansy predpriyatiy i otraslei
narodnogo khozaystva. Kollektiv avtorov pod rukovod-
stvom N. G. Sycheva. Moskva, Finansy, 1967. 423 p.

FINANCE—CONGRESSES

(see also subdivision under Lithuania)

After the conference in Cheekers. M. Mitonov. Vnesh-
torg. 47 no 3 53-54 '67.

FINISHES AND FINISHING—EQUIPMENT AND SUPPLIES

[Mechanized tools and finishing machines; reference en-
cyclo] Mekhanizirovannyy instrument i obdelochnyye mashin-
ny, katalog-spravochnik. Moskva, Mashinostroyeniye,
1967. 463 p.

FINLAND—CHEMICAL INDUSTRIES

We visited Finland. V. Kochetkov. Neftianik 10 no 2
28-29 F '65.

FINLAND—COMMERCE—LENINGRAD

"Lentintorg" expands its operations. Vnesh. tovg. 47
no 3 44 '67.

FINLAND—FOREIGN ECONOMIC RELATIONS—RUSSIA

Interview with N. S. Patolichev, Minister of the Foreign
Trade of the U.S.S.R. Vnesh. tovg. 47 no 3 3 '67.

Negotiations and agreements. Vnesh. tovg. 47 no 3:
26-27 '67.

FINLAND—PETROLEUM INDUSTRY

We visited Finland. V. Kochetkov. Neftianik 10 no 2
28-29 F '65.

FINLAND—TRADE UNIONS—CONGRESSES

In the atmosphere of friendship and mutual understanding.
A. Plotnikov. Sov. profsoyuz. 23 no 7 12-14 Apr '67.

FIR

Volume of fir trees in relation to forest density and age.
V. I. Borisov. Ucheb. zap. GGI no 57 11-119 '66.

FIRE EXTINGUISHING

Conditions for the utilization of industrial fire preventing
devices. V. I. Zakharov, A. I. Rozlovskiy, I. L. Stizhev-
skiy. Bezop. trud. v prom. 10 no 10 17-48 Oct '66.

FIRE EXTINGUISHING—EQUIPMENT AND SUPPLIES

Fire-extinguishing properties of fire barriers. S. R.
Genkin, S. P. Sataev. Vop. bezop. v ugol. shakht. 7 246-
252 '66.

FIRE EXTINGUISHERS—DESIGN AND CONSTRUCTION

Fire extinguishers with 4K-6 centrifugal pumps and
PLSL-2 wheel shafts. V. I. Chalkov. Tref. prom. 44
no 2 46 '67.

Using ejector pumps for the proportioning of reagents
in extinguishing spontaneous fires in milled peat piles.
N. N. Gorachev. Trudy kal. i of. inst. no 10 56-62
'59.

FIRE PREVENTION

[From the experience of fire prevention work] Iz opyta
raboty pozharnoi okhrany. Moskva, Stroizdat, 1967.
35 p.

FIREARMS

Technology, weapons. Tekhn. i voorn. 25 no 1 13-46
Jan '67.

FIRE IN MINES see Mines fires

FIRST AID IN ILLNESS AND INJURY

For first aid. I. Danilshchikov. Voen. znaniya 13 no 2 18-
19 F '67.

FISH, CANNED—MICROBIOLOGY

Inspection of canned fish for the presence of Clostridium
perfringens. S. A. Nikolova, A. A. Ionova. Kuns. i
ov. prom. 22 no 3 28-31 Apr '67.

FISH CULTURE see subdivision under Don River,
Georgia; Ukraine; Ural Mountain region

FISH MEAL AS FEED

Effect of physical factors and chemical composition on
the process of fish meal pelleting. A. V. Lyubymov.
Khai. prom. no 2 28-31 May '67.

FISH POPULATIONS see subdivision under Volga Delta

FISH PROCESSING PLANTS

Study of friction of coat coefficients in mackerel and
smelt. A. Z. Umantsev. Ryb. khoz. 13 no 3 62-61
'67.

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Evaporation devices for drying ovens. I. G. Shif. Ryb.
kh. 43 no 3 57-59 '67.

Fish flouring machines. I. L. Tikhonov. Ryb. khoz. 43
no 3 55-56 '67.

Mechanized gas-oil oven. I. V. Maslennikov. Ryb. khoz.
43 no 3 10-51 '67.

FISHERIES

(see also subdivision under Kama Reservoir, Pacific
Ocean; Ural Mountain region)

Brief news. Ryb. khoz. 43 no 3 90-92 '67.

FISHERIES—BIBLIOGRAPHY see Bibliography—
Fisheries

FISHERIES—ECONOMIC ASPECTS

What is new in the wage and occupation classification
manual for workers of the fishing industry. M. N.
Bianskaya. Ryb. khoz. 43 no 3 71-75 '67.

FISHERIES—FINANCE

Ways of improving the use of capital assets. A. K. Ivono-
sov. Ryb. khoz. 13 no 3 72-73 '67.

FISHERIES—RESEARCH see subdivision under Atlantic
Ocean; Pelpus, Lake; Pskov, Lake

FISHERMEN see subdivision under Astrakhan

FISHERY PRODUCTS

Changes in the composition of meat of some Far Eastern
fish species after drying. M. I. Konstantitskiy. Ryb.
kh. 43 no 3 52-54 '67.

FISHERY PRODUCTS—PACKING

Packing food and semiprocessed products in polymeric
film material. V. M. Bykova and others. Ryb. khoz.
43 no 3 60-62 '67.

FISHERY PRODUCTS—STORAGE see subdivision under
Leningrad

FISHES

(see also subdivision under Irkutsk Reservoir;
Turgoyak, Lake; Volga Delta)

Changes in the fat of fishes during their aging. V. V.
Bal', S. R. Domnina. Izv. vys. uchob. zav. i spets. lekhn.
no 2 36-39 '67.

FISHES—EGGS

Colored eggs of whitefishes forming in fish hatcheries.
N. V. Gubova, I. G. Shestopakov. Trudy Ural. otd. Gos-
nauki 6 211-220 '61.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD

(see also subdivision under Kuigan Province;
Turgoyak, Lake; Volga Delta)

Combined use of mineral fertilizers and feeds in raising
carp. S. S. Gogolashvili, V. V. Ovinnikova, O. I. Tshu-
melidze. Trudy Nauch. issl. rybn. khoz. sta. Gruz. 10
7-17 '63.

Feeding habits of Paravan Lake carp in summer. G. G.
Verulashvili. Trudy Nauch. issl. rybn. khoz. sta. Gruz. 10
89-91 '65.

Food supply for Azov and Black Sea fishes of Engraulis
encrasicolus (L.). G. E. Shulman, L. M. Kokoz. Dokl.
AN SSSR 172 no 6 1127-1129 F '67.

FISHES—LARVAE see Larvae—Fishes

FISHES—PARASITES see Parasites—Fishes

FISHES, DEEP-SEA

Review of the genus Pogonophrynus Hegon (Pisces,
Hemirhamphidae) with the description of five new species
from eastern Antarctic Regions and southern Okhotsk
Islands. A. P. Anshin. Izv. TsSU SSSR 4 394-412
'67.

FISHING

Underwater hunting. N. K. Kozlov. Voen. znaniya 13 no 2
15 F '67.

FISHING BOATS

Basic trends in analyzing operational indices of fishing
fleets. V. S. Ivanov, V. Kh. Leonov. Ryb. khoz. 13
no 3 69-71 '67.

Calculation of hold storage capacity loss caused by using
different containers. A. S. Pokarev. Ryb. khoz. 13
no 3 21-27 '67.

Optimum distribution of fishing vessels in various oceans
as related to the time of the year. M. A. Kuznetsov.
Ryb. khoz. 13 no 3 80-83 '67.

FISHING BOATS—EQUIPMENT AND SUPPLIES

Modernizing technological equipment on Pioneer floating
base. N. P. Murmurov. Ryb. khoz. 13 no 3 46-47 '67.

Polymer protection of screw propellers and tail shaft.
I. Mogilevskiy, G. Sokolov, Z. Popova. Ryb. khoz. 13
no 3 69-78 '67.

Technological means for improving working conditions
and safety for fishermen. V. I. Gubov. Ryb. khoz. 43
no 3 31-33 '67.

FISHING PRODUCTS

Dependence of the value of γ -radiation anisotropy due to
thermal neutron fission of ^{235}U on the ratio of fragment
masses. G. V. Val'ukh, G. A. Petrov, B. S. Pleva.
Iad. fiz. 5 no 1 731-736 Apr '67.

FISTULA

Conservative method of treating rectal fistulas. S. S.
Sokolov. Khirurgiya 13 no 1 67-61 Apr '67.

Late results of surgical treatment of rectal fistulas.
A. A. Chernavskiy, G. Z. Lantsberg. Khirurgiya 13
no 1 50-62 Apr '67.

Methodology of surgical treatment of external latibulbar
fistulas and the selection of operations for their closure.
T. I. Ivanov. Khirurgiya 13 no 1 111-117 Apr '67.

FISTULA, PANCREATIC

Methodology of forming a chronic fistula of the pancreas
combined with a duodenal anastomosis in cattle. R. I.
Blumstein. Trudy Ural. otd. Vses. 1125-126 '59.

FISTULA, UTERINE

Methods of recording uterine contractions in goats by
fistulization. G. G. Sadykov. Trudy Oren. otd. Vses.
fiziol. ob-va no 3 125-132 '64.

FLAME

Diffusion combustion of gas in open flame. D. S. Sorok-
A. E. Fimov. Gorn. zhurn. 12 no 1 31-35 Apr '67.

FLAME PHOTOMETRY

Polukov, N. S. [Methods of analysis based on flame
photometry] Metody analiza po fotometrii plamenn.
2, izd., perer. i dop. Moskva, Khimika, 1967. 300 p.

FLAMMARION, CAMILLE, 1842-1925

Camille Flammarion; on the 125th anniversary of his birth.
F. Ju. Zigal'. Zern. i vesel. no 2 71-78 May '67.

FLANGES

Repair of flanges in cast parts from carbon steel.
I. M. Gofman and others. Luch. fiz. 13 no 1 27-28
Jan '67.

Rolling flange sections with mill. A. P. Chokmurev and
others. Nauch. trudy Dnepr. inst. cher. met. 21267-
298 '65.

FLAVONOIDS

"Robbin," N. P. Makslatina, V. I. Lyubynenko. Dop.
AN URSR. Ser. B 20 no 5 443-447 May '67.

Study of flavonoid compounds of the Phellodendron
szechuanense leaves. O. I. Shvachuk. Dop. AN URSR.
Ser. B 20 no 5 451-454 May '67.

On 11/11/12, the 12th of the month of November.

- FLUOROPLAST—TESTING**
Coefficients of linear expansion and heat conductivity of fluoroplast materials V. D. Pakhomenko and others. Khim. tekhn. no. 4-97-100 '66.
- FLUOROSCOPIC DIAGNOSIS** see Diagnosis, Fluoroscopic
- FLUORSPAR**
Fluorite phases in the systems $CaF_2 - LaF_3$, $SrF_2 - LaF_3$, $BaF_2 - LaF_3$, E. G. Ippolitov, L. S. Garashina, A. G. Makhachkov. Izv. AN SSSR, Neorg. mat., 3 no. 1 73-77 Ja '67.
- FLUORSPAR—ANALYSIS**
Analysis of fluorites using complexometry. I. B. Moises, Trudy VSEGEI 125, 172-178 '66.
- FLUX (METALLURGY)**
Consumable tips with ceramic flux for electric slag hard facing. D. R. Zolotarevskii and others. Svar. protzv., no. 1:36-37 Ap '67.
Influence of the composition of ceramic fluxes on dust formation and gas liberation in automatic deposition. K. A. Oleinichenko and others. Svar. protzv., no. 4:47-48 Ap '67.
- FLUXMETER**
Fluxmeter with adjustable frequency characteristics N. N. Kravak. Geofiz. zap. no. 27:51-58 '66.
- FLYWHEELS**
Designing the flywheel of a tractor engine E. M. Kazhdan, Mekh. mash. no. 1/2 98-105 '66.
- FOAM**
Experimental study of pressure changes in annular space during circulation of two-phase foams. V. A. Amlian, M. N. Amstas'ev. Neft. prom. delo no. 1 16-19 '67.
- FOG**
(see also subdivision under Novosibirsk region)
Some improved methods for forecasting radiation fog and visibility. N. V. Petronko. Trudy TSIP no. 157: 12-21 '66.
- FOLDS (GEOLOGY)**
Orogenic phases and periodicity in fold formation in the light of data of absolute geochronology. M. M. Rubinshteyn. Geotektonika no. 2:21-30 Mi-Ap '67.
- FOLLAR FEEDING**
Early and preharvest nitrogen foliar feeding of corn in Belgorod Province A. S. Semina. [Trudy] KISKIII 57 101-110 '66.
Effect of foliar feeding on the exudation function of corn roots and on the development of rhizosphere microflora. B. I. Rybalko. [Trudy] KISKIII 57 18-40 '66.
Increasing the yielding capacity of tomatoes using NPK foliar feeding with addition of growth promoting substances A. I. Kavalik. [Trudy] KISKIII 57 39-42 '66.
- FOLK ART** see subdivision under Tuva A. S. S. R.
- FOLK SONGS**
First Soviet songs E. Dolmatovskii, Sov. voen. 10 no. 7 10-41 Ap '67.
- FOLKLORE—THEORY, METHODS, ETC.**
Some laws of the development of national culture. V. V. Pimenov. Sov. etn. no. 2:3-14 Mi-Ap '67.
- FOLKLORE, YUGOSLAV—STUDY AND TEACHING**
A trip to Yugoslavia. V. E. Gusev. Sov. etn. no. 2:167-170 Mr-Ap '67.
- FONTIADI, EPAMINOND EPAMINODOVICH, 1907-**
Corresponding Member of the Academy of Sciences of U.S.S.R., E. E. Fontiadi; on his 60th birthday. Geol. i Geofiz. no. 1:142-144 Ja '67.
- FOOD—STERILIZATION**
Maslov, A. M., ed. [Equipment for high-temperature pasteurization, sterilization and cooling of food liquids] Oborudovanie dlia vysokotemperaturnoi pasterizatsii, sterilizatsii i okhlazhdeniia pishchevyykh zhidkostei, [by] G. A. Ereva'ko i dr., Leningrad, Mashinostroenie, 1967, 231 p.
- FOOD, CANNED**
Introduce new products. Khar. prom. no. 2:51-56 Mi-Ap '67.
- FOOD, CANNED—CONTAINERS**
Basis for the calculation of a double sealing seam of tin containers with regard to strength and tightness. G. I. U. Borshadskii, Kona. i ov. prom. 2 no. 4:17-20 Ap '67.
- FOOD, CANNED—STERILIZATION**
Use of infrared radiation for the thermal exhaustion of air from canned products in glass containers. F. I. Kogan, I. U. D. Ref. Kona. i ov. prom. 22 no. 4:10-12 Ap '67.
- FOOD, FROZEN**
(see also subdivision under Kiev)
New stable thickener for frozen culinary products. G. N. Lovacheva, L. I. A. Kovtunenko, Khol. tekhn. 44 no. 4: 27-29 Ap '67.
- FOOD INDUSTRY**
(see also subdivision under Moscow)
From the pages of newspapers. Kona. i ov. prom. 22 no. 1 44-45 Ap '67.
Red banners to the winners of the competition. Feim. i spl. i. prom. 33 no. 3:45-46 '67.
Specifications of the Second All-Union Public Inspection. Feim. i spl. i. prom. 33 no. 3:39-41 '67.
- FOOD INDUSTRY—FINANCE**
Some characteristics of converting branches of the food and light industry to the new system of management V. Maslennikov, V. Prokopov. Fin. SSSR 11 no. 4 81-89 Ap '67.
- FOOD INDUSTRY—INFORMATION SERVICES**
Technological information in the industry enterprises V. Kh. Iliamov. Inform. no. 2 49-52 Mi-Ap '67.
- FOOD INDUSTRY—PATENTS**
Patents. Khar. prom. no. 2:17-18 Mi-Ap '67.
- FOOD INDUSTRY—SAFETY MEASURES**
Pay more attention to safety measures. M. K. Musenko, Khar. prom. no. 2 18 Mi-Ap '67.
- FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS**
(see also subdivision under Ukraine)
Second All-Union public checkup on the realization of the planned introduction of the newest scientific and technical technical achievements into the industry. Kona. i ov. prom. 22 no. 1:42-43 Ap '67.
- FOOD MACHINERY**
Potentialities for accumulating capacities in the food machinery industry V. V. Golovko. Tekhn. og. protzv. no. 2 24-28 Mi-Ap '67.
- FOOD POISONING**
Group morbidity of alimentary intoxication of staphylococcal etiology. G. G. Gashimov, Azerb. med. zhur. 11 no. 4:80-81 Ap '67.
- FOOD SERVICE**
Advanced joys. A. Stytsyn. Mol. kontin. no. 2:60-62 '67.
- FOOD SUPPLY**
Disregarding hardships. M. Parshin. Tsi i snab. Sov. Voor. Sil 27 no. 4 45-48 Ap '67.
In Panshufkalla. G. Babkin. Tsi i snab. Sov. Voor. Sil 27 no. 4 36 Ap '67.
- FOOT—ABNORMALITIES AND DEFORMITIES**
Functional state of the muscles in transversal pes planus. L. P. I. Ipekina, G. N. Khamenka. Ortop., travm. i protez. 28 no. 4 28-31 Ap '67.
- FOOTWEAR** see Boots and shoes
- FORAGE PLANTS** see subdivision under Alma-Ata Province; Angren Valley; Chirchik Valley
- FORAMINIFERA, FOSSIL** see subdivision under Carpathian Mountains; Donets Basin; Kyzyl Kum; Nayba Valley; Transcarpathia, Ukraine; Uzbekistan
- FORAMINIFERA, FOSSIL—NOMENCLATURE**
Ratnovskaya, K. I. [Some rules for forming apocopes names of foraminifera and other micro-organisms] Nekotorye pravila obrazovaniia vidovykh nazvanii dlia foraminifer i drugikh mikroorganizmov. Leningrad, Nedra, 1967, 34 p. (Leningrad. Vsesoyuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 252)
- FORCEPS**
Improved design of a binchoesophagoscopic forceps. P. G. Dovgala. Zhur. uzh. nos. i gorl. bol. 20 no. 2:63 Mi-Ap '67.
- FOREARM—WOUNDS AND INJURIES**
Case of replantation of the forearm. V. I. Nikolaev. Ortop., travm. i protez. 28 no. 4 69-70 Ap '67.
- FOREIGN CORRESPONDENTS** see subdivision under Greece; Saigon
- FOREIGN RADIO STATIONS**
Reading letters from France V. Sedykh. Sov. radio i tel. 9 no. 4:20-21 '60.
- FOREMEN**
Organization of foremen's work in serial production areas. R. Saitanovskii. Sots. i trud. 12 no. 5:86-100 My '67.
- FORENSIC PSYCHIATRY**
Forensic psychiatric significance of psychic anomalies which do not exclude legal capability, concerning S. F. Semenov's article "Problem of limited (decreased) legal capability" D. R. Lunda. Zhur. nev. i psikh. 67 no. 4:605-608 '67.
- FOREST ECOLOGY**
(see also subdivision under Sverdlovsk Province)
Amounts of roots in the accumulative horizon of luf-Pudolite soil under the spruce, birch, and aspen canopy. Lesovedenie no. 2:83-87 '67.
Biogeocenological study of bogs. N. I. Pavchenko. Lesovedenie no. 2:37-45 '67.
- Conference on the problems of biogeocenology. L. M. Nosova. Lesovedenie no. 2 87-88 '67.
Forest research and biogeocenology V. N. Sukachev. Lesovedenie no. 2 3-10 '67.
Invertebrates and forest biogeocenoses. M. S. Giliarov. Lesovedenie no. 2:27-36 '67.
Maximal daily temperature of various air layers in pine and white-barked forests I. N. Elagin. Lesovedenie no. 2 81-82 '67.
Results of biogeocenotic study of forest-steppe oak forests and their silvicultural importance. A. A. Molchanov. Lesovedenie no. 2 11-26 '67.
Role of linden in increasing the resistance and productivity of forests. V. P. Timofeev. Izv. TSMA no. 1 125-112 '66.
Some results of the experimental studies of interrelation between plants on cutovers I. V. Kaitmanova. Lesovedenie no. 2:46-60 '67.
- FOREST FAUNA**
Invertebrates and forest biogeocenoses. M. S. Giliarov. Lesovedenie no. 2 27-36 '67.
- FOREST FIRES—PREVENTION AND CONTROL**
Nikitin, L. L. [Safety measures and forest fire prevention techniques in forestry] Tekhnika bezopasnosti i protivopozharnaya tekhnika v lesnom khoziaistve. Moskva, Lesnaya promyshl., 1966, 218 p. (DNAL)
- FOREST INFLUENCES**
Considering forest influence in calculating and forecasting spring streamflow. A. I. Shubofin. Trudy TSIP no. 148:3-13 '66.
Total evaporation by grass cover in wooded and woodless drainage basins in southern taiga O. V. Shakhova. Lesovedenie no. 2 61-66 '67.
- FOREST INSECTS—BIOLOGICAL CONTROL**
[Studies on the biological method for controlling farm and forest pests, reports for the symposium of November 17-20, 1964] Issledovaniia po biologicheskomu metodu bor'by s vrediteliami sel'skogo i lesnogo khoziaistva, doklady k simpoziumu 17-20 noabria 1964 g. Novosibirsk, 1964, 223 p. (DNAL)
- FOREST MANAGEMENT**
Trull, O. A. [Mathematical statistics in forestry] Matematicheskaya statistika v lesnom khoziaistve. Minsk, Vysshata shkola, 1966, 232 p.
- FOREST MANAGEMENT—ACCOUNTING** see subdivision under Ukraine
- FOREST MANAGEMENT—FINANCE** see subdivision under Ukraine
- FOREST NURSERIES** see subdivision under Gorkiy Province
- FOREST WORKERS—LEGAL STATUS, LAWS, ETC**
Work in the forest. B. Chubals. Okh. i lude i sots. strakh. 10 no. 5:11-13 My '67.
- FORESTRY ENGINEERING**
[Pushkin Experiment and Demonstration Mechanized Forest Working Circle] Pushkinskii opytno-pokazatel'nyi mekhanizirovannyi leskhoz. Moskva, 1959, 4 p. (OrCS)
- FORESTRY RESEARCH**
Forest research and biogeocenology. V. N. Sukachev. Lesovedenie no. 2 3-10 '67.
- FORESTS AND FORESTRY**
(see also subdivision under Ca Ravines in forests F. M. Mil'ko. Mr '67.
- FORESTS AND FORESTRY—EXP**
[Pushkin Experiment and Demonstration Mechanized Forest Working Circle] Pushkinskii opytno-pokazatel'nyi mekhanizirovannyi leskhoz. (OrCS)
- FORESTS AND FORESTRY—MEN**
Volume of fir trees in relation to V. I. Boissav. Uch. zap. GGIPI 1
- FORGE SHOPS—EQUIPMENT AND**
Analyzing conditions of operating attending mechanics. I. I. Aidozov. Mashinost. no. 3 175-176
Selection and economic justification of automatic control L. T. Komarova. Kuz. i shtam. 1 Mr '67.
- FORGING**
Certain properties and conditions of stainless heat-resistant steel Sytko, V. P. Potapova. Stal' 27
Criterion for the workability of a forging. D. I. Berzhkovskii. 1 no. 4:61-63 Ap '67.
Determining the work of deformation expansion of tubular billets. V. str. i tekhn. vord. flota no. 7 81-8

FORGING (Continued)

Die forging of blanks of wristwatch case frames. A.G. Anikeev, A.A. Bobkov, Kuz.-shtam.proizv. 9 no. 3-15-38 Mr '67.

Forging of a hinge cam. R.P. Vlaev, T.K. Romashkin, Kuz.-shtam.proizv. 9 no. 3-41-42 Mr '67.

Manufacture of hollow forgings from riseless ingots of new configuration. L.N. Sokolov and others, Kuz.-shtam.proizv. 9 no. 3-12-15 Mr '67.

Nonuniformity of deformation during upsetting. A.G. Pilyenko, Kuz.-shtam.proizv. 9 no. 3-6-9 Mr '67.

Present state and principal directions in the expansion of forging in West Siberian Economic Regions. A.G. Mironov, Trudy MNIPTMAISH no. 1, 173-186 '63.

[Pressure working of high-melting metals and alloys] Obrabotka davleniem tupoavlykikh metallov i sployov. [By] N.I. Korneev, i dr., Moskva, Metallurgiya, 1967, 266 p.

Selecting efficient conditions for forging and stamping billets for piston rods. A.M. Maslov, A.M. Lashin, Izv. Vuzov 38 no. 3-12-33 Ap '67.

FORGING—TECHNOLOGICAL INNOVATIONS

Improving technological processes of forging. N.N. Andrienko and others, Tekhnolog. no. 2-62-63 Mr '67.

Improving technological processes of working metals by pressure. V.I. Krasnitsky, M.I. Tarlovskaya, Tekhnolog. no. 2-63-65 Mr '67.

FORGING MACHINERY

Experimental determination of forces during the cold forging of nuts on the 1413 automatic machine. V.I. Golevich and others, Kuz.-shtam.proizv. 9 no. 3-26-27 Mr '67.

Increasing the output of press forging machines. I.M. Podabinskiy, Kuz.-shtam.proizv. 9 no. 3-41-46 Mr '67.

FORGING MACHINERY—VIBRATION

Measuring vibrations in automatic forging processes and measures to reduce them. A.R. Melnikov, I.U. A. Mironovskiy, I.I. Novikov, Kuz.-shtam.proizv. 9 no. 3-30-34 Mr '67.

FORK LIFT TRUCKS

Cart with a lifting platform. V.V. Popovich, Mashinostroyeniye no. 4-41 Ap '67.

Evaluating operating conditions of the loading of mechanical universal electric fork lift trucks. I.V. Konovalov, I.V. Petrov, Vest. mashinostroyeniya no. 4-17-19 Ap '67.

FORMALDEHYDE

Condensation of formaldehyde with olefins in anhydrous hydrofluoric acid. L.S. Gorman, I.I. Krasnitsky, Izv. AN SSSR Ser. Khim. no. 3-67-69 Mr '67.

Diels-Alder adduct reactions with formaldehyde. Report No. 1: Condensation of adducts on cyclopentadiene and unsaturated compound with formaldehyde. N.K. Moschinskaya and others, Khim. tekh. no. 1-80-88 '66.

Diels-Alder adduct reactions with formaldehyde. Report No. 2: Condensation of endocyclic aldehydophthalic and acetoxyethyl-endocyclic aldehydophthalic anhydrides with formaldehyde. N.K. Moschinskaya, V.P. Sorokin, Khim. tekh. no. 4-87-91 '66.

Formal detoxication of Clostridium perfringens toxins. N.M. Chernous, Vest. sel'khoz nauki [Kazakh.] 10 no. 3-77-80 Mr '67.

FORMAMIDE

Equilibrium in the system synthetic fatty acid - paraffin - dimethylformamide. A.F. Frolov, B.I. Freger, B.S. Strel'tchik, Khim. prom. 43 no. 2-33-34 F '67.

Stability and the corrosive aggressiveness of dimethylformamide and its aqueous solutions. V.N. Dolnikin, G.V. Mikhailova, L.A. Kuznetsova, Khim. prom. 43 no. 5-13-40 My '67.

FORMAMIDE, EFFECT OF RADIATION ON

Pulse radiolysis of formamides. N.S. Fel'd, P.I. Dolnik, V.I. Zolotarevskiy, Khim. vys. energ. 1 no. 2-15-160 Mr '67.

FORMAZANS

Synthesis of formazans with salt-forming groups. Part 8: Cyanoforformazans with arsenic groups. M.I. Esmakova, L.N. Vorontsova, N.I. Latosh, Zhur. ob. khim. 37 no. 3-649-652 Mr '67.

FORMIC ACID

Absorption of formic acid on platinum electrode. Nature of adsorbed particles. N. Minakshisundaram, I.U.B. Vesil'ev, V.S. Bagot'skiy, Elektrokhim. 3 no. 2-193-199 '67.

FORMIC ACID, EFFECT OF RADIATION ON

Electron paramagnetic resonance spectra of irradiated frozen aqueous solutions. Part 5: Aqueous solutions of formic acid. O.F. Khodzhayev, B.G. El'shov, A.K. Pilyaev, Khim. vys. energ. 1 no. 2-161-167 Mr '67.

FORMS (MATHEMATICS)

Continuous linear forms on inductive limits of derivative straight lines. V.D. Golovin, Dokl. AN SSSR 173 no. 3-503-506 Mr '67.

FORMS, QUADRATIC

On a problem of S.L. Sobolev. A.F. Gámet'skiy, I.A. Baltag, Izv. VNI Mold. SSR no. 1-65-67 '66.

FORSTERITE

Pressability of forsterite mass. S.I. Shcheglov, V.D. Zait'sina, Khim. tekh. no. 1-101-109 '66.

FORTIFICATIONS, OLD

see subdivision under Aimentia, Khotin (Bukovina)

FOSSIL BIRCH

see Birch, Fossil

FOSSIL GASTROPODA

see Gastropods, Fossil

FOSSIL OSTRACODA

see Ostracoda, Fossil

FOSTER HOME CARE

With motherly concern. I.U. Zamyatin, M. Lebedeva, Sem'ya i shkola 22 no. 3-47 Mr '67.

FOUNDATIONS

Design of frames and strip foundations with allowance made for their joint operation. G.V. Omadze, Trudy GPI [Gruz.] no. 2-223-230 '64.

Gervaz'uk, B.V. [Calculating foundation gliders] Taschet fundamentykh gliderov, Kiv, Budiveln'nyk, 1967, 96 p.

Mortarless walling of composite foundations built from interlocking blocks. D.M. Mshvenladze, R.K. Thomladze, Trudy GPI [Gruz.] no. 2-209-215 '61.

Stability of subsurface control network. N.A. Budentov, A.T. Storozhenko, Gend. i art. no. 3-7-29 Mr '67.

FOUNDATIONS—DESIGN AND CONSTRUCTION

Calculating the base area of non-symmetrical foundations. L.T. Shengulua, Trudy GPI [Gruz.] no. 2-305-310 '64.

FOUNDING

Korot'kov, A.M. [Founding properties of metals and alloys] Liteinye svoystva metallov i sployov, Izd. 2., dop., Moskva, Nauka, 1967, 198 p.

Using the "reduced dimension" in calculating the cooling of castings after solidification. I.S. Zait'sman, Izv. Vuzov 38 no. 3-11-12 '67.

Utilization of electromagnetic forces to change the weight of liquid metals and the use of this method in founding. I.I. Pokhly, B.I. Cherkov, Izv. Vuzov 38 no. 3-11-12 '67.

FOUNDING—STUDY AND TEACHING

(see also subdivision under Aktyubinsk)

Aquainting the students with founding processes. V.F. Evyat'kov, Shkola i proizvod. 11 no. 3-16-21 Mr '67.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Heat exchange processes in water-cooled chills. A.D. Akimenko, P.I. Vashinin, A.A. Svyat'sov, Izv. vys. ucheb. zav. Chern. met. 10 no. 3-158-162 '67.

Manufacturing foundry equipment of plastics on an epoxy-resin base. A.Kurdiukov, K.Svat no. 7-54-65 '63.

Theoretical determination of the optimum thickness of chill coatings in centrifugal casting of pipe blanks. T.M. Gol'dfarb, N.I.U. Fatis, O.S. Eroshovskiy, L.V. Vys. ucheb. zav., Chern. met. 10 no. 4-133-137 '67.

FOURIER SERIES

Absolute convergence of Fourier series of almost periodic Bohr's functions. I.A. H. Pytula, Dop. AN URSSR, Ser. A 29 no. 4-319-322 Ap '67.

Approximation of functions by mean values of Walsh-Fourier series. V.M. Koval'skiy, Soob. AN Gruz. SSR 45 no. 2-305-310 F '67.

Approximation of functions with a given continuity modulus by particular sums of Fourier-Laguerre series. A.Kh. Babayev, Usp. mat. nauk 22 no. 2-130-132 Mr '67.

Completeness of a trigonometric system. P.G. Svyat'sov, Uch. zap. Kab.-Baik. gos. un. no. 13-139-141 '61.

On factors of transformation of Fourier series of certain classes of functions. M.G. Skvortsova, Uch. zap. Kab.-Baik. gos. un. no. 13-117-150 '61.

Parabolic-type equation with rapidly alternating coefficients. G.I.A. Lhubarskiy, Teor. funk., funk. anal. i ikh prilozh. no. 3-183-203 '66.

Some new theorems on classes of factors transforming Fourier series. Part I. M.G. Skvortsova, Uch. zap. Kab.-Baik. gos. un. no. 13-141-117 '61.

Summability of Fourier series by convolutions of infinite matrices. D.A. Kogan, Mat. zap. Ural. mat. ob.-va URGU 5 no. 2-59-65 '65.

Vasil'kov, D.A. [Elements of the theory of Fourier series] Osnovy teorii ryadov Fur'e, Moskva, 1964, 40 p.

FOXES

Effect of maintenance conditions on growth and development of young foxes. E.D. Il'ina, I.A. Gus'kova, Trudy Mosk. vet. akad. 16-46-54 '57.

Nature of defects of red fox pelts. A.A. Konukhovich, Trudy Mosk. vet. akad. 16-158-166 '57.

FRACTIONAL DISTILLATION

see Distillation, Fractional

FRACTIONS, CONTINUED

Recursion relations for numerators and denominators of convergents of continued fractions. M.L. Mikh. zap. Bk. gos. ped. inst. no. 20-250-253 '61.

FRACTURE OF SOLIDS

Brittle fracture near holes in compressed bodies. Kaminsk'yi, Dop. AN URSSR, Ser. A 20 no. 1-31-32 '67.

Process of the fracture of rods under the action of waves. V.G. Zhurba, PMTF no. 6-123-125 '66.

FRACTURES

Clinical and anatomical analysis of lethal outcomes of craniofacial trauma, combined with fractures of lesions of internal organs. N.A. Zvonkov, I.I. Iman, A.P. Fraerman, Sov. med. 30 no. 3-4-13 Mr '67.

Controversial problems in the treatment of open fractures of the lower extremities. A.V. Faplan, O.N. Malyukov, V.M. Melnikova, Ortop., travm. i protez. 24 no. 4-7: Ap '67.

Experience in the treatment of open fractures of the long tubular bones. I.S. Poleshchuk, Ortop., i protez. 28 no. 4-60-63 Ap '67.

Intensity of the absorption of phosphorus and other radioactive isotopes by osseous tissues in fracture complicated by acute radiation sickness. M.D. A. laev, Dokl. AN Azerb. SSR 22 no. 11-51-51 '66.

FRANCE—COMMUNIST PARTY

Historical experience of the national front and the E. Ambatsumov, Kommunist 11 no. 7-111-113 '67.

FRANCE—PATENT LICENSES

New data on the French license trade. Vop. izobr. 57-58 Mr '67.

FRANCE—PATENT PRACTICE

Procedure for filing a patent claim in France and the Federal Republic of Germany. J. Javon, Vop. izobr. no. 3-38-41 Mr '67.

FRANCE—RADIOBROADCASTING

Reading letters from France. V. Selysh, Sov. radio i tel. 9 no. 1-20-21 '60.

Welcome! L. Korolev, Sov. radio i tel. 9 no. 1-7 '61.

FRANCE—STRIKES AND LOCKOUTS

Workers and politics by decree in France. P. Il'ina, Nov. vsem. 25 no. 22-5 My '67.

FRANKL', FELIKS ISIDOROVICH, 1905-1961

F.I. Frankl', obituary. Uch. zap. Kab.-Baik. gos. un. 1-2 '61.

FRANKO, IVAN, 1850-1916

I. Franko in the evaluation of f. Nechul'-evyts'kiy, U. Taranenko, Rad. lit. 11 no. 2-46-55 F '67.

A united scientific session devoted to I. Franko, V.P. Oliniy, Rad. lit. 11 no. 2-103 F '67.

FRANZ JOSEF LAND—MAGNETIC FIELDS

Lunar periodic variation of the magnetic field on Franz Josef Land. V. Shcher, Gromag. i aer. 7 no. 2-11-13 Mr '67.

FREE WILL AND DETERMINISM

Bourgeois "critics" of the Marxist theory of social determinism. M. Sh. Bakhtinov, Nauch. dokl. Vys. sh. filoz. nauk. 10 no. 2-79-87 '67.

FREEDOM OF THE SEAS

Inadmissible violations of open sea freedom, a general recognized principle of the international law. Ilyb. khaz. 43 no. 3-3-4 '67.

FREEZE-DRYING

Coefficient of object amplification in sublimation drying. V.V. Krylov, B.P. Kamovnikov, Izv. vys. ucheb. zav. pishch. tekh. no. 2-141-143 '67.

FREEZING POINTS

Activity coefficients and osmotic coefficients of KCl and cesium chlorides in water at freezing point. R.I. Mostkova, I.U. M. Kessler, I.V. Safonova, Elektrokhim. 3 no. 4-516-518 Ap '67.

FREIGHT AND FREIGHTAGE

Kals, L.Z. [Transport and the rationalization of economies in the new five-year plan] Transport i ratsionalizatsiya ekonomicheskikh svyazey v novoy planirovke, Yaskva, Ekonomika, 1967, 165 p.

On board river vessels. V. Shagin, Tyl. i snab. Sov. Voor. Sil 27 no. 3-81 Mr '67.

FREIGHT AND FREIGHTAGE—CLAIMS

Some problems concerning the relations between organizations and railroads. I.U. Shaul'skiy, Ruk. pravo no. 4-56-57 Ap '67.

FREIGHT AND FREIGHTAGE—CLASSIFICATION

Grouping according to the type of transported goods and ways of unifying it. E.A. Sviridova, Trudy MIIT no. 235-6-16 '66.

FRENCH LANGUAGE—DICTIONARIES—RUSSIAN

Baron, L.I., ed. [French-Russian technical dictionary 35,000 terms] Frantsuzsko-russkii tekhnicheskii slovar'. 35 000 terminov. Moskva, Sov. Entsiklopediya, 1967, 608 p.

- FRENCH LANGUAGE—STUDY AND TEACHING**
Defense of a dissertation. Sov. pedagog. 31 no. 1:156-157 Ap '67.
- FRENCH PERIODICALS**
A new Marxist periodical in France. N. V. Novikov, A. K. Zhuravskii. Vop. filos. 21 no. 4:169-172 '67.
- FREONS**
Determination of moisture content in the oil-n-con mixture by infrared spectroscopy. V. S. Pavlov and others. Khim. tekhn. 41 no. 11:11-11 Ap '67.
Experimental study of the oiling of metal in tubes. T. M. Sutsina. Khim. tekhn. 41 no. 11:11-11 Ap '67.
- FREONS—THERMODYNAMICS**
Thermodynamic properties of Freon S118. A. V. Kleish. Khim. tekhn. 41 no. 11:21-21 Ap '67.
- FREQUENCY CHANGERS**
Efficiency of modulator-type frequency converters. V. M. Gukov, Izv. vuz. ucheb. zav. (eng.) 10 no. 4:46-50 Ap '67.
Instability in converters using nonlinear capacitance. I. K. Solov'ev. Radiotekhnika 22 no. 1:105-107 Ap '67.
Master oscillators with independent bias for converters and inverters. R. S. Garbatov, V. N. Zel'din. Trudy VNI no. 66:288-300 '66.
Selection of multipulse circuits for large rectifier converters. S. D. Avak'yan. Elektr. tekhnika 38 no. 3:7-10 Mi '67.
Single-armature synchronous frequency converter. B. A. Sumakov, N. P. Semenov. Izv. vuz. ucheb. zav., elektr. mekh. no. 2:100-103 F '67.
Single-phase excitation for converters with increased frequency. I. G. Koshcheev and others. Elektr. tekhnika 38 no. 3:11-11 Mi '67.
- FREQUENCY MULTIPLIERS**
Frequency multiplication with a grounded-grid triode and a diode. V. N. Bruevich. Radiotekhnika i elektronika 12 no. 4:717-719 Ap '67.
- FREQUENCY REGULATION**
Optimal system for automatic phase frequency control. V. P. Sizov, M. V. Kapranov. Radiotekhnika i elektronika 12 no. 4:717-719 Ap '67.
- FRESH WATER** see subdivision under Abkhazia
- FRESH WATER—ANALYSIS** see subdivision under Georgia
- FRESHWATER BIOLOGY**
Fifty years of Soviet freshwater hydrobiology. V. I. Zhadin. Gl. izd. zhur. 1 no. 2:1-19 '67.
- FRESHWATER FAUNA**
(see also subdivision under Balkan, Lake; Volga River)
Use of radioactive carbon in studying feeding habits and food relationships of aquatic animals. U. I. Sorokin. Tr. Inst. biol. i med. vol. no. 12:75-110 '66.
- FRICTION**
Analytical determination of the temperature due to friction in cutting. N. V. Tashkov, T. V. Shilova. Zhur. tekhn. 37 no. 1:789-793 Ap '67.
Behavior of the friction coefficient in case of a compressed gas flow in pipes at very high negative pressure gradients. M. M. Nazirchuk, V. N. Panchenko. PMTF no. 6:93-96 N-11 '66.
Determining slidings caused by the occurrence of maximum coefficients of friction. U. N. Dordov. Vest. mashinost. 41 no. 4:20-21 Ap '67.
Friction due to frictional rolling with slipping of the roller pair. V. A. Rudin, U. V. Vrublev. Izv. vuz. ucheb. zav., mashinost. no. 1:11-15 '67.
Study of friction of test coefficients in machine and some. A. Z. Umantsev. Ryb. khoz. 43 no. 3:62-64 '67.
- FRICTION—MEASUREMENT**
Performance of sectional instruments for measurement of external friction during plastic deformation. A. A. Vinitskii, A. A. Pristakov. Izv. vuz. ucheb. zav. i inzh. mek. 10 no. 3:101-101 '67.
- FRUIT FLIES—EXTIRPATION** see subdivision under Kustanay Province
- FROGS** see subdivision under Volga Delta
- FRONTAL SINUS**
Anatomy of frontonasal canals. I. K. Revskoi. Arkh. anat., gist. i embri. 52 no. 4:50-53 Ap '67.
- FRONTAL SINUS—TUMORS**
Osteoma of the frontal sinus following trauma. V. M. Kaplan. Zhur. uzh. nos. i gorl. bol. 20 no. 2:80-81 Mi-Apr '60.
- FROST RESISTANCE CONCRETE**
Moskvin, V. M., and others. [Resistance of concrete and reinforced concrete below freezing points] Stokost' betona i zhelezobetona pri otlivatsel'not temperature. Moskva, Izd-vo lit-ry po stroit., 1967. 131 p.
- FROSTBITES**
Wounds, burns, frostbites. T. I. Ar'lev. Voen.-med. zhur. no. 4:23-27 Ap '67.
- FROZEN FOOD** see Food, Frozen
- FROZEN GROUND**
(see also subdivision under Yenisey Valley)
Basic characteristics of depth of freezing of soils in European part of U.S.S.R. based on data of 1938-1962. Trudy TSIP no. 148:172-183 '66.
Building of cold storage warehouses on heaving soils. U. S. Lenchuk. Khim. tekhn. 41 no. 4:29-30 Ap '67.
- FROZEN GROUND—ELECTRIC PROPERTIES**
Specific electric resistance of frozen original rocks in natural occurrence. V. S. Akupov. Geol. i geofiz. no. 12:79-88 '66.
- FRUIT**
(see also subdivision under Caucasus, Northern)
Igorov, V. I., and I. P. Grachishnikov. [Ways for the intensification of horticulture, orchards and berry plantations] Puti intensifikatsii sadovodstva, sady i lagodniki. Moskva, Znanie, 1967. 70 p. (Narodnyi universiteti Sel'skokhozyaistvennyi fakul'tet, 3)
- FRUIT—CHEMICAL COMPOSITION**
Chemical study of Archaegelia tschimganica (Korev) Schischik. G. K. Nikonor, R. P. Veremci, V. B. Pavlov. Trudy Bot. inst. Ser. 5 no. 12:54-57 '63.
- FRUIT—DISEASES AND PESTS** see subdivision under Trans-Ili Alatau
- FRUIT, CANNED**
Preservation of fruit pulp by sorbic acid during storage in reinforced concrete containers. E. I. Petropavlovskii, A. V. Ustinova. Izv. vuz. ucheb. zav. i inzh. mek. no. 2:93-95 '67.
- FRUIT CULTURE**
(see also subdivision under Irkutsk Province; Leningrad Province)
Florov, B. P. [Propagation of fruit plants without grafting and by grafting on vegetatively reproduced rootstock] Razmnozhenie plodovykh rastenii na sobstvennykh kormnikh i vegetativno razmnozhaemykh podvoitakh. Minsk, Urozhai, 1965. 208 p. (DNAL)
- FRUIT FLIES** see subdivision under Maritime Territory
- FRUIT JUICES**
Application of ionizing radiations for the increase of the juice yield from apples and berries in processing. B. L. Flaumenbaum, S. K. Sotnitsyna. Izv. vuz. ucheb. zav., i inzh. mek. no. 2:89-92 '67.
- FRUIT TREES—DISEASES AND PESTS** see subdivision under Siberia
- FRUNZE, MIKHAIL VASIL'EVICH, 1895-1925**
"Comrade Arsenii." K. Voevodina. Sov. radio i tel. 6 no. 1:19 '60.
- FUCOSIDE**
Mass spectrometric study of carbohydrates. Report No. 7. Mass spectra of 2, 3, 4, 6-O-methyl-β-methyl-D-fucose and its deuteriomethylated analogs. N. K. Koshchikov and others. Izv. AN SSSR, Ser. khim. no. 1:511-511 Mi '67.
- FUEL**
(see also subdivision under Uzbekistan)
Effect of some naphthalene aromatic hydrocarbons on the formation of a solid phase in hydrocarbon fuels. G. F. Bol'shakov, E. M. Bushueva, E. A. Glebovskina. Khim. i tekhn. topl. masel 12 no. 4:49-43 Ap '67.
Improving the supply of fuel to rural regions is an important condition for overcoming socioeconomic differences between cities and villages. V. L. Chubavii. Vysnyy i vuz. un. i inzh. mek. no. 2:11-11 '66.
How we conduct assemblies. I. Gordeev. Ty i snab. Sov. Voor. Sil 27 no. 4:12-35 Ap '67.
- FUEL—ANALYSIS**
Determination of acid functional groups in solid mineral fuels. I. V. Avghishkevich, N. M. Kuvayev. Dokl. AN SSSR 165 no. 6:1358-1361 D '65.
- FUEL—STORAGE**
Graphic calculation of fuel in storage tanks. R. I. Enzel'. Ty i snab. Sov. Voor. Sil 27 no. 4:94-95 Ap '67.
- FUEL BRIQUET PLANTS—QUALITY CONTROL**
Thermomechanical strength of coke briquets. A. A. Agroskin, I. E. Sviatets. Koks i khim. no. 3:20-32 '67.
- FULVENE**
Formation of fulvene in the oxidation of alkali metal cyclopentadienylidene. G. L. Bliman and others. Zhur. org. khim. 3 no. 3:493-498 Mr '67.
- FUNCTIONAL ANALYSIS**
A. N. Tikhonov's studies on methods of solving incorrectly formulated problems. V. A. Rizin. Usp. mat. nauk 22 no. 2:168-175 Mr-Apr '67.
A. N. Tikhonov's studies on topology and functional analysis. P. S. Aleksandrov, S. V. Fomin. Usp. mat. nauk 22 no. 2:134-138 Mr-Apr '67.
Accumulation of perturbations in linear systems. I. A. Kiselevskii. Teor. funk., i funk. anal. i ikh. prilozh. no. 3:99-103 '66.
- Direct methods for solving optimum control problems. A. N. Tikhonov, V. A. Gaikin, P. N. Zinikin. Zhur. vych. mat. i mat. fiz. 7 no. 2:416-423 Mr-Apr '67.
Extension of parabolic differential operators to the case of multidimensional time. S. G. Gindul'man. Dokl. AN SSSR 173 no. 3:109-102 Mi '67.
Minimization algorithms for strictly convex functionals. M. N. Akovir. Zhur. vych. mat. i mat. fiz. 7 no. 2:129-131 Mr-Apr '67.
Minimization of quasi-quadratic functionals in Hilbert space. I. M. Glazman, I. I. Genshchik. Teor. funk., i funk. anal. i ikh. prilozh. no. 3:26-41 '66.
Nonlinear equations with monotone among other operators. R. I. Kuchurovskii. Dokl. AN SSSR 173 no. 3:515-518 Mr '67.
On the equation $U(x) + P(x)U(x) = 0$ in function space. M. I. Pelt. Dokl. AN SSSR 172 no. 6:1282-1285 F '67.
The problem of G. S. Gogol's polynomials. V. A. Il'in. Teor. funk., i funk. anal. i ikh. prilozh. no. 3:21-72 '66.
Problems of best approximation by elements of convex sets, and some properties of supporting functionals. I. G. Gol'tshin. Dokl. AN SSSR 173 no. 5:995-998 Apr '67.
Shilov, G. E., and Fan Dyk Th. [Integral, measure, and derivative in linear spaces] Integral, measure i proizvodstva na lineynykh prostanstvakh. Moskva, Nauka, 1967. 192 p.
Short-wave approximation in the problem concerning diffusion on a plane screen. V. A. Mal'chenko, K. V. Maslov. Teor. funk., i funk. anal. i ikh. prilozh. no. 3:158-162 '66.
- FUNCTIONS**
Choice of an S-function in the method of contact transformations. M. A. Akhiev, V. I. Aleksandrov. Dokl. AN SSSR 173 no. 2:302-305 Mr '67.
Completeness of function shifts in some spaces. S. I. Gelsberg. Dokl. AN SSSR 173 no. 4:741-741 Ap '67.
On factors of transformation of 1 outer series of certain classes of functions. M. G. Skvortsova. Izv. zap. Kaz. - Balk. gos. un. no. 13:117-130 '61.
Ordering problems. V. V. Shkurba. Kibernetika no. 2:61-65 Mi-Apr '67.
Polyhedrally closed systems of linear inequalities over an arbitrarily ordered field. S. N. Chernikov. Dokl. AN SSSR 173 no. 2:218-221 Mi '67.
Possible formulations of the microcausality principle and some of its corollaries. R. M. Lomsadze, I. M. Kuvshin. Dokl. AN SSSR 173 no. 2:312-315 Mi '67.
The principle of the maximum. A. D. Aleksandrov. Dokl. AN SSSR 173 no. 2:247-250 Mi '67.
Radius of the α -spirality of α -spiral functions in the circle $|z| < 1$. V. A. Zmorovych. Dop. AN URSR no. 10:1262-1265 '65.
Solubility of the Cauchy problem and some boundary value problems for general parabolic systems in a class of increasing functions. S. D. Kanyshen, S. I. Pavlenchuk. Dop. AN URSR, Ser. A 29 no. 4:289-302 Ap '67.
Some functionally closed classes in functions of k -valued logic. V. I. Ryabinov, I. I. Shilov. Kibernetika no. 2:12-14 Mi-Apr '67.
Some particular methods of rectifying function graphs as used in physical chemistry of functions $y = f(x)$ and $y = f(x)$. R. A. Kokotov. Zhur. fiz. khim. 41 no. 4:930-933 Ap '67.
Some properties of the algebra of general recursive functions. I. A. Poljakov. Kibernetika no. 2:20-23 Mi-Apr '67.
Spectral sets of operators in Banach space and estimates of functions of finite-dimensional operators. V. I. Katenel'nikov, V. I. Matyayev. Teor. funk., i funk. anal. i ikh. prilozh. no. 3:3-10 '66.
Use of the spectral theory of steady-state random functions in designing transportation systems. A. V. Zhukov. Dokl. AN SSSR 171 no. 3:217-221 Mr '67.
- FUNCTIONS, ANALYTIC**
Analytic continuation of the resolvent of external problems for the Laplace operator onto the second sheet. V. M. Babich. Teor. funk., i funk. anal. i ikh. prilozh. no. 3:151-157 '66.
Estimation of mean moduli in the theory of special classes of analytic functions. R. I. Demakhovskii. Dop. AN URSR no. 10:1260-1270 '65.
Formulas of inversion of the fundamental integral representation of α -analytic functions of the variable $z = x + iy$ when k is equal to an odd integer. H. M. Polozhil. Dop. AN URSR, Ser. A 29 no. 4:335-339 Ap '67.
General integral representations of holomorphic functions. I. I. Barin. Dokl. AN SSSR 172 no. 6:1251-1253 F '67.
Theory of the analytic continuation of exponential series by lower triangular matrices. A. A. Melentsov. Mat. zap. Ural. mat. ob-va UGU 6 no. 2:71-79 '65.
Use of analytic functions in calculating the harmonic moments of the perturbing masses. I. E. Kozakova. Mat. zap. Ural. mat. ob-va UGU 6 no. 2:15-42 '65.
Using the method of p -analytical functions in solving axisymmetric contact problems for the half-space. G. F. Masluk. Prikl. mekh. 3 no. 3:100-106 Mr '67.

- GABBRO** see subdivision under Gissar Range
- GADOLINIUM BORIDES**
Thermionic emission of some gadolinium borides. R.M. Manelis, G.A. Merzon, L.P. Gishina. Izv. AN SSSR, Neorg.mat. 3 no.1:54-60 Ja '67
- GAGAEV, BORIS MIKHAILOVICH, 1907-**
Boris Mikhailovich Gagayev, on his 70th birthday. B.Laptev. Izv. vys.ucheb.zav., mat. no.4:127-129 bp '67
- GAKHAB REGION (AZERBAIJAN)—MINERAL WATERS**
Gakhab mineral wells and the effect of their waters and dry salts on motility of the intestines. R.K. Aliev and others. Uch.zap. AGU Sei, biol. nauk no.1:19-25 '61
- GALACTAN**
Glucogalactans from *Sporobolomyces roseus*. N.P. Efimov, G.A. Vitovskaya. Biokhimiia 32 no.2:337-340 Mr-Apr '67.
- GALACTOPYRANOSIDE**
Mass spectrometric study of carbohydrates. Report No. 6. Mass spectra of 2,3,4,6-tetra-O-methyl- β -methyl-D-galactopyranoside and its deuterium-labeled analogs. N.K. Kuchukov, O.S. Chizhov, B.M. Zolotarev. Izv. AN SSSR Sei khim. no.3:517-513 Mr '67.
- GALAXIES**
Comment on hydrogen density in galactic clusters. I.D. Karchentsev. Astrofizika 3 no.1:89-91 F '67
Determination of the photographic magnitudes of stars and galaxies in the selected areas of the sky of the Pulkovo plan of KSZ. L.S. Koioteva. Izv. GAO 24 no.3:110-114 '66.
Galactic nuclei. A.N. Deich. Izv. GAO 24 no.3:95-100 '66.
Galaxies with an ultraviolet continuum. B.E. Markarian. Astrofizika 3 no.1:55-68 F '67
Photometry of the galaxy NGC 3582. O. Mamadov. Biul. Inst. astrofiz. AN Tadzh SSR no.41/12:65-68 '66.
Photometry of the galaxy NGC 5031. O. Mamadov. Biul. Inst. astrofiz. AN Tadzh SSR no.19:22-25 '66.
Position of the gas-dust layer in galaxy M 31. T.N. Makarenko. Astrofizika 3 no.1:91-101 F '67
- GALENA**
Complete analysis of sphalerite and galenite using ion exchange and complexometry. G.V. Shcherbovich. Trudy VSEGEI 125:200-208 '66.
- GALENA—ELECTRIC PROPERTIES**
Semiconductive properties of hypogene and sedimentary-diagenetic galenites. I.I. Kniashvili, V.K. Kudulin. Dokl. AN URSSR, Ser. B 20 no.4:309-311 Ap '67
- GALLBLADDER**
Absorption of methionine from the gallbladder in vivo and in vitro. K.S. Zamyachkina, I.V. Kulekova. Biul. eksp. biol. i med. 63 no.1:20-30 Ap '67
Method of studying external secretion of the liver in dogs with intact gallbladder and hepato-intestinal circulation. M.I. Nestorukh, R.V. Nosodetskaya. Biul. eksp. biol. i med. 63 no.5:121-122 My '67
- GALLBLADDER—DISEASES**
Cholecystostomy in the treatment of cholecystitis. D.I. Pliovskii, I.N. Gudinskaya. Sov. med. 30 no.3:32-36 Mr '67.
Functional disorders of the liver, stomach, and pancreas in cholecystitis in children. A.F. Dubrovskaya, M.Z. Shchetkina. Sov. med. 27 no.8:44-47 Ag '63.
Use of retrosternal novocaine blocks in the treatment of reflex stenocardia in diseases of the gallbladder. L.N. Prizogin. Sov. med. 30 no.3:41 Mr '67.
- GALLBLADDER—SURGERY**
Bile secretion in sheep following chronic fistulization of gallbladder and duodenum. I.S. Ivanov. Trudy Oren. oid. Vses. fiziol. ob-va no.3:78-82 '64.
Cholecystostomy in the treatment of cholecystitis. D.I. Pliovskii, I.N. Gudinskaya. Sov. med. 30 no.3:32-36 Mr '67.
- GALLFLIES** see subdivision under Azerbaijan
- GALLIUM**
Chemical aspect of the reactions of ions of multivalent elements with organic reagents. Report No. 3: Reaction of gallium with orthodihydroxy compounds. V.A. Nazarenko, S.I.A. Vinkovetskaya. Zhur. anal. khim. 22 no.2:181-188 F '67
Measurement of the differential capacity of gallium at high concentrations of electrolyte. N.B. Gligolev. Elektrokhimiia 3 no.4:511-513 Ap '67.
- GALLIUM ALLOYS—OPTICAL PROPERTIES**
Structure and optical properties at CuGaS_2 - Ga_2S_3 alloys. E.K. Belova, V.M. Koshkin, L.S. Palatinik. Izv. AN SSSR, Neorg.mat. 3 no.4:817-823 Ap '67.
- GALLIUM ANTIMONIDE CRYSTALS**
Effect of natural acceptors on electron processes in gallium antimonides. I.A. E. Pokrovskii, K.I. Svitunova, A.S. Kaminskii. Fiz. i tekhn. poluprov. 1 no.1:34-39 Ja '67.
- GALLIUM ARSENIDE CRYSTALS**
Volume electroluminescence of GaAs single crystals. I.U. M. Budukov and others. Fiz. i tekhn. poluprov. 1 no.4:617-620 Ap '67.
- GALLIUM ARSENIDE CRYSTALS—ELECTRIC PROPERTIES**
Absorption of infrared radiation by free carriers in n-GaAs. O.V. Valukenko, M.P. Lisitsa. Fiz. i tekhn. poluprov. 9 no.4:979-982 Ap '67
Electric and photoelectric properties of epitaxial layers of gallium arsenide. Zh.I. Afarov and others. Fiz. i tekhn. poluprov. 1 no.2:283-285 F '67.
Negative magnetoresistance in n-gallium arsenide doped with copper. O.V. Mel'nikova and others. Fiz. i tekhn. poluprov. 9 no.3:933-931 Mr '67.
- GALLIUM ARSENIDE CRYSTALS—PHOTOELECTRIC PROPERTIES**
Behavior of GaAs in strong electric fields. K.D. Glinchuk, A.D. Denisova. Fiz. i tekhn. poluprov. 1 no.4:570-572 Ap '67.
Using a laser for measuring the lifetime of nonequilibrium carriers in gallium arsenide single crystals. A.V. Dudenkov, V.V. Nikitin. Fiz. i tekhn. poluprov. 9 no.3:951-953 Mr '67.
- GALLIUM ARSENIDE CRYSTALS—SPECTRA**
Coupled excitons in GaAs crystals doped with Cu. E.I. Goss, V.I. Safarov. Fiz. i tekhn. poluprov. 1 no.2:297-300 F '67.
Recombination radiation from GaAs due to excitation by fast electrons. D.S. Domanevskii, V.D. Tkachev. Fiz. i tekhn. poluprov. 1 no.3:377-382 Mr '67.
- GALLIUM ARSENIDES**
Growth of gallium arsenophosphide crystals from gas phase. A.V. Lishina, V.N. Maslov, B.A. Sakharov. Izv. AN SSSR, Neorg.mat. 3 no.4:600-612 Ap '67.
- GALLIUM ARSENIDES—OPTICAL PROPERTIES**
Micrononuniformities of impurity distribution in heavily doped gallium arsenide. G.I. Froshko, V.I. Shvetkin. Fiz. i tekhn. poluprov. 1 no.1:514-518 Ap '67.
- GALLIUM CHLORIDES**
Reaction of gallium chloride with niobium and molybdenum pentachlorides. P.I. Fedorov, I.P. Kingleeva. Zhur. neorg. khim. 12 no.3:818-819 Mr '67.
- GALLIUM COMPOUNDS—SPECTRA**
Infrared absorption spectra of citrate complexes of gallium and indium. G.V. Iavrova, V.A. Timmergalki. Zhur. neorg. khim. 12 no.4:922-926 Ap '67.
- GALLIUM PHOSPHIDES**
Growth of gallium arsenophosphide crystals from gas phase. A.V. Lishina, V.N. Maslov, B.A. Sakharov. Izv. AN SSSR, Neorg.mat. 3 no.4:600-612 Ap '67.
Studying the injection electroluminescence of p-n junctions in gallium phosphide. I.U. A. Ukin and others. Fiz. i tekhn. poluprov. 1 no.4:513-546 Ap '67.
- GALLIUM-THALLIUM ALLOYS—THERMODYNAMICS**
Thermodynamic properties of liquid solutions and phase diagram of the gallium-thallium system. V.N. Danilin, S.P. Iatsenko. Zhur. fiz. khim. 41 no.4:870-882 Ap '67.
- GALLIUM-VANADIUM ALLOYS** see Vanadium-gallium alloys
- GALVANOMETER**
Methods for analyzing the dynamic errors of an oscillographic galvanometer. I.U. M. El'vind. Trudy VNIIE no.25:101-120 '66.
Photogalvanometric amplifier for vibration and temperature transducers. L.A. Babov, I.U. Zhidanova, G.K. Legkii. Trudy VNIIE no.25:108-171 '66.
- GAME AND GAME BIRDS** see subdivision under
- GAME THEORY**
Indeterminate cognitive and predictive systems. Vakhonko and others. Avtomatika 12 Mr-Apr '67.
- GAMES**
Destiny plus imagination. N.M. Mishakhtudin. Ishkola 22 no.3:47 Mr '67.
In family leisure time. Sem'ia i shkola 2 Mr '67.
- GAMES OF STRATEGY (MATHEMATICS)**
A dynamic optimal follow-up problem. L.N. V. Murzov. Dokl. AN SSSR 173 no.6: F '67.
- GAMES WITH MUSIC**
Musical games. Doshk. vosp. 40 no.4:12
- GAMMA GLOBULIN**
Isolation of kallikrein in γ -globulin fraction serum proteins in rabbits. V.P. Zytkova, skhina. Dokl. AN SSSR 165 no.6:1439-14
- Heterogeneity of gamma globulin of blood serum patients. V.P. Korotkoruchko, O.H. I. I.M. Ishchenko. Dop. AN URSSR, Ser. B 25:358 Ap '67**
- Permeability of normal and virus infected cells for proteins of γ -globulin fractions of normal and immune sera. O.K. Kuznetsov and others. Biul. eksp. biol. i med. 63 no.5:63-66 Mr '67.
- GAMMA RAY SPECTROMETER**
Electric manipulator to control the stability of amplification of aerial gamma spectrometers. G.A. Pleshivtsev. Geofiz. app. no.31:188-191 '67.
- GAMMA RAYS**
Calculation of the distribution of absorbed doses of γ -radiation in superficial tissue layers. A.I. Lun'e. Med. rad. 12 no.4:67-71 Ap '67.
Correction to the article "Gamma-radiation method in calculating the efficiency of radiation apparatus with planar irradiators." F.A. Makhlis, A.Kh. Biogei. Atom. energ. 22 no.3:237-238 Mr '67.
Dependence of the value of γ -radiation anisotropy due to thermal neutron fission of ^{235}U on the ratio of fragment masses. G.V. Vnitskii, G.A. Petrov, I.U. S. Pleva. Izd. fiz. 5 no.1:734-736 Ap '67.
Effect of electron and γ -radiation on VK-2 and VK-4 variable capacitors. I.I. Kur'min and others. Fiz. i tekhn. poluprov. 9 no.3:910-920 Mr '67.
Effect of gamma-neutron radiation on some physical and chemical properties of glasses. G.V. Bluganovskaya, R.I. Kisin, N.F. Orlov. Opt.-mekh. prom. 34 no.3:34-10 Mr '67.
Effect of temperature on the kinetics of gamma-conductivity of cadmium sulfide. P.G. Litovchenko, I.D. Kononov, V.I. Ushtanov. Fiz. i tekhn. poluprov. 1 no.1:101-494 Ap '67.
Energy and numerical albedo of γ -radiation. B.P. Bulakov, N.F. Andruskin. Atom. energ. 22 no.4:107-108 Ap '67.
Experimental γ -ray unit EBU-50 of the N.I. Gamaei Institute of Immunology and Microbiology. M.A. Gumanina and others. Atom. energ. 22 no.4:324-325 Ap '67.
Gamma-radiation buildup factors for limited media. V.A. Klimanov, V.P. Mashkovich, I.U. N. Podsevalov. Atom. energ. 22 no.3:228 Mr '67.
- GAMMA RAYS—EFFECT ON PLANTS** see Plants, Effect of gamma rays on
- GAMMA RAYS—EFFECT ON SEEDS** see Seeds, Effect of gamma rays on
- GAMMA RAYS—INDUSTRIAL APPLICATIONS**
Application of ionizing radiations for the increase of the juice yield from apples and berries in processing. B.L. Flaumenbaum, S.K. Saltanova. Izv. vys.ucheb.zav.; fizich. tekhn. no.2:80-92 '67.
- GAMMA RAYS—PHYSIOLOGICAL EFFECT**
Content of vitamin B₆ in the blood in dogs in a late period following γ - and γ -neutron irradiation. G.N. Zganskina, N.K. Evseeva. Med. rad. 12 no.4:87-88 Ap '67.
Quantitative characterization of osteotropic processes in some systems of the organism following radiation lesion. V.G. Gortov, I.D. Bobrovnikov. Biul. eksp. biol. i med. 63 no.4:45-48 Ap '67.
State of the myocardium in rabbits following chronic gamma irradiation. I.I. Vorob'ev. Arkh. anat., gist. i embri. 52 no.4:19-25 Ap '67.
Study of gamma irradiated ribonuclease by gel filtration method. V.I. Maksimov, V.I. Osipov, E.D. Kaverzova, Biokhimiia 32 no.2:403-408 Mr-Apr '67.
- GAMMA RAYS—SCATTERING**
Backscattering of γ -radiation from aluminum of finite thickness. D.B. Puzhnev, S.A. Gokhshvili. Atom. energ. 22 no.3:237-238 Mr '67.
- Recording high-altitude by remote

GARDENING

Collective garden. P. Buz, G. Krievskiy. P. 1-20. 1967. 27 no. 130-37 Ap '67

GARMENT CUTTING

Determination of the correction coefficients for the analysis of the actual production of fabric. G. M. Shteynman. Sh. 10. 1967. 27 no. 130-37 Ap '67

GARNET

Through the surface exchange in garnet. B. F. Rubinshteyn. P. 1-10. 1967. 27 no. 130-37 Ap '67

GARNET-ANALYSIS

Complex analytical analysis of garnets. I. B. Morozov, V. S. Pletnikov. Trudy VSIIGI 125/195-199 1966.

GASPIKES

Review of gas spikes in the western part of Pacific and Indian Oceans. N. A. Pavin. Trudy Inst. okean. 81-83 1967

GAS

Vibration for measuring gas pressure. P. A. Kholodov. V. G. Trushchuk. V. A. Baitov. Bezop. truda v prom. 10 no. 10-41 O '66

GAS-SAFETY MEASURES

Safety measures in the use of gas. P. B. Zaitsev. Bezop. truda v prom. 11 no. 7-10 My '67

GAS-STORAGE

Heating of spherical vessels operated under pressure. V. A. Glukhikh. Bezop. truda v prom. 10 no. 10-31-33 O '66

GAS, NATURAL

(see also subdivision under Achak Gas Field, Birkov Gas Condensate Field, Carpathian Mountain region; Khayran-Kort Oil Field, Tyumen' Province)

Conversion of gas field administrations to a new management method. G. S. Titov, G. S. Kapellina. Gaz. prom. 12 no. 1-4-6 Ap '67

Influence of the method of natural gas supply on fuel zone processes. B. A. Boris and others. Metalurg. 12 no. 1-3-4 My '67

Significance of thermodynamic conditions in determination of gas content of formation petroleum. I. V. Kopylov, G. F. Tikhon, I. A. Filas. Nefteprom. 10 no. 4, 11-13 1967

Synthesis of higher alcohols from converted natural gas. I. Davydov, S. Lukov. Prom. him. 10 no. 2, 31-33 1967

GAS, NATURAL-ANALYSIS see subdivision under Karadag Gas Condensate Field, Novogrigoryev Oil Field

GAS, NATURAL-GEOLOGY

(see also subdivision under Achak Gas Field; Amstasiyovka-Troitskoye Oil Field; Aral Sea region; Astrakhan Province; Carpathian Mountain region; Caspian Lowland; Danube-Donets Lowland; Europe, Western; Kalmyk A. S. S. R.; Lvov region; Saratov Province; Soviet Central Asia; Tajik; Turkmenistan, Ukraine, Uzbekistan; West Siberian Plain)

Principles of geologic interpretation of results of comprehensive geochemical studies. V. A. Stroganov and others. Neftegaz. geol. i geofiz. no. 2, 31-38 1967

Using of gas solute as hydrochemical indicator of oil and gas occurrence in hydrochemical surveying. V. A. Khonov. Neftegaz. geol. i geofiz. no. 2 38-42 1967

GAS, NATURAL-PIPELINES

(see also subdivision under Bashkiria; Uzbekistan)

Effect of condensate on accuracy of gas volume measurements. O. G. Il'inskiy. Gaz. prom. 12 no. 4, 17-18 Ap '67

Nechayev, M. A., and others. [Handbook for gas pipeline workers] Spravochnik rabotnikov magistralnogo gazoprovoda. Leningrad, Nedra, 1966, 380 p.

Selecting drive for turbocompressors. A. N. Frolov. Gaz. prom. 12 no. 11-17 Ap '67

Use of indices of profitability and payment procedure for furnish the new system of gas pipeline administration. I. A. Furman and others. Gaz. prom. 12 no. 4 7-8 Ap '67

GAS, NATURAL-SEPARATION see subdivision under Shobolinka Gas Field

GAS, NATURAL-STORAGE

(see also subdivision under Gatchina, Leningrad Province)

Control of productive capacity of compressor stations of underground natural gas storage tanks abroad. P. F. Vodotank, A. F. Chernyshev. Neftegaz. prom. 10 no. 53-55 My-Ap '67

GAS AND OIL ENGINES see Internal combustion engines

GAS AS FUEL

Esterkin, B. I. [Transfer of industrial boilers to gas fuel] Peroved promyshlennykh kotlov na gazobraznyy toplivo. Podred. P. N. Kozlov. [Leningrad] Energiya, 1967. 205 p.

Heating greenhouses by natural gas. S. A. Shmel'tsenig. Gaz. prom. 13 no. 4 28-29 Ap '67

GAS AS FUEL-SAFETY MEASURES

Conference on safety measures in the use of gas in the distribution and utilization of gas. Z. N. Gol'dberg. Bezop. truda v prom. 11 no. 11-18-19 Ap '67

GAS BURNERS

Diffusion combustion of gas in open flame. B. S. Soroka. A. F. Pirov. Gaz. prom. 12 no. 13-15 Ap '67

Gusevskiy, V. L., A. E. Likhits, and V. M. Tymchak. [Gas-burner arrangements and systems of firing heating and heat-treating furnaces] Gazogorelochnyye ustroystva i sistemy otopleniya nagrevatel'nykh i teplicheskikh pechet. Podred. V. M. Tymchaka. Moskva, Metallurgiya, 1967. 261 p.

GAS CHROMATOGRAPHY

Continuous gas chromatography on fixed layers of a sorbent. F. P. Stornik and others. Khim. prom. 43 no. 125-30 Ap '67

Determination of a carbonyl group by means of pyrolysis and gas chromatography. V. M. Nevska and others. Izv. AN Kazakh. SSR Ser. Khim. 17 no. 2 27-32 My-Ap '67

Determination of the composition of the 2-Ta8 manganese antineutrino by gas chromatography. G. N. Turbul'tanov, B. M. Lushina, S. V. Slavyanov. Khim. i tekh. topliv. masel. 12 no. 1 58-60 Ap '67

Gas-chromatographic analysis of crude alcohol produced from various raw materials. N. G. Polozhentseva and others. Form. i splat. prom. 33 no. 3 15-17 1967

Homologous dependence of retention indices of primary n-alkylamines in gas chromatography. V. V. Golovina, G. I. Mitrova, I. I. Zhurav. Izv. AN SSSR Ser. Khim. 17 no. 4 92-95 My '67

Investigating flame-temperature detector for gas chromatography. L. A. Ibragimov, G. F. Garzani, L. V. Ilna. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 2 101-106 1967

Reaction of addition of amines to vinylacetene carbonyls. L. A. Ibragimov, G. F. Garzani, L. V. Ilna. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 2 101-106 1967

Separation of α -aminoalkanoic acids by means of gas-liquid chromatography. I. P. Urova. Zhur. anal. khim. 22 no. 2 304-305 F '67

Study of the adsorptive properties of ethyl-, phenyl-, and polyethylene hydrides by means of gas chromatography. I. B. Shumakov, A. N. Korol'. Ucheb. zhur. 13 no. 1 373-376 1967

Study of the composition of semifinished and finished products of the machine industry by gas-liquid chromatography, composition of raw materials of some specialized plants. S. A. Padoeva, I. A. Tikhon, Sh. I. Ibragimov. Izv. AN SSSR Ser. Khim. 17 no. 2 126-128 1967

Use of moving solvent for the concentration of heavy impurities. V. R. Mikhov, V. G. Belykh, V. P. Pukhov. Izv. AN SSSR Ser. Khim. 17 no. 2 126-128 1967

GAS CONDENSATE FIELDS see subdivision under Azerbaijan

GAS CONDENSATE WELLS

Investigating process of condensate recovery from well. Z. I. Gusein-Zade, Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 2 56-58 1967

GAS DISTRIBUTION

(see also subdivision under Virgin Territory)

Mlodok, B. I. [Design, assembly, and operation of gas regulating stations] Ustroystvo, montazh i ekspluatatsiya gazoregulyatornykh punktov. Izd. 2, perer. i dop. Leningrad, Nedra, 1967. 181 p. (Biblioteka mastera gazovogo khozaystva)

GAS DYNAMICS

Behavior of the friction coefficient in case of a compressed gas flow in pipes at very high negative pressure gradients. M. M. Nazarchuk, V. N. Panchenko. PMTF no. 6 83-88 N-D '66

Concerning I. G. Kozlovskiy's article "Elements of the gas dynamics of a pneumatic drive following the switching-in of high-voltage switches". P. A. Korzun. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 3 121-123 My '67

Equations for short waves in a viscous heat-conducting gas. G. M. Sheffer. Dokl. AN SSSR 173 no. 4 785-788 Ap '67

Investigating gas-dynamic stability of the detonation wave in a gas mixture. S. K. Astanov. Prikl. mekh. 3 no. 3 107-115 My '67

Investigating gas flow along a rough surface. M. V. Khanan. PMTF no. 6 88-93 N-D '66

Mechanism of coal degasification in the face area of a seam. O. N. Shekhtman and others. Dop. AN URSR no. 10 1332-1335 1965

Pulsating blow as method of regulating blast furnace operations. V. A. Sorokin and others. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 3 333-336 1967

Steady-state spherical solution of relativistic gas dynamics equations allowing for light emission and absorption, nuclear reactions, and gravitation. N. Arkaban. Ucheb. zap. Kaz. gos. univ. no. 13/14 1961

GAS FLOW

Gas flows with a local supersonic zone ending in a shock wave. Ch. Dzhanbekov. Ucheb. zap. Kaz. gos. univ. no. 13 150-155 1961

Modeling the escape of gaseous jets by means of planar flow. B. G. Pionov, M. A. Mikhlin, B. K. Polukhin. Ucheb. zap. Kaz. gos. univ. no. 17 no. 5 987-989 My '67

Unsteady one-dimensional gas motion making allowance for emission and absorption in the spectral theory of relativity. N. A. Mikhlin. Ucheb. zap. Kaz. gos. univ. no. 13 172-177 1961

GAS INDUSTRY

(see also subdivision under Kazakhstan)

Fiftieth Anniversary of the Great October Revolution. Gaz. prom. 12 no. 11-3 Ap '67

In the Ministry of Gas Industry. A. I. Bolotin. Gaz. prom. 12 no. 1 51-52 Ap '67

More oil and gas to our country. V. I. Baitov, V. A. Khodz. 43 no. 10 2-3 O '65

GAS PIPES-MAINTENANCE AND REPAIR

Litvinenko, P. A. [Filter attending gas equipment of industrial enterprises] Slesar' po obsluzhivaniyu gazovogo oborudovaniya promyshlennykh predpriyatiy. Moskva, Nedra, 1966. 230 p.

GAS PIPES-SAFETY MEASURES

Conference on safety measures in the transportation, distribution and utilization of gas. Z. N. Gol'dberg. Bezop. truda v prom. 11 no. 4 56-58 Ap '67

GAS TURBINES

Development of the world capitalist market of gas turbines. A. P. Salikov. HIKI [Pis'ma] no. 3 2-3 1967

Energy losses in gas-turbine units connected with tapping for cooling. V. I. Kozlov, G. M. Khodov. R. G. Khimichesk. i vyz. ucheb. zav. i inst. gaz. 10 no. 1 70-77 1967

Novikov, M. D. [Calculation of optimal parameters of heat exchangers of gas turbine systems] Raschet optimal'nykh parametrov teploobmennyykh apparatov gazoturbinykh ustanovok. [Leningrad] Energiya, 1967. 141 p.

Piven', V. D., D. B. Balasanyov, and G. D. Medvedev. [Automation of gas-turbine units] Avtomatizatsiya gazoturbinykh ustanovok. Leningrad, Mashinostroyeniye, 1967. 255 p.

Selecting the efficiency and the rates of pressure in the compression of gas-turbine units with a complex cycle. V. S. Ilyukov, A. P. Chernobrovkin. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 1 12-16 1967

GAS TURBINES-COOLING

Cooling of gas turbine combustion chamber elements. V. A. Khrushch, A. M. Shovchenko. Energiya. 1967. 255 p.

GAS TURBINES-COMBUSTION

Gas-dynamic analysis of a diffusion combustion flame in a turbulent flow. V. B. Rutovskiy. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 1 70-86 1967

GAS WELDING AND CUTTING-COLD WEATHER CONDITIONS

Equipment for heating cylinders with propane-butane mixture during operations in winter. I. I. Shustrov and others. Svar. proizv. no. 4 10-11 Ap '67

GAS WELDING AND CUTTING-EQUIPMENT AND SUPPLIES

Measuring the gas consumption during welding with the aid of portable rotameters. S. N. Borozhinskii, V. I. Pankov, V. A. Sagan'. Svar. proizv. no. 4 41 Ap '67

Using natural gas for removal of defects on GIG steel castings before welding. P. P. Paraskuk. Svar. proizv. no. 4 12-13 Ap '67

Using natural gas for welding carbon steels. P. V. Kobalov. Svar. proizv. no. 4 33-34 Ap '67

GAS WELL CEMENTING see subdivision under Russia

GASEOUS PLASMA see Plasma (ionized gases)

GASES

Meson capture in gas mixtures. I. U. G. Rudashov and others. Izv. 5 no. 1 830-832 Ap '67

GASES-ABSORPTION AND ADSORPTION

Adsorption of hydrogen and oxygen on dispersed platinum. M. R. Tarasovich, K. A. Radushkina, R. Kh. Burshtein. Elektrokhiimiya 3 no. 4 455-459 Ap '67

Calculating the process of absorption of gases by solid sorbents. S. P. Chernova, V. I. Ksenzenko. Khim. pr. 43 no. 3 18-21 My '67

Conditions for obtaining maximum reliability in optical absorption analysis. A. O. Sall'. Zhur. prikl. spekt. 6 no. 4 530-533 Ap '67

Volume changes in gas-filled pores of sample degassing on pressure taking into account mass transfer processes. I. U. G. Mamedov and others. Izv. vyz. ucheb. zav. i inst. gaz. 10 no. 2 53-55 1967

GASES-ANALYSIS

Pyrite oxidation during fuel spray combustion in a uniflow burner. V. G. Shchurovskiy, I. I. Penzhonov, A. L. Tseit. Trudy Inst. met. i obog. AN Kazakh. SSR 19 76-77 1966

Soaking liquid for gas analyzers. I. D. Tsinman. Bezop. truda v prom. 10 no. 10 55 O '66

1457

- GEORGIA—FISH CULTURE**
Development of brood stock of herbivorous fishes, I. O. Beridze, Trudy Nauch.-issl. rybnokhoz. sta. Gruz. 10: 95-106 '65.
- GEORGIA—FRESH WATER—ANALYSIS**
Manganese in fresh waters of Georgia, I. A. Moseashvili, D. Khavtasi, G. Talakvadze, Trudy Tbil. GU 74:15-20 '59.
- GEORGIA—GEOLOGICAL TIME**
Age of Sanchu intrusion, G. D. Dumbadze, Soob. AN Gruz. SSR 15 no. 2:135-138 '67.
- GEORGIA—GRAIN—ANALYSIS AND CHEMISTRY**
Study of manganese in grain crops of Georgia, I. A. Moseashvili, G. Talakvadze, D. Khavtasi, Trudy Tbil. GU 74:29-38 '59.
- GEORGIA—HISTORY**
History of economic and cultural relations between Georgia and Adjara Autonomous Province, M. V. Tsimtsadze, Soob. AN Gruz. SSR 45 no. 2:553-558 '67.
- GEORGIA—LEAF ROLLERS**
Natural enemies of *L. aspyresia pomonella* L. (Lepidoptera, Tortricidae) and the influence of chemical treatment on their beneficial activity, N. K. Gapindashvili, T. N. Novitskaya, Ent. obozr. 46 no. 1:70-74 '67.
- GEORGIA—MINERAL WATERS**
Physicochemical study of mineral waters of the Kazbek Mount region of the Georgian S. S. R., K. A. Gamsakhuri-dia and others, Trudy Tbil. GU 71:301-312 '59.
- GEORGIA—MINERAL WATERS—ANALYSIS**
Manganese in mineral waters of Georgia, I. A. Moseashvili, D. Khavtasi, G. Talakvadze, Trudy Tbil. GU 74:21-28 '59.
- GEORGIA—MINERAL WATERS, SULFUROUS**
Fluorine in sulfurous waters of Georgia, I. A. Moseashvili, M. Ugulava, Trudy Tbil. GU 71:7-11 '59.
- GEORGIA—MINERALS IN PLANTS**
Nickel in soils and plants adjacent to the talcum deposits of the Chorchana group, E. Doksopulo, Trudy Tbil. GU 74:49-56 '59.
- GEORGIA—ORES**
Electroanalytical study of polymetallic ores of the Georgian S. S. R. for bismuth content, G. Sagandze, Trudy Tbil. GU 74:313-320 '59.
- GEORGIA—PETROLEUM—ANALYSIS**
Physicochemical study of petroleum and its products, Sh. Sharaashvili, Trudy Tbil. GU 71:211-212 '59.
- GEORGIA—POTATOES—VARIETIES**
Effect of planting time for potatoes of "Majestic" and "Lorkh" brands on the quantitative composition of tubers, M. Tsimtsadze, T. Kiparenko, G. Tsimtsadze, Trudy Tbil. GU 74:113-120 '59.
- GEORGIA—RADIO AUDIENCES**
Together with radio audiences, A. Nizharadze, Sov. radio i tel. 9 no. 5:30 '60.
- GEORGIA—RADIO IN AGRICULTURE**
Together with radio audiences, A. Nizharadze, Sov. radio i tel. 9 no. 5:50 '60.
- GEORGIA—RARE EARTH METALS**
Factors of differentiation of rare earth elements in Zekai gabbro-diorite intrusion and enclosing andesite-basalt formation, M. A. Kokeitishvili, I. A. Balashov, Soob. AN Gruz. SSR 45 no. 2:427-433 '67.
- GEORGIA—ROCKS—ANALYSIS**
Nickel in rocks adjacent to the talcum deposits of the Chorchana group, E. Doksopulo, Trudy Tbil. GU 74:39-47 '59.
- GEORGIA—SHOOTING, MILITARY**
Affairs and members of the club V. Ilmshin, Voen. znaniya, 43 no. 3:40-41 '67.
- GEORGIA—SOCIAL LIFE AND CUSTOMS**
Rational foundations of some customs of Georgian farmers, N. A. Bregadze, Sov. etn. no. 2:140-141 '67.
- GEORGIA—SOIL MICRO-ORGANISMS**
Effect of herbicides on the development of soil microflora in Red soils of western Georgia, V. D. Gogvadze, Subtrop. kul't., no. 4:156-160 '65.
- GEORGIA—SOILS—ANALYSIS**
Agrochemical laboratories in subtropics, A. T. Beridze, Subtrop. kul't., no. 4:138-145 '65.
- GEORGIA—SOILS—COPPER CONTENT**
Copper in soils and rocks of Adzharhailan, M. Ugulava, I. Sabin-Guss, Trudy Tbil. GU 71:57-67 '59.
- GEORGIA—SOILS—NICKEL CONTENT**
Nickel in soils and plants adjacent to the talcum deposits of the Chorchana group, E. Doksopulo, Trudy Tbil. GU 74:49-56 '59.
- GEORGIA—TEA**
Results of testing butyl ester and sodium salt of 2,4-D against undesirable shrubs, A. S. Triapalidze, Subtrop. kul't., no. 4:161-161 '66.
- GEORGIA—THEATER**
New features of familiar faces, Teatr 28 no. 4:20-26 '67.
- GEORGIA—VETERINARY MEDICINE**
Kapanadze, K. S. [Development of veterinary medicine in Georgia during the years of the Soviet regime] Razvitiye veterinarii v Gruzii za gody sovetiskoi vlasti, Tbilisi, Ganatleba, 1965, 415 p. (DNL)
- GERANIC ACID**
Adamantane and its derivatives, Part 12. Synthesis of analogs of geraniol (nerol) and geranic acid, I. N. Stepanov, R. A. Mysina, Zhur. org. khim. 3 no. 3:540-532 '67.
- GERANIOL**
Adamantane and its derivatives, Part 12. Synthesis of analogs of geraniol (nerol) and geranic acid, I. N. Stepanov, R. A. Mysina, Zhur. org. khim. 3 no. 3:540-532 '67.
- GERBILS**
(see also subdivision under Caspian Sea region)
Materials on burrow construction by *Rhombomys opimus* Licht. based on its complete excavation, I. U. Dubrovskii and others, Mat. k. pozn. fauny i flory SSSR, Otd. zool., no. 41:175-187 '67.
- GERMAN DEMOCRATIC REPUBLIC** see Germany, East
- GERMAN FEDERAL REPUBLIC** see Germany, West
- GERMAN LANGUAGE—DICTIONARIES—LATVIAN**
[German-Latvian dictionary, 7,000 words] Vaku-latvian vārdnīca, 2. izdevums. 7000 vārdu. Rīga, Liesma, 1950, 514 p.
- GERMAN LANGUAGE—DICTIONARIES—RUSSIAN**
[German-Russian metallurgical dictionary. Approximately 40,000 terms] Nemecko-russkii metallurgicheskii slovar', Okolo 40000 terminov. Moskva, Sov. Entsiklopediia, 1967, 760 p.
- GERMAN LANGUAGE—STUDY AND TEACHING**
Work methodology in speech situations, I. A. Gintatullin, Voch. shkol. shkola 10 no. 2:73-77 '67.
- GERMANATES**
Preparation and properties of yttrium and neodymium germanates, V. B. Glushkova, I. A. Davtian, E. K. Keler, Izv. AN SSSR, Neorg. mat. 3 no. 1:119-125 '67.
- GERMANE**
Quantitative mass spectrometric analysis of monosilane and monogermene, N. V. Lashin, G. G. Davlatykh, I. L. Agafonov, Zhur. anal. khim., 22 no. 2:265-268 '67.
- GERMANE—SPECTRA**
Nuclear quadrupole resonance of Cl^{35} in organochloro-germanes, I. P. Birlukov and others, Dokl. AN SSSR 173 no. 2:381-384 '67.
- GERMANIUM**
Anisotropy of electron scattering processes in germanium, V. V. Efimov, A. F. Kravchenko, Fiz. i tekhn. poluprov. 1 no. 2:302-304 '67.
- Electrochemical behavior of germanium on a mercury electrode, V. P. Gladyshev, G. A. Tembe, Trudy Inst. khim. nauk AN Kazakh. SSR 15:81-88 '67.
- Mechanism of formation of germanium containing germanium, N. I. Razenkova, Dokl. AN SSSR 173 no. 4:926-928 '67.
- Preparation of pure surface of germanium, silicon, and quartz, Part 1: Description of copper, silver, indium, and antimony by water and acids, V. S. Seleznev, A. S. Belanovskii, Radiokhimiia 9 no. 2:240-246 '67.
- Preparation of pure surfaces of germanium, silicon, and quartz, Part 2: Description of copper, silver, indium, antimony, and gold by organic reagents, V. S. Seleznev, A. S. Belanovskii, Radiokhimiia 9 no. 2:246-250 '67.
- Spiral pickling pits on germanium, I. U. P. Khukhrinskii, M. I. Shchevchikov, B. N. Popovich, Fiz. i tekhn. poluprov. 1 no. 1:1042-1046 '67.
- Studying the autoelectronic emission of germanium, V. G. Ivanov, G. N. Fursai, I. L. Sokol'skain, Fiz. i tekhn. poluprov. 1 no. 4:1144-1148 '67.
- GERMANIUM—ANALYSIS**
Some characteristics of germanium distribution in limestone and marble, S. M. Sedenko, Dop. AN URSR, Ser. B 20 no. 5:439-442 '67.
- GERMANIUM—ELECTRIC PROPERTIES**
Layer of degenerated n-germanium in heterojunctions, A. A. Kukhar'skii, V. K. Subashov, M. B. Ushkova, Fiz. i tekhn. poluprov. 1 no. 2:203-205 '67.
- Some properties of electric domains in n-germanium doped with copper, S. G. Kalashnikov, M. S. Kagan, V. A. Vdovenkov, Fiz. i tekhn. poluprov. 1 no. 1:116-122 '67.
- GERMANIUM CHLORIDES**
Sorption method of purifying germanium tetrachloride, I. G. Bykova and others, Khim. prom. 43 no. 2:37-38 '67.
- GERMANIUM CHLORIDES—DENSITY**
Orthobaric density, viscosity, and surface tension of germanium tetrachloride, L. A. Nisels'son, T. D. Sokolova, P. P. Pugaevich, Zhur. neorg. khim. 12 no. 3, 589-591 '67.
- GERMANIUM COMPOUNDS**
Microhardness of germanides of some transition metals, V. N. Bondarev, V. P. Perminov, V. A. Podergin, Izv. AN SSSR, Neorg. mat. 3 no. 4:707-708 '67.
- Synthesis and properties of tri-(n-ethylgermyl) thallium, O. J. Kuzmina and others, Dokl. AN SSSR 173 no. 4, 534-536 '67.
- GERMANIUM CRYSTALS**
Magneto-optical oscillations of the absorption in germanium crystals free of mechanical stresses, A. V. Varfolomeev, B. P. Zakharchenia, R. P. Seislan, Fiz. i tekhn. poluprov. 1 no. 1:1085-1088 '67.
- Microcalculation of the dielectric constant in germanium crystals, T. I. Kucher, K. B. Tolpygo, Fiz. i tekhn. poluprov. 1 no. 1:77-81 '67.
- Studying the field and concentration dependencies of Hall coefficient in n-germanium single crystals in intermediate and strong magnetic fields, P. I. Baranskii, I. V. Dakhovskii, P. M. Kurilo, Fiz. i tekhn. poluprov. 1 no. 2:178-182 '67.
- Temperature dependence of the width of the forbidden band in heavily doped n-germanium, A. A. Rogachev, Fiz. i tekhn. poluprov. 1 no. 2:236-238 '67.
- GERMANIUM CRYSTALS—DEFECTS**
Anisotropy of electron scattering on dislocations in germanium, V. V. Efimov, A. P. Kravchenko, V. V. Khainovskaya, Fiz. i tekhn. poluprov. 1 no. 2:306-307 '67.
- Effect of uniaxial compression on the radiative recombination of heavily doped germanium, A. A. Kastal'skii, Fiz. i tekhn. poluprov. 1 no. 1:97-101 '67.
- Gunn effect in uniaxially compressed germanium, A. A. Kastal'skii, S. M. Rytvin, Fiz. i tekhn. poluprov. 1 no. 4:622-625 '67.
- Plastic deformation of germanium in an electric field, T. A. Kontseva, Fiz. i tekhn. poluprov. 1 no. 1:1235-1241 '67.
- GERMANIUM CRYSTALS—ELECTRIC PROPERTIES**
Recombination of hot electron carriers on a real surface of n-germanium, S. Kalvenas, L. Kilmka, J. Pozela, Fiz. i tekhn. poluprov. 9 no. 3:936-938 '67.
- GERMANIUM CRYSTALS—OPTICAL PROPERTIES**
Effect of the wave number of holes in a strong electric field on the optical transparency of germanium, M. A. Vasil'eva, L. E. Vorob'ev, V. I. Stafeev, Fiz. i tekhn. poluprov. 1 no. 3:313-319 '67.
- Modulation of light by hot holes in germanium, M. A. Vasil'eva and others, Fiz. i tekhn. poluprov. 1 no. 3:430-440 '67.
- GERMANIUM CRYSTALS—PHOTOELECTRIC PROPERTIES**
Measuring the Hall photoelectromotive force on thin samples of germanium, A. V. Ryzhanov, K. K. Svitashov, V. G. Pan'kin, Fiz. i tekhn. poluprov. 1 no. 4:525-534 '67.
- GERMANIUM CRYSTALS—SPECTRA**
Determining the valence band structure in germanium by the absorption of light, M. A. Vasil'eva, L. E. Vorob'ev, V. I. Stafeev, Fiz. i tekhn. poluprov. 1 no. 1:29-33 '67.
- Modulation effect of the absorption coefficient of heavily doped germanium by an electric field, A. A. Rogachev, S. M. Rytvin, Fiz. i tekhn. poluprov. 1 no. 4:591-594 '67.
- Recombination radiation of heavily doped germanium, A. P. Shotov, M. S. Murashov, Fiz. i tekhn. poluprov. 1 no. 4:573-588 '67.
- GERMANIUM CRYSTALS—THERMOELECTRIC PROPERTIES**
Heating of current carriers in thin samples of germanium, S. Kalvenas, J. Pozela, Fiz. i tekhn. poluprov. 9 no. 1:1270-1273 '67.
- GERMANIUM CRYSTALS, EFFECT OF RADIATION ON**
Radiative recombination in germanium irradiated by fast electrons at $T = 77^\circ\text{K}$, A. B. Gerasimov, B. M. Kononov, G. L. Eristavi, Fiz. i tekhn. poluprov. 1 no. 2:307-308 '67.
- GERMANIUM ELECTRODES** see Electrodes, Germanium
- GERMANIUM-GOLD ALLOYS**
Negative resistance in p-germanium doped with gold in strong electric fields, L. Z. Karimova, V. P. Sondaevskii, V. I. Stafeev, Fiz. i tekhn. poluprov. 1 no. 4:587-590 '67.
- GERMANIUM-MERCURY ALLOYS—PHOTOELECTRIC PROPERTIES**
Photoelectric properties of mercury-doped germanium, R. M. Aronovich, A. I. Matitskii, T. B. Karashev, Fiz. i tekhn. poluprov. 1 no. 4:601-603 '67.

GEOLOGY see subdivision under Aidan Valley; Altai Mountains, Asia Minor; Atlantic Ocean, Azov Sea region; Black Sea region; Crimea; Fennoscandia; Karalia; Kazakhstan, Kola Peninsula, Norwegian Sea, Pechora Valley, St. Petersburg region; Volga Delta region, White Sea region

GEOLOGY—ABSTRACTS
[Geology] Ref. zhur. Geol. no. 5 My '67.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—CONGRESSES
Third Scientific Conference on Geology of Lake Baikal region. Geol. i geofiz. no. 12-13-15 '66.

GEOLOGY—MAPS
Methodology of composition of lithofacies maps. IU, V. Stenetskiy. Uch. zap. Kaz. un. 124 no. 10-16 '65.

Multiscale pantographing in geology. G.D. Udot. Nefti-gaz geol. i geofiz. no. 2 42-45 '67.

GEOLOGY, STRATIGRAPHIC
(see also subdivision under Al'ma Valley; Apsheron Peninsula region, Azerbaijan, Carpathian Mountain region, Caucasus, Caucasus, Northern, Chelyabinsk Basin, Crimea; Dnieper Valley; Dzhetyrkentchmaz Valley, Kazan region; Khabarovsk Territory, Kyzyl Kum, Mezhevskiy District, Moldavia; Novitskiy region, Krasnoyarsk Territory; Pechora Valley, Romashkino Oil Field; Saratov Province, Sayan Mountains; Shkapovo Oil Field; Spitsbergen; Svetitskiy Tashkent region; Tatar A. S. S. R., Terter Valley, Tien Shan; Timan Range, Transbaikalia; Transcarpathia, Udmurt A. S. S. R., Ukraine; Urat Mountains; Uzbekistan; Volyn' Province; West Siberian Plain, Yamalo-Nenetskiy Lowland, Yenisey Range, Zaganetskiy Range)

Characteristics of lowermost strata of Tuleikan series. IU, V. Stankevich. Nauch. trudy TashGU no. 273-113-120 '66.

Moskvilov, A. I. [Pleistocene stratigraphy of the European part of the U.S.S.R.] Stratigrafia pleistotsena Evropeiskoi chasti SSSR. Moskva, Nauka, 1967. 235 p. (Akademika nauk SSSR. Geologicheskii institut. Trudy, no. 156)

Use of electromagnetic sounding in studying the internal structure of the crystalline basement. A. N. Tykhonov and others. Dokl. AN SSSR 173 no. 5:1010-1013 Ap '67.

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHICAL RESEARCH see subdivision under Central, East, Siberia, Western

GEOGRAPHICAL SOCIETIES
International Association of Geographical Societies of the U.S.S.R. V. P. Buzik, A. A. Kuller. Dokl. po med. 173 no. 4:23-30 Ap '67.

GEOGRAPHY see subdivision under Moscow Province, Siberia, Transcarpathia

GEOGRAPHY—ABSTRACTS
[Geography] Ref. zhur. Geog. no. 5 My '67. Astorskiy. Kizitai. za 1966 g.

GEOGRAPHY—CONGRESSES see subdivision under Pacific Area

GEOGRAPHY—STUDY AND TEACHING
(see also subdivision under Ukraine)

Improving exercises in geography. F. N. Shvachkov. Vopr. geogr. 10 no. 2:60-63 Mr-Apr '67.

First summer school of mathematics and geography. IU, G. Ljuts, T. L. Petrikova. Izv. AN SSSR, Ser. geog. no. 2:154-155 Mr-Apr '67.

Rational principle in the teaching of geography. M. P. Cherkashin. R. i. s. k. 45 no. 4:89-94 Ap '67.

Practical rivers and lakes. A. Titov. Vech. ared. shkola 10 no. 3:58-59 Mr-Apr '67.

GEOGRAPHY—YEARBOOKS see subdivision under Estonia

GEOGRAPHY, ECONOMIC
(see also subdivision 'Economic geography' under India)

Shvalov, E. L., A. M. Moshkin, and V. M. Zhuravlev. [Economic geography of the U.S.S.R., a textbook for students of secondary schools]. Ekonomicheskaya geografija SSSR, ushebnoe posobie dlia uchashchikhsia srednei shkoly. Moskva, Prosveshchenie, 1965. 335 p. illus., diagrs., maps. (COTU)

GEOLOGICAL MODELING
Experiments in modeling arched uplifts of Baikal type. I. V. Luchitskiy. F. M. Bondarenko. Geotektonika no. 2-3 20 Mr-Apr '67.

GEOLOGICAL RESEARCH see subdivision under Moscow

GEOLOGICAL TIME
(see also subdivision under Altai Mountains; Dnieper Valley, Georgia; Kama Valley; Selenga Valley; Soviet Central Asia, Ural Mountains, Vyatka Valley)

Geochronological scale for continental Pleistocene based on radiometric data. V. A. Zubakov. Geokhimiya no. 2 144-154 F '67.

Geological time scale of the U.S.S.R., results of the 9th session of the Commission on the Determination of the Absolute Age of Geological Formations. M. P. Somonenko. Geol. zhur. no. 6:17-22 '60.

Orogenic phases and periodicity in fold formation in the light data of absolute geochronology. M. M. Rubinshtein. Geotektonika no. 2 21-30 Mr-Apr '67.

GEOLOGY see subdivision under Aidan Valley; Altai Mountains, Asia Minor; Atlantic Ocean, Azov Sea region; Black Sea region; Crimea; Fennoscandia; Karalia; Kazakhstan, Kola Peninsula, Norwegian Sea, Pechora Valley, St. Petersburg region; Volga Delta region, White Sea region

GEOLOGY—ABSTRACTS
[Geology] Ref. zhur. Geol. no. 5 My '67.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—CONGRESSES
Third Scientific Conference on Geology of Lake Baikal region. Geol. i geofiz. no. 12-13-15 '66.

GEOLOGY—MAPS
Methodology of composition of lithofacies maps. IU, V. Stenetskiy. Uch. zap. Kaz. un. 124 no. 10-16 '65.

Multiscale pantographing in geology. G.D. Udot. Nefti-gaz geol. i geofiz. no. 2 42-45 '67.

GEOLOGY, STRATIGRAPHIC
(see also subdivision under Al'ma Valley; Apsheron Peninsula region, Azerbaijan, Carpathian Mountain region, Caucasus, Caucasus, Northern, Chelyabinsk Basin, Crimea; Dnieper Valley; Dzhetyrkentchmaz Valley, Kazan region; Khabarovsk Territory, Kyzyl Kum, Mezhevskiy District, Moldavia; Novitskiy region, Krasnoyarsk Territory; Pechora Valley, Romashkino Oil Field; Saratov Province, Sayan Mountains; Shkapovo Oil Field; Spitsbergen; Svetitskiy Tashkent region; Tatar A. S. S. R., Terter Valley, Tien Shan; Timan Range, Transbaikalia; Transcarpathia, Udmurt A. S. S. R., Ukraine; Urat Mountains; Uzbekistan; Volyn' Province; West Siberian Plain, Yamalo-Nenetskiy Lowland, Yenisey Range, Zaganetskiy Range)

Characteristics of lowermost strata of Tuleikan series. IU, V. Stankevich. Nauch. trudy TashGU no. 273-113-120 '66.

Moskvilov, A. I. [Pleistocene stratigraphy of the European part of the U.S.S.R.] Stratigrafia pleistotsena Evropeiskoi chasti SSSR. Moskva, Nauka, 1967. 235 p. (Akademika nauk SSSR. Geologicheskii institut. Trudy, no. 156)

Use of electromagnetic sounding in studying the internal structure of the crystalline basement. A. N. Tykhonov and others. Dokl. AN SSSR 173 no. 5:1010-1013 Ap '67.

GEOLOGY, STRUCTURAL
(see also subdivision under Baikal Lake region; Bashkiria; Carpathian Mountain region; Caspian Lowland, Dnieper Valley; Dzungaria; East European Plain, Erzgebirge Range; Gissyr Range; Irkutsk Province; Kamchatka; Karatau; Kazakhstan; Kizel Basin; Kura Lowland; Kurile Islands; Maritime Territory; Saratov Province; Siberia; Transbaikalia; White Russia)

Causes of tectonic movements and the mechanism of the formation of basic structural elements of the earth's crust. Part 2. S. I. Subbotin. Geol. zhur. no. 6:13-16 '60.

Evaluation of the degree of deformation of fold strata. E. I. Patalakha. Trudy Inst. geol. nauk, AN Kazakh SSR 10 48-110 '67.

Experiments in modeling arched uplifts of Baikal type. I. V. Luchitskiy, P. M. Bondarenko. Geotektonika no. 2 3-20 Mr-Apr '67.

Influence of fracturing in quartzites on the efficiency of thermal piercing. B. I. Suvorov, V. A. Kuzovkin, V. N. Rogozhkin. Izv. vye. ucheb. zav., gor. zhur. 10 no. 2 72-76 '67.

Possibilities of separating disturbances by point-to-point sounding using reflected waves. S. V. Potapov. V. D. Suvorov. Geol. i geofiz. no. 1:92-102 Ja '67.

Realization of isostatic equilibrium of earth's crust. E. V. Artushkov. Izv. AN SSSR Ser. geol. no. 4:26-33 Ap '67.

Systematics of enclosed ore belts. G. I. Kniazev. Geotektonika no. 2:94-100 Mr-Apr '67.

GEOLOGY, STRUCTURAL—CONGRESSES
Out-of-town session of the Department of Earth Sciences. V. I. Smirnov. I. A. G. Tei-Oganov. Geol. i geofiz. no. 2:122-123 '67.

Svarn problems in the Ore Mountains of Saxony. L. I. Shabynin, D. S. Korzhinskii. Geol. i geofiz. no. 2 123-126 '67.

GEOLOGY, STRUCTURAL—MAPS
Method for plotting structural maps with evaluation of accuracy. L. B. Dvorkin. Nauch.-tekhn. zhur. po doh. nefli no. 30 11-17 '66.

Methodology of compiling tectonic maps of fold areas. M. I. Trypitska. Dop. AN URSS no. 10 1364-1367 '65.

Mikhailov, A. E. [Fundamentals of structural geology and geological mapping]. Osnovy struktural'noy geologii i geologicheskogo kartirovaniya. Izd. 2. Moskva, Nauka, 1967. 374 p. map (insert).

[Tectonic maps of continents at the 22d session of the International Geological Congress]. Tektonicheskie karty kontinentov na XXII sessii mezhdunarodnogo geologicheskogo kongressa. Moskva, Nauka, 1967. 181 p.

GEOLOGICAL OPTICS see Optics, Geometrical

GEOMETRY—STUDY AND TEACHING
Use of slides in sixth-grade geometry. A. P. Nefedov. Uch. zap. Kaz. un. 124 no. 10-16 '65.

GEOMETRY, ANALYTIC
Tarasov, N. P. [A course of higher mathematics for technicians]. Kurs vysshego matematicheskogo uch. zad. 13., 14. i 15. Moskva, Nauka, 1967. 112 p.

GEOMETRY, DESCRIPTIVE
Drawing perspective by the auxiliary method. A. P. Dvorkin. Uch. zap. Kaz. un. 124 no. 10-16 '65.

GEOMETRY, NON-EUCLIDEAN
A class of symmetric spaces with an example of motions, and a generalization of them. A. I. Kuntov, A. I. Shabat, A. S. Solov'ev. Izv. AN SSSR 173 no. 3:511-521 Ma '67.

On angular invariants in Lobachevskii space. Uch. zap. Kaz. un. 124 no. 10-16 '65.

Overlapping of figures on a Lobachevskii plane. Kh. anov. Uch. zap. Kaz. un. 124 no. 10-16 '65.

GEOMETRY, PROJECTIVE
Geometry over decomposable octaves. Dokl. AN SSSR 173 no. 5:1010-1013 Ap '67.

GEOMORPHOLOGY
(see also subdivision under Vyatka Valley)

[Geomorphology]. Geomorfologiya. Moskva, Mest. Moskenskogo filiala Geograficheskogo in-ta. No. 1. 1967. 30 p.

GEOPHYSICAL INSTRUMENTS
Automatically controlled magnetic induction. B. N. Kuznetsov, O. M. Rukopov. Geofiz. zhur. 105 '65.

Band-band frequency multiplexing. V. N. Vinogradov. Geofiz. zhur. 105 '65.

Compensation of the errors of a ferro-magnetic meter. P. D. Gubnikov and others. Geofiz. zhur. 105-12 '65.

Pushed composite emitting repeater. Geofiz. zhur. no. 26 90-98 '65.

Increasing the precision and speed of geophysical to-code transformations. G. N. Nizhnik, U. I. Geofiz. zhur. no. 26 71-74 '65.

Instruments for dielectric induction. Antonov, D. S. Davov. Geofiz. zhur. no. 16 1-11 '65.

New geophysical devices designed by the Bureau at the Ministry of Geology of the U.S.S.R. V. M. Chashchuk. Geofiz. zhur. no. 20 5-11 '65.

Results of field tests of the VIRT-61 gravimeter. Mitonov. Geofiz. zhur. no. 31:63-106 '67.

Six-component omnidirectional seismometer. V. I. Bondarenko. Geofiz. zhur. no. 26 54-61 '65.

Some problems linked with using the delta-metric apparatus. G. N. Mitonov. Geofiz. zhur. 49-58 '65.

Use of noncontact switches in a multi-channel. IU, D. Dolitskiy. Geofiz. zhur. no. 26 1-11 '65.

Use of weakly magnetized materials in geophysical instrument manufacture. P. D. Roznitskiy. Geofiz. zhur. 160-162 '66.

GEOPHYSICAL RESEARCH see subdivision under Atlantic regions

GEOPHYSICS
(see also subdivision under Black Sea Deep-sea Pacific Area)

Resolving possibilities of the third vertical derivative method of the gravity potential. L. V. Dmitriyev. Izv. AN SSSR, Fiz. zem. no. 9:89-92 '65.

GEORGIA—APRICOT—DISEASES AND INSECTS
Toxicity of Verticillium albo-atrum to apricot. Isolated from apricot. I. V. Malinicheva. Gruzi. 45 no. 2:401-107 F '67.

GEORGIA—BOOKSELLERS AND BOOKSHOPS
Frontiers of growth. B. Arantshidze. Kakh. 18 no. 4:13-15 Ap '67.

In favor of mass advertisement. K. I. Iliashvili. Kakh. 18 no. 4 17-18 Ap '67.

The pride of "Sundzha". B. Mazandzhidze. Kakh. 18 no. 4 16 Ap '67.

Specialists determine the success of work. Kakh. 18 no. 4:18 Ap '67.

GEORGIA—CORN
Combined use of mineral fertilizers and organic. S. S. Gogitashvili, V. V. Chikashvili, O. I. Melidze. Trudy Nauch. issled. yuzhnokavk. nauch. ts. 3-17 '65.

GEORGIA—CORN (MAIZE)—VARIETIES
Chemical investigation of the varieties of corn in regions of Georgia. N. Tsitsishvili, T. Kipashvili, Z. Tabitso. Trudy Tbil. GU 74:103-111 '59.

GEORGIA—ETHNOLOGY
Gosudarstvennyi muzej etnografii narodov SSSR. [Glossary in the second half of the 10th and the early 19th century]. Gruziny II polovina XIX - nachalo XX vv. Leningrad, 1963. 50 p. (Putovodnitsa po vystavkama)

- GEORGIA—FISH CULTURE**
Development of brood stock of herbivorous fishes, I. O. Beridze, Trudy Nauch. Issl. rybnokhoz. sta. Gruz. 10 95-106 '65
- GEORGIA—FRESH WATER—ANALYSIS**
Manganese in fresh waters of Georgia, I. A. Moseshvili, D. Khavtasi, G. Talakvadze, Trudy Tbil. GU 71:45-20 '59
- GEORGIA—GEOLOGICAL TIME**
Age of Sanchet intrusion, G. D. Dumbadze, Soob. AN Gruz. SSR 13 no. 2:435-438 '67
- GEORGIA—GRAIN—ANALYSIS AND CHEMISTRY**
Study of manganese in grain crops of Georgia, I. A. Moseshvili, G. Talakvadze, D. Khavtasi, Trudy Tbil. GU 71:29-38 '59
- GEORGIA—HISTORY**
History of economic and cultural relations between Georgia and Adyge Autonomous Province, M. V. TSintsadze, Soob. AN Gruz. SSR 43 no. 2:553-558 '67
- GEORGIA—LEAF ROLLERS**
Natural enemies of *Laspheyra pomonella* L. (Lepidoptera, Tortricidae) and the influence of chemical treatment on their beneficial activity, N. K. Gapi Indashvili, T. N. Novitskaya, Ent. obozr. 46 no. 1:70-74 '67
- GEORGIA—MINERAL WATERS**
Physicochemical study of mineral waters of the Kazbek Mount region of the Georgian S.S.R., K. A. Gamsakhurdia and others, Trudy Tbil. GU 71:301-312 '59
- GEORGIA—MINERAL WATERS—ANALYSIS**
Manganese in mineral waters of Georgia, I. A. Moseshvili, D. Khavtasi, G. Talakvadze, Trudy Tbil. GU 74:21-28 '59
- GEORGIA—MINERAL WATERS, SULFUROUS**
Fluorine in sulfurous waters of Georgia, I. A. Moseshvili, M. Ugulava, Trudy Tbil. GU 71:7-14 '59
- GEORGIA—MINERALS IN PLANTS**
Nickel in soils and plants adjacent to the talcum deposits of the Chorchana group, E. Doksopulo, Trudy Tbil. GU 71:49-56 '59
- GEORGIA—ORES**
Electroanalytical study of polymetallic ores of the Georgian S.S.R. for bismuth content, G. Sagoradze, Trudy Tbil. GU 71:313-320 '59
- GEORGIA—PETROLEUM—ANALYSIS**
Physicochemical study of petroleum and its products, Sh. Shmashkeldze, Trudy Tbil. GU 74:211-242 '59
- GEORGIA—POTATOES—VARIETIES**
Effect of the planting time for potatoes of "Majestic" and "Lorik" brands on the quantitative composition of tubers, N. TSintsadze, T. Khvaranok, G. TSintsadze, Trudy Tbil. GU 74:113-120 '59
- GEORGIA—RADIO AUDIENCES**
Together with radio audiences, A. Nizharadze, Sov. radio i tel. 9 no. 5:30 '60
- GEORGIA—RADIO IN AGRICULTURE**
Together with radio audiences, A. Nizharadze, Sov. radio i tel. 9 no. 5:30 '60
- GEORGIA—RARE EARTH METALS**
Factors of differentiation of rare earth elements in Zekouf gabbro-diorite intrusion and enclosing andesite - basalt formation, M. A. Kekelidze, I. U. A. Belashov, Soob. AN Gruz. SSR 45 no. 2:427-433 '67
- GEORGIA—ROCKS—ANALYSIS**
Nickel in rocks adjacent to the talcum deposits of the Chorchana group, E. Doksopulo, Trudy Tbil. GU 74:39-47 '59
- GEORGIA—SHOOTING, MILITARY**
Affairs and members of the club, V. Ilushin, Voen. znaniya, 43 no. 3:40-41 '67
- GEORGIA—SOCIAL LIFE AND CUSTOMS**
Rational foundations of some customs of Georgian farmers, N. A. Bregadze, Sov. etn. no. 2:110-144 '67
- GEORGIA—SOIL MICRO-ORGANISMS**
Effect of herbicides on the development of soil microflora in Red soils of western Georgia, V. D. Gogvadze, Subtrop. kul't. no. 4:156-160 '66
- GEORGIA—SOILS—ANALYSIS**
Agrochemical laboratories in subtropics, A. E. Beridze, Subtrop. kul't. no. 4:130-145 '66
- GEORGIA—SOILS—COPPER CONTENT**
Copper in soils and rocks of Adzharistan, M. Ugulava, I. Sabin-Guss, Trudy Tbil. GU 74:67-67 '59
- GEORGIA—SOILS—NICKEL CONTENT**
Nickel in soils and plants adjacent to the talcum deposits of the Chorchana group, E. Doksopulo, Trudy Tbil. GU 74:49-56 '59
- GEORGIA—TEA**
Results of testing butyl ester and sodium salt of 2,4-D against undesirable shrubs, A. S. Tsipidze, Subtrop. kul't. no. 4:161-161 '66
- GEORGIA—TILATER**
New features of familiar faces, Teatr. 28 no. 4:20-26 '67
- GEORGIA—VETERINARY MEDICINE**
Kapandze, K. S. (Development of veterinary medicine in Georgia during the years of the Soviet regime) Razvitiye veterinarii v Gruzii za gody sovetskoi vlasti, Tbilisi, Ganatleba, 1965, 415 p. (ONAL)
- GERANIC ACID**
Adamantane and its derivatives. Part 12: Synthesis of analogs of geraniol (neol) and geranic acid, F. N. Stepanov, R. A. Mutsina, Zhur. org. khim. 4 no. 3:510-512 '67
- GERANOL**
Adamantane and its derivatives. Part 12: Synthesis of analogs of geraniol (neol) and geranic acid, F. N. Stepanov, R. A. Mutsina, Zhur. org. khim. 4 no. 3:510-512 '67
- GERBILS**
(see also subdivision under Caspian Sea region)
Materials on burrow construction by *Rhombomys opimus* Licht., based on its complete excavation, I. U. A. Dubrovskii and others, Mat. k pozn. fauny i flory SSSR, Old. zool. no. 4:175-187 '67
- GERMAN DEMOCRATIC REPUBLIC** see Germany, East
- GERMAN FEDERAL REPUBLIC** see Germany, West
- GERMAN LANGUAGE—DICTIONARIES—LATVIAN**
[German-Latvian dictionary, 7,000 words] Vacu-latviesu vards, 2. izdevums, 7000 vardu, Riga, Liesma, 1966, 514 p.
- GERMAN LANGUAGE—DICTIONARIES—RUSSIAN**
[German-Russian metallurgical dictionary, Approximate-ly 40,000 terms] Nemetsko-russkii metallurgicheskii slovar', Okolo 40000 termov, Moskva, Sov. Enslklopediya, 1967, 760 p.
- GERMAN LANGUAGE—STUDY AND TEACHING**
Work methodology in speech situations, I. A. Giniatullin, Vech. shkol. 10 no. 2:73-77 '67
- GERMANATES**
Preparation and properties of yttrium and neodymium germanates, V. B. Glushkova, I. A. Davtian, E. K. Keler, Izv. AN SSSR, Neorg. mat. 3 no. 1:119-126 '67
- GERMANE**
Quantitative mass spectrometric analysis of monosilane and monogermene, N. V. Loshin, G. G. Davtyalykh, I. I. Agatov, Zhur. anal. khim. 22 no. 2:285-288 '67
- GERMANE—SPECTRA**
Nuclear quadrupole resonance of ^{133}Ge in organochloro-germanes, I. P. Brikov and others, Dokl. AN SSSR 173 no. 2:301-301 '67
- GERMANIUM**
Anisotropy of electron scattering processes in germanium, V. V. Efimov, A. F. Kravchenko, Fiz. i tekhn. poluprov. 1 no. 2:302-304 '67
- Electrochemical behavior of germanium on a mercury electrode, V. P. Gladyshev, G. A. Tember, Trudy Inst. khim. i anal. AN Kazakh. SSR 19:81-89 '67
- Mechanisms of formation of monolayers containing germanium, N. I. Rezenkova, Dokl. AN SSSR 173 no. 4:926-928 '67
- Preparation of pure surface of germanium, silicon, and quartz, Part 1: Description of copper, silver, indium, and antimony by water and acids, V. S. Solntikov, A. S. Belanovskii, Radiokhimiya 9 no. 2:240-246 '67
- Preparation of pure surfaces of germanium, silicon, and quartz, Part 2: Description of copper, silver, indium, antimony, and gold by organic reagents, V. S. Solntikov, A. S. Belanovskii, Radiokhimiya 9 no. 2:246-250 '67
- Spectral pickling pits on germanium, I. U. P. Khakharinskii, M. I. Shchevelev, N. N. Popovich, Fiz. i tekhn. poluprov. 1 no. 4:1042-1046 '67
- Studying the autoelectronic emission of germanium, V. G. Ivanov, G. N. Fursel, I. L. Sokol'skaya, Fiz. i tekhn. poluprov. 9 no. 4:1144-1148 '67
- GERMANIUM—ANALYSIS**
Some characteristics of germanium distribution in limestones and marls, S. M. Sedenko, Dop. AN URSR Ser. B 29 no. 5:439-442 '67
- GERMANIUM—ELECTRIC PROPERTIES**
Layer of degenerated n-germanium in heterojunctions, A. A. Kukharuk, V. K. Subashiev, M. B. Ushakov, Fiz. i tekhn. poluprov. 1 no. 2:203-205 '67
- Some properties of electric domains in n-germanium doped with copper, S. G. Kalashnikov, M. S. Kagan, V. A. Vdovenkov, Fiz. i tekhn. poluprov. 1 no. 1:116-122 '67
- GERMANIUM CHLORIDES**
Sorption method of purifying germanium tetrachloride, I. G. Rykova and others, Khim. prom. 43 no. 2:37-39 '67
- GERMANIUM CHLORIDES—DENSITY**
Orthobaric density, viscosity, and surface tension of germanium tetrachloride, L. A. Nisels'yon, T. D. Sokolova, P. P. Pugachevich, Zhur. neorg. khim. 12 no. 3:589-591 '67
- GERMANIUM COMPOUNDS**
Microhardness of germanides of some transition metals, V. N. Bondarev, V. P. Perminov, V. A. Podergin, Izv. AN SSSR, Neorg. mat. 3 no. 4:707-708 '67
- Synthesis and properties of bis-(triethylgermyl) thallium, O. A. Kugalska and others, Dokl. AN SSSR 173 no. 4:834-836 '67
- GERMANIUM CRYSTALS**
Magneto-optical oscillations of the absorption in germanium crystals free of mechanical stresses, A. V. Varfolomeev, B. P. Zakhar'chenko, R. P. Seleznev, Fiz. i tekhn. poluprov. 9 no. 4:1085-1088 '67
- Microcalculation of the dielectric constant in germanium crystals, T. I. Kucher, K. B. Tolpygo, Fiz. i tekhn. poluprov. 1 no. 1:77-81 '67
- Studying the field and concentration dependencies of Hall coefficient in n-germanium single crystals in intermediate and strong magnetic fields, P. I. Baranskii, I. V. Dakhovskii, P. M. Kuznetsov, Fiz. i tekhn. poluprov. 1 no. 2:178-182 '67
- Temperature dependence of the width of the forbidden band in heavily doped n-germanium, A. A. Rogachev, Fiz. i tekhn. poluprov. 1 no. 2:236-238 '67
- GERMANIUM CRYSTALS—DEFECTS**
Anisotropy of electron scattering on dislocations in germanium, V. V. Efimov, A. F. Kravchenko, V. V. Khafizovskaya, Fiz. i tekhn. poluprov. 1 no. 2:304-307 '67
- Effect of uniaxial compression on the radiative recombination of heavily doped germanium, A. A. Koval'skii, Fiz. i tekhn. poluprov. 1 no. 1:97-101 '67
- Gunn effect in uniaxially compressed germanium, A. A. Koval'skii, S. M. Ryvkina, Fiz. i tekhn. poluprov. 1 no. 4:622-626 '67
- Plastic deformation of germanium in an electric field, T. A. Kontorova, Fiz. i tekhn. poluprov. 9 no. 4:1235-1241 '67
- GERMANIUM CRYSTALS—ELECTRIC PROPERTIES**
Recombination of hot current carriers on a real surface of n-germanium, S. Kalvenas, L. Klimka, J. Porela, Fiz. i tekhn. poluprov. 9 no. 3:936-938 '67
- GERMANIUM CRYSTALS—OPTICAL PROPERTIES**
Effect of the warm-up of holes in a strong electric field on the optical transparency of germanium, M. A. Vasil'eva, L. P. Vorob'ev, V. I. Stafeev, Fiz. i tekhn. poluprov. 1 no. 3:333-339 '67
- Modulation of light by hot holes in germanium, M. A. Vasil'eva and others, Fiz. i tekhn. poluprov. 1 no. 3:439-440 '67
- GERMANIUM CRYSTALS—PHOTOELECTRIC PROPERTIES**
Measuring the Hall photoelectromotive force on thin samples of germanium, A. V. Irlin, K. K. Sytashov, V. G. Pan'kin, Fiz. i tekhn. poluprov. 1 no. 4:529-534 '67
- GERMANIUM CRYSTALS—SPECTRA**
Determining the valence band structure in germanium by the absorption of light, M. A. Vasil'eva, L. E. Vorob'ev, V. I. Stafeev, Fiz. i tekhn. poluprov. 1 no. 1:29-33 '67
- Modulation effect of the absorption coefficient of heavily doped germanium by an electric field, A. A. Rogachev, S. M. Ryvkina, Fiz. i tekhn. poluprov. 1 no. 4:501-504 '67
- Recombination radiation of heavily doped germanium, A. P. Shotov, M. S. Khraushov, Fiz. i tekhn. poluprov. 1 no. 4:573-586 '67
- GERMANIUM CRYSTALS—THERMOELECTRIC PROPERTIES**
Heating of current carriers in thin samples of germanium, S. Kalvenas, J. Porela, Fiz. i tekhn. poluprov. 9 no. 1:1270-1273 '67
- GERMANIUM CRYSTALS, EFFECT OF RADIATION ON**
Radiative recombination in germanium irradiated by fast electrons at $T = 77^\circ\text{K}$, A. B. Gerasimov, B. M. Konovolenko, G. I. Erstavi, Fiz. i tekhn. poluprov. 3 no. 2:307-308 '67
- GERMANIUM ELECTRODES** see Electrodes, Germanium
- GERMANIUM—GOLD ALLOYS**
Negative resistance in p-germanium doped with gold in strong electric fields, L. Z. Karlinova, V. P. Soudaevskii, V. I. Stafeev, Fiz. i tekhn. poluprov. 1 no. 4:587-590 '67
- GERMANIUM—MERCURY ALLOYS—PHOTOELECTRIC PROPERTIES**
Photoelectric properties of mercury-doped germanium, R. M. Aramovich, A. I. Piatnitskii, T. B. Karashov, Fiz. i tekhn. poluprov. 1 no. 4:601-603 '67

GERMANY, EAST—TECHNICAL EDUCATION—CONGRESSES
 ... working, working we are studying
 Izv. Vsesoyuz. Shkol. i prikl. 11 no 169-70 Ja '67

GERMANY, EAST—PUBLISHERS AND PUBLISHING
 ... publications of the G.D.R. Kalzh, torg.
 13 no 4 37 Ap '67

GERMANY, EAST—TELEVISION AND CHILDREN
 ... youth at the screen, Siegfried Bohme, Sov. radio
 11 no 5 no 6 47 '60

GERMANY, EAST—TRADE UNIONS
 ... and the new economic system of the Democratic Republic of Germany, Paul Schulz, Sov. prof.
 33 no 5 10-41 Ma '67

GERMANY, EAST—WELDING—EQUIPMENT AND SUPPLIES
 ... standardized filler metals and fluxes in the German Democratic Republic, Svar, profizv, no 4-51-53 Ap '67

GERMANY, WEST—CHEMICAL INDUSTRIES—MANAGEMENT
 ... Some problems of the organization of production and labor in the chemical enterprises of the Federal Republic of Germany, N.A. Simulin, Zhur. VNIIO 12 no 2 202-208 '67

GERMANY, WEST—ECONOMIC CONDITIONS
 ... Year of unfavorable results, S. Solov'ev, Vnesh. torg.
 47 no 3 34 '67

GERMANY, WEST—FOREIGN RELATIONS
 ... Dead end of the foreign policy of the German Federal Republic and the "big coalition" IU, Panfilov, Mezhdunar. zhurn. 14 no 5 12-19 '67

GERMANY, WEST—FOREIGN RELATIONS—UNITED STATES
 ... Behind the scenes of the American and Bonn alliance, First News, Communist 44 no 6 98-100 Ap '67

GERMANY, WEST—INDUSTRIES
 ... They are gaining from aggression, Agitator 34 no 4; 61 Ap '67

GERMANY, WEST—INTELLIGENCE SERVICE
 ... The "quiet" Germans in Africa, L. Bashkirtov, Mol. komm., no 3; 90-97 '67

GERMANY, WEST—MILITARISM
 ... Walks in Trier, a satirical sketch, N. Kolishev, Nov. vrem. 25 no 20; 12 My '67

GERMANY, WEST—MILITARY POLICY
 ... "Revanchist" strategy of the Bonn Government, S. Mal'fanchikov, Komm. Voen. uzsh. 511 48 no 8, 0-84 Ap '67

GERMANY, WEST—PIPE MILLS
 ... Mills in West Germany for the manufacture of tubes having less than 150 mm in diameter, A. I. Tselikov, Stal. 20 no 5 449-455 My '60

GERMANY, WEST—POLITICS AND GOVERNMENT
 ... Dead end of the foreign policy of the German Federal Republic and the "big coalition" IU, Panfilov, Mezhdunar. zhurn. 14 no 5 12-19 '67

GERMANY, WEST—PROPAGANDA, RUSSIAN
 ... Shadows of the past on the Rhine, K. Karag'zhan, Sov. voen. 49 no 7 46-47 Ap '67

GERMANY, WEST—REFUGEES
 ... Blind and deaf, a satirical sketch, Kazimierz Goido, Nov. vrem. 25 no 19, 30 My '67

GERMANY, WEST—RELATIONS (GENERAL) WITH RUSSIA
 ... Visits to the Rhine, V. Berezhevsk, Nov. vrem. 25 no 18; 16-17 My '67

GERMINATION
 ... Effect of various conditions of wheat germination on susceptibility of plants in following generations, V. F. Rashevskaya, V. P. Nilova, Trudy VIZR no 13; 117-131 '58

GERSEVANOV (GARSEVANISHVILI), MIKHAIL NIKOLAEVICH, 1830-1907
 ... eminent Georgian scientist and technologist, V. R. Tognidze, Trudy GPI (Gruz.) no 2; 269-277 '61

GEYSERS
 ... Red coal, V. Nurshanov, Neftianik 10 no 2; 18-20 F '65

GHANA—GOLD ORES
 ... Proterozoic gold-bearing conglomerates of Tarkwa deposit, Ghana, I. S. Rozhkov, Geol. i geofiz. no 1; 90-74 Ja '67

GLADUEVICH, VIKTOR FRANTSEVICH, 1904-1966
 ... V. F. Gladuevich, 1904-1966; an obituary, Vest. drev. ist. no 1 213-214 Ja-Mr '67

GIBBERELLINS
 ... Content of natural gibberellins in the plants ... related to the growth ...
 14 no 2 366-368 Ma '67

GIBBERELLINS
 ... Dynamics of natural gibberellins in the grape varieties in relation to the ...
 M. M. Chudikina, M. M. Stalinskaya, 165 no 6 111-116 D '65

GIBRALTAR—INTERNATIONAL STATUS
 ... Control over Gibraltar, 31 no 2 451 Ma '67

GIFTS
 ... Sad thoughts about holiday gifts ...
 10 10 10 D '66

GINSENG
 ... Effect of large doses of ginseng on the ...
 71 '67

GINSENG
 ... Mass spectrometric study of ...
 Dokl. AN SSSR 173 no 5; 1000-1002 '67

STRUCTURE OF CARBOHYDRATE CHAINS OF ...
 and P. G. B. P. Huxley and others, 20 no 6 108-110 D '65

GIRDERS—see Beams and girders

GISSAR RANGE - GAIHURU
 ... Rocks of gabbro formation in upper ...
 Yangaklyk, and lower of Hymen ...
 Gissar Range, 21 1 Vostochn. zhurn. 14 no 5 12-19 '67

GISSAR RANGE - GEOLOGY, STRU...
 ... Relationship between horizontal ...
 part of Gissar Range and adjacent ...
 Gissar Range, 21 10 55 Ma Ap '67

GISSAR RANGE OR. DIPOLES, ANAT...
 ... Geochemistry of some impurity elements ...
 hydrothermal and metamorphic ...
 of Gissar Range, 21 1 Vostochn. zhurn. 14 no 5 12-19 '67

GISSAR RANGE - ROCKS, BEDROCK
 ... Place of evolution in general scheme ...
 igneous activity in southwestern ...
 P. D. Kuznetsov, Nauch. trudy, 14 10 55 Ma Ap '67

GISSAR RANGE - SYNTHESIS
 ... Place of evolution in general scheme ...
 igneous activity in southwestern ...
 P. D. Kuznetsov, Nauch. trudy, 14 10 55 Ma Ap '67

GLACIAL EPOCH—see Subdivisions under ...
 Pleistocene

GLACIERS
 ... (see also subdivisions under ...)
 Balance method of determining the ...
 glaciers, N. N. Pal'tov, Izv. Vost. 142-144 Ma Ap '67

GLACIAL FLOID and the formation of the ...
 the route of the British and ...
 A. I. Pavlov, Izv. AN SSSR, 14 142-144 Ma Ap '67

High-temperature horing in glaciers ...
 conditions, A. V. Bichkin, V. V. ...
 Izv. Vost. 142-144 Ma Ap '67

Radio-echo sounding of glaciers, V. V. ...
 Fedorov, Zhur. tekhn. fiz. 47 no 4 '67

Subglacial relief of the Shukla ...
 determined by geophysical ...
 Lazarev and others, 14 41-53 '65

GLACIOLOGICAL RESEARCH—see subdivisions ...
 Spillabergen

GLAGOLEV, PAVEL ALEKSEEVICH, 18...
 ... Pavel Alekseyevich Glagolev on his ...
 45th anniversary of scientific ...
 activities, Arkh. nat. i. 122 Ap '67

GLASS
 ... Crystallization of slag glasses, ...
 glasses, N. M. Pavlovskii and others, 14 122 Ap '67

Crystallization of slag glasses, ...
 glasses, N. M. Pavlovskii and others, 14 122 Ap '67

Impacting hydrophobic properties ...
 L. M. Vinogradov, A. I. Kozlov, 14 34 no 4 1743-1750 Ap '67

GLASS—DIELECTRIC PROPERTIES
 ... Nature of dielectric losses in glasses at a ...
 quency, M. D. Maslovskiy, 14 122 Ap '67

- GLASS-ELECTRIC PROPERTIES**
Ionic diffusion and electric conductance of monoalkaline glasses. K. K. Evstrop'ev, V. K. Pavlovskii. Izv. AN SSSR, Neorg. mat. 3 no. 1, 673-678 Ap '67.
Thermoelectric in glass with n-type conductivity. M. A. Doloz. Uch. zap. Kaz. -Balk. gos. un. no. 13, 31-34 '61.
- GLASS-SPECTRA**
Mossbauer effect in tin-containing glasses. K. P. Mitofanov, T. A. Sidorenko. Fiz. tverd. tela 9 no. 3, 890-894 Mi '67.
- GLASS-TESTING**
Investigating glasses in the system $MgO-M_2O_3-SiO_2$. S. Gambaian, A. Batanova, S. Chertovikov. Prom. Arm. 10 no. 3, 10-22 '67.
Mechanism underlying the two-stage strengthening of glass. S. I. Sil'vestrovich, V. D. Karakov, A. I. Savateev. Dokl. AN SSSR 172 no. 6, 1305-1308 F '67.
- GLASS-THERMAL PROPERTIES**
Estimation of optimum conditions for glass annealing. V. I. Pymentko. Dop. AN URSR Ser. B 29 no. 5, 455-457 M '67.
- GLASS, COLORED**
Luminescence of manganese-activated phosphate glasses. L. A. Gorbacheva, A. I. Kabakova. Zhur. prikl. spekt. 6 no. 4, 478-481 Ap '67.
- GLASS, EFFECT OF RADIATION ON**
Effect of α -radiation on the microplasticity of quartz glasses. O. A. Troitskii, N. B. Pichkova. Izv. AN SSSR, Neorg. mat. 3 no. 1, 200-202 Ja '67.
Effect of gamma-neutron radiation on some physical and chemical properties of glasses. G. V. Burdakovskii, B. I. Lusin, N. I. Orlov. Opt.-mekh. prom. 34 no. 1, 34-40 Mi '67.
Effect of gamma radiation on the durability of glasses in the system $As_2Se_3-As_2Te_3$. I. A. Domolad, Izv. AN URSR, Ser. fiz.-mat. nauk 11 no. 2, 67 '67.
- GLASS, EFFECT OF TEMPERATURE ON**
Studying the effect of heat treatment on the photoluminescence of glasses. S. M. Bekhovskikh, M. N. Vitolova, V. I. Shchubskii. Zhur. prikl. spekt. 6 no. 4, 555-556 Ap '67.
- GLASS, OPTICAL**
Mechanical strength of optical contact during detachment tests. L. A. Lubovina. Opt.-mekh. prom. 34 no. 3, 41-43 M '67.
- GLASS, OPTICAL-THERMAL PROPERTIES**
Study of the dependence of the heat capacity of barite glasses on their chemical composition and temperature. V. V. Rodionova, V. N. Sakulin. Opt.-mekh. prom. 34 no. 1, 32-41 Ap '67.
- GLASS GRINDING AND POLISHING-SAFETY MEASURES**
Klimov, I. A. [Safety manual for the glass grinder and polisher]. Pamiatka po tekhnike bezopasnosti dlia shlifovshchika i polirovshchika stekla. Moskva, Stroiizdat, 1967. 11 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov).
- GLASS MANUFACTURE**
Grinding and polishing glass. Translated from the Czech. Shlifovka i polirovka stekla. Pod rukovodstvom Irzhi Geis, Obrab. Zdenek Kozl. dr. Leningrad, Stroiizdat, 1967. 270 p.
- GLASS SUBSTITUTES, EFFECT OF RADIATION ON**
Luminescence of organic glasses, irradiated at low temperature. Kh. S. Bagdasaryan, R. I. Milutinskii, I. U. V. Kovalov. Khim. vys. energ. 1 no. 2, 127-135 M-Ap '67.
- GLASS FIBERS**
Using new decorative glass-fiber material. L. L. Shcheglov, N. G. Egorov, V. P. Denisova. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 1, 8 Ap '67.
- GLASS MANUFACTURE-CHEMISTRY**
Ionic diffusion and electric conductance of monoalkaline glasses. K. K. Evstrop'ev, V. K. Pavlovskii. Izv. AN SSSR, Neorg. mat. 3 no. 1, 673-678 Ap '67.
Particular features of structure and of some chemical properties of beryllium fluoride and glasses based on it. G. T. Petrovskii. Izv. AN SSSR, Neorg. mat. 3 no. 1, 206-207 Ja '67.
- GLASS PAINTING AND STAINING**
Work with stained glass in manual painting glasses. T. M. Savitskii. Rad. shk. 15 no. 4, 65-66 Ap '67.
- GLASS REINFORCED PLASTICS**
Copolymers of maleic and methacrylic acid esters, a new type of binding agent for glass plastics. G. A. Shiraikhman and others. Zhur. prikl. khim. 34 no. 4, 886-891 Ap '61.
Experimental determination of ultimate forces of a cylindrical shell made of glass-reinforced plastics. V. S. Gumeniuk, V. S. Kravchuk, V. V. Lushchuk. Prikl. mekhn. 3 no. 3, 12-45 Mi '67.
Fiber glass containers. V. I. Shishko and others. Tekst. prom. 27 no. 4, 95-96 Ap '67.
- Use of parts from glass test-tube in the repair of electrical machines. B. M. Melamed. Energetik 15 no. 4, 21-22 Ap '67.
- GLASSWORKERS** see subdivision under Proletariat (Novgorod Province)
- GLASSWORKERS-DISEASES AND HYGIENE** see subdivision under Gomal'
- GLIDERS (AERONAUTICS)**
Brezes. V. Brezina, G. Lapatov. Kisl. i. od. 18 no. 3, 21-25 M '67.
On takeoff. A. Koval'. Kisl. i. od. 18 no. 3, 18-19 M '67.
- GLIDERS (AERONAUTICS)-TECHNOLOGICAL INNOVATIONS**
"Floating" empennage. I. Kostenko, V. Zambatin. Kisl. i. od. 18 no. 4, 26-27 Ap '67.
- GLOBULIN-PHYSIOLOGICAL EFFECT**
Effect of homologous globulin on the reaction of plasma cells in lymphatic nodes. N. I. Bolshachikova. Bul. eksp. biol. med. 63 no. 1, 68-70 Ap '67.
- GLUCOAMYLASE**
Production of glucoamylase from submerged cultures of mold fungi. L. Sep. Form. i. spl. prom. 33 no. 3, 17-18 '67.
- GLUCOMANNANS**
Study of glucomannan hydrolysis by enzyme preparation from *Aspergillus oryzae*. A. A. Kuznetsov, B. N. Stepanenko. Biokhimiia 32 no. 2, 368-376 M-Ap '67.
- GLUCOSE**
Solubility of the binary compound of glucose and sodium chloride in water. N. V. Lebedev, A. A. Bannikova. Sb. tr. i. NIGS 15, 221-237 '66.
- GLUCOSE INDUSTRY**
Preparation of the solution for the crystallization of the binary compound of glucose and sodium chloride (test filtration of the syrup in the production of glucose in wood). N. V. Lebedev, M. N. Ljubetskaya. Sb. tr. i. NIGS 15, 217-220 '66.
- GLUE**
Universal glue. R. Saglman. Prom. Arm. 10 no. 3, 62-63 M '67.
- GLUING**
Durability of the glued joints of wood produced by heat in a high-frequency electric field. V. A. Birlukov, V. M. Melnik. D. i. prom. 16 no. 1, 14-15 Ap '67.
Glued joints of metal structures. D. A. Kardashov. Stro. i. dor. mash. 12 no. 3, 31-36 M '67.
Processing of leather for shoe uppers glued to the lower without roughing the edges. Report No. 1. I. A. Biri and others. Nauch.-issl. tr. i. NIGS 15, 19-30 '65.
- GLUKHOVKA (MOSCOW PROVINCE)-TEXTILE WORKERS**
The present of Old Glukhovka. I. Mikhailova. Sov. profsoyuz 23 no. 7, 8-10 Ap '67.
- GLUTACONALDEHYDE**
Rearrangement of 2, 6-dialkoxy- Δ^2 -lithoxyopyrans to glutacetaldehyde monoacetals. S. M. Makin, V. M. Likhoshin. Zhur. org. khim. 3 no. 1, 710-712 Ap '67.
- GLUTAMIC ACID**
Selection of *Meroecoccus glutamicus*, producer of glutamic acid, and physiological properties of its mutants. N. I. Zhdanova, R. M. Bahtskaya, S. I. Aitkhanian. Genetika 3 no. 3, 122-126 M '67.
- GLUTAMINASES**
Glutaminase and isoglutaminase from *Saccharomyces cerevisiae* Meyen KMY 381. A. Kh. Abdumalikov, V. V. Eroshenko. Biokhimiia 32 no. 2, 363-367 M-Ap '67.
- GLUTEN**
Study of relationship between gluten content and quality and some morphological and biological properties of soft wheat hybrid population. O. I. Mal'shuk, T. Sh. Igen. 1 no. 2, 62-65 M-Ap '67.
- GLYCERALDEHYDE**
Mechanism of oxidation of glyceraldehyde by molecular oxygen. L. M. Andronov, Z. K. Maizus. Izv. AN SSSR, Set. khim. no. 3, 519-524 M '67.
- GLYCERIN**
Utilization of glycerin by some butyric acid bacterial cultures. L. G. Azova. Dokl. AN SSSR 172 no. 6, 1431-1433 F '67.
- GLYCIDOL**
Synthesis and properties of glycidyl esters of phosphoric acids. Report No. 1. Synthesis of cyclic glycidyl esters of glycolphosphoric acids. L. V. Stepashkina, N. I. Ritspol'skii. Izv. AN SSSR Ser. khim. no. 3, 607-610 M '67.
- GLYCINE CRYSTALS-ELECTRIC PROPERTIES**
Investigating the phase transition of single crystals of tri-glycine sulphate at the Curie point by the electric conductivity measurement method. V. M. Gurevich, I. S. Zheludev. Kristallografiia 6 no. 1, 135-137 Ja-P '61.
- GLYCOGEN**
Effect of Thio-TEPA and Benzo-TEPA on the glycogen-forming function of the liver in rabbits. B. M. Zeltvin, Vop. onk. 13 no. 3, 76-70 '67.
- GLYCOLIC ACID**
Substituted hydrazides of oxycarboxylic acids. Part 16. 2, 3-diacetylphenylhydrazides of methyl- and dialkylglycolic acids. I. S. Boudin, V. A. Mal'tseva. Zhur. org. khim. 3 no. 3, 539-542 M '67.
- GLYCOLS**
Aryloxy acetic esters of acetylenic glycols. I. N. Azet'baev, T. G. Saibayev, U. Makanov. Izv. AN Kazakh. SSR Ser. khim. 17 no. 2, 81-85 M-Ap '67.
Further study of diols isolated from lipids in the genus *Lipomyces* yeast. V. A. Vavai and others. Biokhimiia 32 no. 2, 310-317 M-Ap '67.
Synthesis and catalytic hydrogenation of some asymmetrical acetylenic methoxy- γ -glycols. I. M. Gvaidisteli, R. I. Papava. Trudy Tbil. GU 11, 135-148 '69.
Synthesis and transformations of primary and secondary diacetylenic glycols and alkoxy- and alkylthioacetylenic alcohols. A. V. Bogdanova and others. Zhur. org. khim. 3 no. 1, 673-681 Ap '67.
Synthesis of monoethers of ethylene glycol of fatty and naphthenic acids. B. K. Zeldakov and others. Azerb. med. khim. 16 no. 3, 11-12 M '67.
Synthesis of symmetrical acetylenic dimethoxy- γ -glycols and study of their catalytic hydrogenation. I. M. Gvaidisteli, R. I. Papava. Trudy Tbil. GU 14, 121-134 '69.
- GLYCOSIDES**
Structure of carbohydrate chains of pantothenic acid. And. F. G. B. Eliash and others. Dokl. AN SSSR 165 no. 6, 1309-1312 D '65.
- GLYCYRRHIZETIC ACID-SPECTRA**
Interpenetration. Part 16. Electronic absorption spectra of glycyrrhizic acid derivatives. G. A. Tolstikov, M. I. Gornov, I. P. Shumov. Izv. AN Kazakh. SSR Ser. khim. 17 no. 2, 71-78 M-Ap '67.
- GLYOXALIC ACID**
Effect of surface active substances on the kinetics of electroreduction of phenylglyoxalic acid. D. N. Afanas'ev, I. I. Chibrikova. 3 no. 2, 204-207 '67.
- GNEISS**
Two types of zircons in a gneiss xenolith. I. V. Zaytseva. Dop. AN URSR no. 1, 85-89 '61.
- GNIDIN OIL FIELD-PETROLEUM-ANALYSIS**
Studying ash composition of Lower Permian crude oils from Gnidin field. V. O. Kordushkin, S. B. Karakov. Dop. AN URSR Ser. B 29 no. 5, 101-106 M '67.
- GNIDIN OIL FIELD-ROCKS, SEDIMENTARY-PERMEABILITY**
Effect of particle fraction on permeability properties of rocks. A. L. Pugaev, V. I. Savchenko. Geol. nefit i gaz. 11 no. 3, 20-22 M '67.
- GOATS-DISEASES AND PESTS** see subdivision under Mongolia
- GOGOL, NIKOLAI VASIL'EVICH, 1809-1852**
Dokudov, A. M., and V. G. Mar'yanov. [Study of Gogol's comedy "The Inspector General" in school]. Lechenie komedii N. V. Gogola "Revizor" v shkole. Moskva, Prosveshchenie, 1967. 160 p.
- GOTTER**
Activity of iodide peroxidase of thyroid gland changed by goiter. V. A. Odnokozova, N. B. Sitange. Arkh. pat. 20 no. 3, 12-16 '67.
Functional evaluation of the capsule of nodular goiter based on iodine saturation. B. D. Anikandov, A. M. Bykhovskaya. Med. i. biol. 17 no. 4, 36-40 Ap '67.
State of the peripheral blood and bone marrow in patients with diffuse toxic goiter following treatment with I^{131} . I. U. Doronova and others. Med. i. biol. 12 no. 4, 11-34 Ap '67.
- GOLD-ANALYSIS**
Photometric determination of gold in concentrates and intermediate products of the lead-zinc manufacture. N. Ganchev, B. Alenashova. Zhur. anal. khim. 22 no. 2, 274-276 F '67.
- GOLD DREDGING**
Bogdanov, L. I. [Problems of technical progress in washing sands from placer deposits of the northeastern U. S. S. R. | Voprosy tekhnicheskogo progressa na promykle peakov rossiyskikh mestorozhdenii Severo-Vostochna SSSR. [Magadan] Magadanskoe knizhnoe izd-vo, 1967. 200 p.
- GOLD-GERMANIUM ALLOYS** see Germanium-gold alloys
- GOLD ISOTOPES**
Diffusion of gold in indium arsenide. S. I. Rembeza, Fiz. i. tekhn. poluprov. 1 no. 4, 815-817 Ap '67.
- GOLD ISOTOPES-THERAPEUTIC USE**
Late results of treating metastases of skin melanomas with colloid Au^{198} . A. V. Kozlova, L. L. Likhovetskaya. Med. rad. 12 no. 4, 20-24 Ap '67.

1962

- GRAPES—VARIETIES**
(see also subdivision under Moldavia)
Dynamics of natural gibberellins in seed and seedless grape varieties in relation to gibberellin acid effect M. Kh. Chailakhian, M. M. Sarikisova. Dokl. AN SSSR 165 no. 10 1443-1446 D '65
- GRAPH THEORY**
Evolutional graphs and their application in studying and solving systems of linear equations P. E. Krasauskas. Dokl. AN SSSR 165 no. 6 1265-1268 D '65.
Simplification of A. N. Kuznetsov's graph I. P. Vmagolobell. Izv. GPI [Gruz.] no. 2 9-13 '64.
Some problems affecting the determination of time characteristics in graph planning with random estimates of the duration of the operations A. P. Polozhnev. Zhur. vych. mat. i mat. fiz. 7 no. 2 160-166 Mh-Apr '67
- GRAPHIC METHODS**
Graphic-mathematical method for calculating double-acting hydraulic percussion drills I. N. Butimovskii, A. S. Dushkevich. Nauch. khor. 45 no. 1 27-10 Ap '67
Montogram for determining the lifetime of an artificial earth satellite M. S. Vinogradov. Kosm. issl. 5 no. 2 200-201 Mh-Apr '67
- GRAPHITE**
Theory of ultrasonic absorption by graphite M. I. Kaganov, A. I. Semenenko. Fiz. tver. tela 9 no. 4 1128-1130 Ap '67
- GRAPHITE—THERMAL PROPERTIES**
Dispersity contribution to the heat capacity of sodium chloride and graphite Kh. B. Khokhlov, D. Ch. Zap. Kab., Balk. gos. univ. no. 13 108-112 '61.
- GRASS PEA** see subdivision under Alma-Ata Province
- GRASSES**
(see also subdivision under Gorkiy Province)
Moisture and air conditions of peat-bog soils and the yield of perennial grasses. A. I. Usenka. Vestn. AN BSSR, Ser. sel'sk. hosp. nauk. no. 1 48-52 '67.
Morphogenesis of meadow grass shoots and the conditions of environment P. V. Lebedev and others. Zap. Sverd. otd. VBO no. 4 75-86 '66
Significance of auxins in correlative inhibition of shoot formation in graminaceous plants. I. K. Khishin, L. V. Baeva. Zap. Sverd. otd. VBO no. 4 15-27 '66.
- GRAVITATION**
Movement of satellites along orbits with small eccentricity in the noncentral gravitational field of the earth B. A. Ustinov. Kosm. issl. 4 no. 2 181-184 Mh-Apr '67
- GRAVITY**
Rectilinear, circular and some similar motions in the problem of the translational-rotational motion of the simplest bodies attracted by the earth. V. T. Koshin et al. Biol. Inst. teor. astr. 10 no. 9 582-599 '66.
Resolving possibilities of the third vertical derivatives method of the gravity potential, L. V. Dmitrov. Izv. AN SSSR. Fiz. zem. no. 9 89-92 '65.
- GRAVITY ANOMALIES**
Determining the figure of the earth from anomalies of the vertical gravity gradient. V. B. Naumov. Dokl. AN URSR Ser. B 26 no. 1 52-55 Ja '67
Device for the interpretation of geophysical anomalies IIP-2. V. A. Krasnikov, B. S. Stepanov. Geofiz. app. no. 31 119-122 '67.
Interpretation of a complex potential field for particular cases of distribution of the perturbing masses. K. I. Sokolovskiy. Dokl. AN URSR. Ser. B 20 no. 1 337-342 Ap '67
- GRAVITY PROSPECTING**
(see also subdivision under Antarctic regions)
Division of local and regional anomalies, a case of two-dimensional problem, V. N. Stakhov. Geol. i geofiz. no. 12 89-100 '66.
Nemitsov, L. D. [High-precision gravity prospecting] Vysokotочная гравиметрия, Moskva, Nedra, 1967, 230 p.
- Subglacial relief of the Shackleton shelf glacier as determined by geophysical experimental data, G. E. Lazarev and others. Izv. AN SSSR. Fiz. zem. no. 8; 44-53 '65.
- GRAY MULLET** see subdivision under Black Sea
- GREAT BRITAIN—AGRICULTURE—ECONOMIC ASPECTS**
Mironova, E. V. [Agrarian relations in Great Britain and their influence upon the development and distribution of agriculture] Agrarnye otnosheniya v Velikobritanii i ikh vliyanie na razvitiye i razmeshcheniye sel'skogo khozaystva. [Saratov] Izd-vo Saratovskogo univ., 1968, 84 p., maps.
(CSI-H)
- GREAT BRITAIN—CHEMICAL INDUSTRIES—MANAGEMENT**
Some problems of the management and organization of production in the chemical industry of England. E. D. Smirnova. Zhur. VKhO 12 no. 2 195-202 '67.
- GREAT BRITAIN—DWELLINGS—DESIGN AND CONSTRUCTION**
Housing construction enterprises of the firm "Veir," I. A. Ganchev. Dcr. prom. 10 no. 4 220-31 Ap '67.
- GREAT BRITAIN—ECONOMICS—PERIODICALS**
A guide to the labyrinths of business. Henryk Zdanowski. Zhurnal. no. 2 66-67 F '67
- GREAT BRITAIN—EXPORT CREDIT**
New phenomena in export financing by British banks. P. I. Seleznev. BIKI [Beloruss.] no. 2 60-104 '67
- GREAT BRITAIN—FOREIGN RELATIONS—IRAQ**
The Anglo-Iraqi war in 1914 and its evaluation in bourgeois historiography N. O. Oganesian. Vestn. obshch. nauk AN Arm. SSR no. 10 77-87 O '68.
- GREAT BRITAIN—FOREIGN RELATIONS—RUSSIA**
The secret of nonsuccess. L. Sedn. Nov. vrem. 25 no. 23 18-19 Fe '67
- GREAT BRITAIN—JET PLANES—FUEL**
Jet fuels in the United States and Great Britain. I. A. B. Chetkov, V. G. Spitskin, V. M. Ignatov. Khim. i tekhn. topl. i masel 12 no. 4 49-52 Ap '67.
- GREAT BRITAIN—LAND TENURE**
Mironova, E. V. [Agrarian relations in Great Britain and their influence upon the development and distribution of agriculture] Agrarnye otnosheniya v Velikobritanii i ikh vliyanie na razvitiye i razmeshcheniye sel'skogo khozaystva. [Saratov] Izd-vo Saratovskogo univ., 1968, 84 p., maps.
(CSI-H)
- GREAT BRITAIN—LIBRARIES**
Libraries of Great Britain (materials of an official trip) A. N. Il'mova, V. V. Jakelajus, P. I. Skripkina. Bibliotekoved. i bibli. za. rub. no. 21 83-102 '67.
- GREAT BRITAIN—MINE INSPECTION**
Mine inspection in England. Bezop. truda v prom. 10 no. 10 59 O '68.
- GREAT BRITAIN—RUSSIAN STUDIES**
Early history and development of the Anglo-American historiography of the February Revolution in 1917. G. Z. Ioffe. Ist. SSSR no. 2 137-159 Mr-Apr '67.
- GREECE—FOREIGN CORRESPONDENTS**
No peace under the olive trees. N. Bragin. Zhurnal. no. 2 63-65 F '67.
- GREECE—MINES AND MINERAL RESOURCES**
The trial of cases concerning the mines in Athens in the fourth century B. C. L. M. Glushkina. Vest. drev. ist. no. 1 18-50 Ja-Mi '67.
- GREECE—POLITICS AND GOVERNMENT**
Against whom is the operation "Pyrrhus" directed? Nov. vrem. 25 no. 20 2-4 Mi '67.
A dangerous turn in Greece. N. Belov. Nov. vrem. 25 no. 19 15 My '67.
Greece after the coup d'état; newspaper reviews. A. Voronov. Nov. vrem. 25 no. 23 9-6 Fe '67.
The struggle of the people of Greece. O. T. Sekhman. Agitator 34 no. 8 60-61 Ap '67.
- GREEK ORATIONS**
Orations of Isocrates (collimation). Translated from the Greek. Vest. drev. ist. no. 1 215-231 Ja-Mi '67.
- GREEN MANURING**
Green manuring of citrus plantations. M. L. Bziava. Subtrop. kul. no. 4 13-17 '66.
- GREENHOUSE MANAGEMENT**
Starting plots in hydroponic growing of vegetables in greenhouses. K. A. Shulin, P. F. Bakimov. Vestn. AN BSSR. Ser. sel'sk. hosp. nauk. no. 1 43-47 '67.
- GREENHOUSES—HEATING AND VENTILATION**
Heating greenhouses by natural gas. S. A. Shmel'fonig. Gaz. prom. 12 no. 4 28-29 Ap '67
- GREEN'S FUNCTIONS**
Green's functions in the Dirichlet problem. N. V. Krylov. Usp. mat. nauk 22 no. 2 116-118 Mh-Apr '67.
Method of Green's functions and the theory of stripping reactions S. G. Kadmen'skii. Izd. fiz. 5 no. 1 758-763 Ap '67.
Some asymptotic formulae for spectra of the first and third boundary value problems. S. I. Ginzburg. Teor. funk., funk. anal. i ikh prilozh. no. 3 117-134 '68.
- GREISEN—ANALYSIS** see subdivision under Pskem Valley
- GRICHUK, VLADIMIR POLIKARPOVICH, 1907-**
Vladimir Polikarpovich Grichuk; on his 60th birthday. P. M. Borisov and others. Izv. AN SSSR. Ser. geog. no. 2 153-154 Mr-Apr '67.
- GRIGOR'EV, APPOLON, 1822-1898**
Appolon Grigor'ev about M. U. Lermontov. A. P. Marchuk. Uch. zap. MGPI 248 119-138 '66.
- GRINBERG, ALEKSANDR ABRAMOVICH, 1808-1966**
Aleksandr Abramovich Grinberg, an obituary. Zhur. neorg. khim. 12 no. 4 835-841 Ap '67.
- GRINDING AND POLISHING**
Device for grinding slide gates. Energ. i elektr. no. 2 52 Mh-Apr '67.
- Diamond grindability of hard alloys. N. V. Nadezhkina, N. A. Kalygina. Stan. i inst. 38 no. 1 30-31 Ap '67.
- Diamond machining of seats and valves of automobile and tractor engines. V. V. Sagaido, Zh. A. Sedlitz. Tekh. org. proizv. no. 2 84-86 Mh-Apr '67
- Effect of conditions of diamond contour grinding on the wear of grinding wheel and the roughness of machined surface. B. D. Dmitenko. Izv. vys. ucheb. zav., mashinost. no. 1 148-152 '67
- Effect of the characteristics of A2P-type diamond wheels on the results of profile and contour grinding B. D. Danilenko. Izv. vys. ucheb. zav., mashinost. no. 2 116-120 '67.
- Effect of the method of grinding and lapping on the strength of cutting tools with hard-alloy tips G. A. Cherenko. Izv. vys. ucheb. zav., mashinost. no. 2 121-125 '67.
- Lap grinding by the diamond smoothing method I. G. Gerasimov. Vest. mashinost. 47 no. 4 96-97 Ap '67.
- [Grinding and polishing glass. Translated from the Czech] Shilfova i polirovanie stekla. Pod rukovodstvom Irat. Geol. Obnrb. Zdenek Kozl. i dr. Leningrad, Stroizdat, 1967 279 p.
- Kirin, T. S. [External centerless grinding of cylindrical parts under conditions of small-lot production] Opyt naruzhnogo bescentrovogo shlifovaniya izdelii tsel'skikh detalей v uslovnykh melkoserijnogo proizvodstva. [Moskva, Gosintil, 1967] 16 p. (Peredovye nauchno-tekhnicheskie i proizvodstvennyye opyty)
- Lapping steel tools with synthetic diamond wheels. I. P. Zakharenko and others. Mashinost. i inst. no. 1 12-13 Ap '67.
- Quality of surface layer in grinding with diamond wheels on bakelite binder V. I. Potemkin and others. Stan. i inst. 38 no. 3 20-22 Mh '67.
- GRINDING MACHINES**
Grinding, sharpening and finishing machines. B. T. Bruev. Stan. i inst. 38 no. 5 6-13 My '67
Empirical dynamic characteristics of circular grinding machines. M. A. Pechan, V. L. Dambin. Stan. i inst. 38 no. 3 15-16 Mh '67.
Machine for grinding springs. G. V. Shirobakin, V. V. Shirobakin. Mashinost. i inst. no. 1 11 Ap '67
Mechanization of lapping. A. I. Zhabin and others. Mashinost. i inst. no. 1 10 Ap '67.
Rated analysis of the smoothness of several processes of grinding units. V. V. Kambaskain. Stan. i inst. 38 no. 4 1-10 Ap '67.
Rigidity of the end-grinding machines and establishment of norms for it. I. V. Brilev. Stan. i inst. 38 no. 3; 16-17 Mh '67.
Working rigidity of the 3A6M grinding machine. M. P. Bondar, A. M. Davidov. Tekh. org. proizv. no. 2 68-71 Mr-Apr '67.
- GRINDING MACHINES—ATTACHMENTS**
Attachment for grinding compressor crankshaft. B. P. Stavalov. Avt. transp. 15 no. 1 '67 Ap '67.
- GRINDING MACHINES—COOLING**
Optimum conditions for grinding under jet-pressure cooling outside the area. I. V. Khutubin, A. N. Samsonov. Stan. i inst. 38 no. 1 18-21 Ap '67
- GRINDING MACHINES—NUMERICAL CONTROL**
Closed numerical system of automatic control of the process of centerless grinding L. S. Ampul'skii. Tekh. org. proizv. no. 2 113-117 Mr-Apr '67
- GRINDING MACHINES—VIBRATION**
Effect of vibrations on cutting forces and the wear of grinding wheel in diamond grinding. A. M. Davidson. Stan. i inst. 38 no. 3 22-23 Mh '67.
Establishing norms for vibrations of circular grinding machines in idle running. D. A. Matulevich, B. A. Tomshon, A. A. Gapshteyn. Stan. i inst. 38 no. 1 13-14 Mr '67.
- GRINDING WHEELS**
Abrasive materials and tools. G. M. Ippolitov. Stan. i inst. 38 no. 5 42-43 My '67.
- GRINDING WHEELS—TESTING**
Criteria for the evaluation of performance of grinding wheels. G. B. Lur'e. Vest. mashinost. 47 no. 4 71-75 Ap '67.
- GRISIN**
Use of milk germs in the production of feed grisin. A. I. Pankratov, T. N. Rakova. Fein. i spic. prom. 33 no. 3 22-25 '67.
- GRODNO—TELEVISION—PRODUCTION AND DIRECTION**
"Passport" of a studio. S. Gorbunov. Sov. radio i tel. 9 no. 8 24 '68.
- GROSS NATIONAL PRODUCT** see subdivision under United States
- GROUND SQUIRRELS** see subdivision under Ukraine
- GROUND SQUIRRELS—EXTERMINATION** see subdivision under Kazakhstan; Odessa Province; Ural'sk Province
- GROUPS, THEORY OF**
A class of finitely defined groups. V. V. Sokolova. Dokl. AN SSSR 172 no. 6 1276-1277 F '67.

- HAFNIUM SULFATE**
Reaction of zirconium and hafnium sulfates with potassium tetracyanide in aqueous solutions. N. F. Savenko, I. A. Shchuk. Ukr. khim. zhur., 33 no. 3:233-240 '67.
- HAFNIUM-TITANIUM ALLOYS—OXYGEN CONTENT**
Studying the oxidation process of hafnium-titanium alloys. I. I. Korobkov, I. P. Barinov, V. V. Osypov, Izv. AN SSSR. Met., no. 2:210-218 Mr.-Ap '67.
- HALIDES**
Complex formation of N-vinylindole with molecules of halogens and hydrogen halides. M. F. Shostakovskiy and others. Dokl. AN SSSR 173 no. 3:503-504 Mr '67.
- HALL EFFECT**
Band structure of lead telluride from the Hall effect measurements at high temperatures. A. A. Andriyev, V. N. Radionov. Fiz. i tekhn. poluprov. 1 no. 2:154-167 F '67.
Effect of a transverse electric field on the mobility of the photocurrent carriers in CdS single crystals. I. M. Shtrishov, O. V. Snitko, V. A. Tsiaga. Fiz. i tekhn. poluprov. 1 no. 3:415-419 Mr '67.
Effect of an electric field on the magnetoresistance and Hall effect in polar semiconductors with a nonparabolic dispersion law. N. N. Gligor'ev, I. M. Dykman, P. M. Tomchuk. Fiz. i tekhn. poluprov. 1 no. 1:132-135 Fa '67.
Effect of the concentration gradient of current carriers in Inb on the field dependence of the magnetoresistance and of the Hall effect. O. Mosanov. Fiz. i tekhn. poluprov. 1 no. 3:391-396 Mr '67.
Electrophysical properties of compensated indium arsenide. M. I. Ilyitsyn, E. V. Solov'eva. Fiz. i tekhn. poluprov. 1 no. 1:72-73 Ja '67.
Hall effect and electric resistance of vanadium in the 20°-300°K temperature range. E. B. Yanfin. Izv. A. Koval'skaya, Izv. Z. Kovdina. Fiz. i tekhn. poluprov. 9 no. 3:905-908 Mr '67.
Hall effect and magnetoresistance in n-InSb. P. I. Baranski, O. P. Gorodnichii. Fiz. i tekhn. poluprov. 1 no. 2:255-259 F '67.
Hall effect in a p-type p-Ga. V. F. Bannala, L. M. Gershenzon, L. B. Litvak-Gorskaya. Fiz. i tekhn. poluprov. 1 no. 4:603-606 Ap '67.
Hall effect in an Invar alloy at low temperatures. E. P. Svizina, I. V. Nemchinov. Fiz. i tekhn. poluprov. 9 no. 3:704-705 Mr '67.
Hall effect in titanium monoxide at high temperatures. O. A. Golikova and others. Fiz. i tekhn. poluprov. 1 no. 2:293-295 F '67.
New methods for measuring Hall effect. I. F. Gigin, V. N. Iutskii. Radiotekhn. i elektron., 12 no. 2:303-322 F '67.
Radiation stability of a n-silicon Hall transducer. L. S. Parfen'eva, M. S. Seminskii, G. A. Ily'eva. Fiz. i tekhn. poluprov. 1 no. 2:412-413 F '67.
Studying the field and concentration dependencies of Hall coefficient in n-germanium single crystals in intermetallic and strong magnetic fields. P. I. Baranski, I. V. Dakhovskii, P. M. Kunito. Fiz. i tekhn. poluprov. 1 no. 2:178-182 F '67.
- HALLUCINATIONS AND ILLUSIONS**
Methodologies for creating in pilots artificial illusions of spatial position during flights in pilotage simulators. E. A. Deriavkina, V. G. Kuznetsov. Voen.-med. zhur., no. 4:60-61 Ap '67.
- HALOGENATION**
Bromination and iodination of trialkyltinhydrosilanes. M. I. Shostakovskii, V. N. Komarov, O. G. Al'osha. Izv. AN SSSR. Ser. khim., no. 3:693-694 Ap '67.
Fluorine-containing polyhalogenated phenols. G. P. Tataurov and others. Zhur. ob. khim. 37 no. 3:671-684 Mr '67.
Pinacolin-type rearrangement in halogenation of tertiary unsaturated alcohols. I. V. Bozhikov, V. R. Kartashov, T. I. Tennikova. Zhur. org. khim. 3 no. 4:699-671 Ap '67.
- HALOPERIDOL—PHYSIOLOGICAL EFFECT**
Effect of haloperidol on the central nervous system. V. V. Vinogradov and others. Farm. i toks., 30 no. 2:131-131 Mr.-Ap '67.
- HAMSTERS**
Zonal fur deliveries as an index of animal populations, as exemplified by the hamster. V. M. Neronov, N. V. Tupikova. Mat. k. pozn. fauny i flory SSSR, Old, zool., no. 4:188-198 '67.
- HAMSTERS—GENETIC RESEARCH**
Karyotype shifts in mixed cultures of aneuploid cells in Chinese hamsters. A. F. Zakharov, N. A. Egorina. Genotika, no. 3:92-100 Mr '67.
- HAPTOGLOBIN**
Cleavage of dog haptoglobin molecule into polypeptide chains. V. D. Uspenskaya, M. V. Pleskova, M. I. Nedel'eva. Biokhimiya 32 no. 2:317-353 Mr.-Ap '67.
- HARD FACING**
Increasing the life of dies for forging and sheet-metal work by electric arc hard facing methods at "Anzher-ski" and "Kuznetski" Machine Manufacturing Plants. E. Savitskii, V. Gorchik. Trudy NNIP PMASH no. 135-145 '63.
Thermomechanical treatment of metals with weaving arc hard facing. G. S. Trofimov, V. S. Isagimov, E. L. Levin. Svar. prozv., no. 4:11-13 Ap '67.
- HARD FACING—EQUIPMENT AND SUPPLIES**
Consumable tips with ceramic flux for electric slag hard facing. D. B. Zolotarevskii and others. Svar. prozv., no. 1:36-37 Ap '67.
- HARDNESS**
Microhardness of germanides of some transition metals. V. N. Bondarev, V. P. Perninov, V. A. Podergin. Izv. AN SSSR. Neorg. mat., 3 no. 1:707-708 Ap '67.
- HARDWOODS**
Use of hardwood incense. V. O. Volkov. Bum. prom., no. 2:28-30 F '67.
- HARES**
Fluctuations in gray hare population in the European part of the U.S.S.R. V. V. Gruzdev. Mat. k. pozn. fauny i flory SSSR, Old, zool., no. 11:63-61 '67.
- HARMONIC FUNCTIONS**
Difference inequalities for functions harmonic in a circle. A. T. Timan, V. N. Trofimov. Dokl. AN SSSR 173 no. 1:777-780 Ap '67.
Set of singularities of metaharmonic functions. A. A. Kozmanova, A. V. Meis. Mat. zap. Ural. mat. ob-va URGU 5 no. 2:66-10 '65.
- HARPACTICIDAE** see subdivision under Black Sea
- HASKOVEC, LADISLAV, 1886-1944**
Ladislav Haskovec the founder of Czechoslovak neurology. Miloslav Matisek. Zhur. nevz. i psikh. 67 no. 1:502-503 '67.
- HASTINGSITE**
Hydrothermal synthesis of iron cordierite in experiments on synthesis of ferrihastingsite. I. I. Malinovskii. Dokl. AN SSSR 173 no. 4:893-894 Ap '67.
- HAWTHORNE, CALIF.—ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT**
Origin of the doctrine of "human relations." S. A. Akovleva. Nauch. dokl. vyz. shkoly. Khim. nauch. 10 no. 4:95-101 '67.
- HAY—HARVESTING**
Transverse resistance of tractor-mounted hay stackers and loaders. R. S. Galadzhiev, I. A. Ignatenko, I. S. Katar'ian. Trakt. i sel'khoz. mash., no. 4:27-28 Ap '67.
- HAYDN, JOSEPH, 1732-1809**
Byphesus and Marydice. L. Akulov. Sov. radio i tel., 6 no. 2:21 '60.
- HEALTH RESORTS, WATERING PLACES, ETC.** see subdivision under Borovoye (Kokchetav Province), Kirtlovka (Zaporozh'ye Province); Kislovodsk
- HEALTH RESORTS, WATERING PLACES, ETC.—MANAGEMENT** see subdivision under Ukraine
- HEARING**
How to develop speech hearing. S. Ivanova. Doshk. vosp., 40 no. 4:61-69 '67.
- HEART—BLOOD SUPPLY**
Characteristics of the changes in the cardiac blood supply in acute stage of myocardial infarct in cats following introduction of sitophanthin. I. A. Vechlova, V. S. Kondrat'ev. Farm. i toks., 30 no. 2:162-166 Mr.-Ap '67.
Histohemical characteristics of senile degeneration of the internal elastic membrane of intramural arteries of the myocardium. T. G. Chumakov. Arkh. pat., 20 no. 1:58-63 '67.
- HEART—DISEASES**
Capacity for work in Federick's syndrome. B. N. Atonovich. Sov. med., 30 no. 3:145-146 Mr '67.
Lymphatic bed of the heart in rabbits under normal conditions and in experimental pathology. M. G. Amosov. Arkh. anat., gist. i embi., 52 no. 4:77-86 Ap '67.
Meerson, F. Z. [Myocardium in cardiac hyperfunction, hypertrophy and insufficiency] Miskard pri gl'bozifunktsii, gl'bozifunktsii i nedostatochnosti serdtsa. Moskva, Medicina, 1965, 318 p. (DNLM)
Pathogenesis of acute cardiac insufficiency following surgery on the open heart. V. I. Burakovskii, S. I. A. Kisa, G. D. Knazeva. Vest. AMN SSSR 22 no. 4:61-74 '67.
Significance of the tomography of vessels and the left auricle in the diagnosis of cardiac defects. A. V. Musarova, E. A. Gligorian, G. V. Shlyakov. Vest. rent. i rad., 12 no. 2:64-69 Mr.-Ap '67.
X-ray diagnosis of defects of the interventricular septum in the light of studying hemodynamics and surgical treatment. P. N. Romashov, G. G. Abramishvili, R. R. Golonko. Vest. rent. i rad., 12 no. 2:75-80 Mr.-Ap '67.
- HEART—EXAMINATION**
Determination of cardiac output by means of the modification. M. I. Givchik and others. Fiziol. zhur., 53 no. 3:350-354 Mr '67.
- HEART—HYPERTROPHY AND DILATATION**
Pregnancy and labor in atrio-megaly. I. V. Vanina, N. I. Soshkina, G. A. Shilova. Sov. med., 30 no. 3:120-129 Mr '67.
- HEART—INFARCTION**
Characteristics of the changes in the cardiac blood supply in acute stage of myocardial infarct in cats following introduction of sitophanthin. I. A. Vechlova, V. S. Kondrat'ev. Farm. i toks., 30 no. 2:162-166 Mr.-Ap '67.
Current problems in studying the mechanisms of organization and development of myocardial infarct. I. K. Shklyavitskaya, M. F. Raskina. Vest. AMN SSSR 22 no. 1:19-26 '67.
Effect of para-aminobenzoic acid on the course of experimental myocardial infarct. T. A. Melnikova, A. F. Ryzhova. Biol. eksp. biol. i med., 63 no. 1:61-61 Ap '67.
Indications and contraindications for surgical treatment in cardiac aneurysm and selection of the operative technique. D. A. Velikotskii. Sov. med., 27 no. 8:32-36 Ag '63.
Myocardial infarct in young persons. G. A. Nikitina. Vest. AMN SSSR 22 no. 1:77-81 '67.
Vascular baroreceptors in experimental myocardial infarct. F. B. Khaleman, B. M. Fedorov, N. A. Pechezova. Biol. eksp. biol. i med., 63 no. 5:117-120 My '67.
- HEART—INNERVATION**
Reflex self-regulation of the heart. Report No. 2: Effect of activity of cardiac branches of vagus nerves in cardio-cardiac reflexes. G. F. Samonin, M. A. Ily'ev. Nauch. dokl. vyz. shkoly, biol. nauch. 10 no. 3:33-36 '67.
- HEART—MUSCLE**
Distribution of lipoprotein lipases in the myocardium of a reptile and hungry animals. F. I. Leiten, B. I. Lemper. Dokl. AN SSSR 173 no. 3:694-695 Mr '67.
Effect of decoumarin on Pautou effect and content of nucleotide phosphorus compounds in the myocardium in toads. I. A. Zaidler, R. A. Bul'kala. Farm. i toks., 30 no. 2:105-108 Mr.-Ap '67.
Effect of the intensity of the contractile function of myocardium cells on DNA synthesis in cells of the interstitial connective tissue of myocardium. F. Z. Meerzon, G. M. Alekhina. Dokl. AN SSSR 173 no. 5:1222-1225 Ap '67.
- Meerson, F. Z.** [Myocardium in cardiac hyperfunction, hypertrophy and insufficiency] Miskard pri gl'bozifunktsii, gl'bozifunktsii i nedostatochnosti serdtsa. Moskva, Medicina, 1965, 318 p. (DNLM)
State of the myocardium in rabbits following chronic gamma irradiation. F. I. Vorob'ev. Arkh. anat., gist. i embi., 52 no. 1:10-25 Ap '67.
- HEART—RADIOGRAPHY**
Commenting attachment and chair for electrocardiographic examination of persons with the VKS-01 apparatus. V. I. Stepanov and others. Voen.-med. zhur., no. 4:84-85 Ap '67.
Significance of the tomography of vessels and the left auricle in the diagnosis of cardiac defects. A. V. Musarova, E. A. Gligorian, G. V. Shlyakov. Vest. rent. i rad., 12 no. 2:64-69 Mr.-Ap '67.
Some changes in the X-ray picture of the heart and pulmonary circulation following electric defibrillation in initial defects. V. P. Radushkevich and others. Vest. rent. i rad., 12 no. 2:69-71 Mr.-Ap '67.
- HEART—SOUNDS**
Prevention and treatment of asphyxiation of the fetus and the newborn. L. S. Pustaninov. Sov. med., 27 no. 8:36-37 Ag '63.
- HEART—SURGERY**
Experience with anesthesia in surgical treatment of congenital heart defects in young children. V. A. Kovancev, P. I. Belonin, M. A. Shumilov. Vest. AMN SSSR 22 no. 4:61-64 '67.
Indications and contraindications for surgical treatment in cardiac aneurysm and selection of the operative technique. D. A. Velikotskii. Sov. med., 27 no. 8:32-36 Ag '63.
Indications for surgical treatment in stenocardia. A. V. Ovchinnikov, B. M. Lipovetskii. Sov. med., 27 no. 8:36-41 Ag '63.
Pathogenesis of acute cardiac insufficiency following surgery on the open heart. V. I. Burakovskii, S. I. A. Kisa, G. D. Knazeva. Vest. AMN SSSR 22 no. 4:61-74 '67.
Results of surgical treatment of postinfarct cardiac aneurysm under conditions of artificial blood circulation. A. V. Pokrovskii and others. Vest. AMN SSSR 22 no. 4:74-78 '67.
- HEART—TUMORS**
Congenital multiple rhabdomyoma of the heart. T. S. Polyakovskii. Arkh. pat., 20 no. 3:87-89 '67.

HELICOPTERS—PILOTING

Piloting Mi-6 in mountain. A. Solodovnikov, I. Khatup-tsev, Av. i kosm., no. 145-146 Ap '67.

HELIUM

Helium continues to fascinate us M. I. Kaganov Priroda no. 311-18 Mr '67

HELIUM ISOTOPES

Observing He2 behavior in ZrT2 compound and in tri-
tium. V. P. Vaitshny and others, Atom. energ. 22 no. 3, 217-237 Mr '67.

HELMINTHOLOGY—CONGRESSES

Vsesoyuznoe obshchestvo gel'mintologov. [Materials for the Scientific Conference of the All-Union Society of Helminthologists, December 1966] Materialy k nauchnoi konferentsii Vsesoyuznogo obshchestva gel'mintologov, dekabr' 1966 g. Moskva, Pt. 1, 1966. 326 p. (DNL)

HEMAGGLUTININ

Scmlectraction period of hemagglutinins in intact and irradiated mice of the CBA strain L. V. Petrova, Bul. eksp. biol. i med. 63 no. 4 71-76 Ap '67.

HEMATITE—MAGNETIC PROPERTIES see subdivision under Soviet Central Asia

HEMATOLOGY—ATLAS

Ianovskii, D. N., and M. A. Chepeleva. [Atlas of clinical hematology, a brief manual for workers of clinical laboratories] Atlas klinicheskoi gematologii, kratkoe rukovodstvo dlia laborantov klinicheskikh laboratorii. Kiev, Zdorov'ia, 1967 30 p. illus. (DNL)

HEMATOPOIESIS

Changes in the hematopoiesis in dogs in acute renal insufficiency caused by heterotransfusion T. I. Korotkova, Pat. fiziol. i eksp. i terap. 11 no. 2 59-61 Mr-Apr '67.

Effect of combined influence of X-ray irradiation and cholestanol on medullary hematopoiesis S. L. Potapov Med. i biol. 12 no. 116-19 Ap '67

Morphological and cytochemical study of hematopoiesis elements in rats subjected to the effect of RNA isolated from leukemic tissue. Z. A. Butenko, D. I. Gluzman, A. A. Voloboeva, Vop. eksp. onk. no. 2 60-70 '66

HEMATOPOIETIC SYSTEM—DISEASES

Some infectious complications in surgical diseases and diseases of the hematopoietic system. A. N. Chistovich Voen.-med. zhur. no. 3 20-23 Mr '67

HEMPTERA

Auxiliary plates of the hind wing of Hemiptera. L. V. Ouchkova, Dop. AN URSS no. 1101-107 '61.

HEMOGLOBIN

Comparative study of hemoglobins from root nodules of soybean, broad bean and lupine by disc electrophoresis in polyacrylamide gel. A. V. Peleva and others, Dokl. AN SSSR 173 no. 4 956-959 Ap '67.

Effect of adenine on hemoglobin metabolism. T. V. Pokhm, Bul. eksp. biol. i med. 63 no. 5 22-24 My '67.

Effect of erythrocyte age on location of hemoglobin Soret band and on methemoglobin formation process. L. F. Gorn, Biokhimiia 32 no. 2 316-322 Mr-Apr '67.

HEMOLYMPH

Hemolymph proteins in different silkworm breeds. I. U. B. Filipovich, M. I. Mileva, Prikl. biokhim. i mikrobiol. 3 no. 2 192-197 Mr-Apr '67.

HEMOLYSIS AND HEMOLYSINS

Effect of some antiserumogenic antibiotics on the development of hemolysis under experimental conditions. V. A. Liaschenko, L. P. Kolesnikova, Antibiotiki 12 no. 4 319-315 Ap '67.

Origin of tissue hemolysins. G. I. Bokov, Trudy Oren. old. Vses. fiziol. ob-va no. 3 17-27 '61.

HEMORRHAGE

Effect of camphor and its mixture with mesatone on lymph secretion in dogs following massive bloodlettings replaced by isotonic solution of sodium chloride. I. U. P. Safonov, Farm. i toks. 36 no. 2 168-169 Mr-Apr '67.

Effect of loss of blood on the functional state of the liver. I. M. Netko, Bul. eksp. biol. i med. 63 no. 1 39-41 Ap '67

Effect of algetin on the heartbeat of fetus following hemorrhage in the pregnant animal. G. A. Shcherba-chenko, Bul. eksp. biol. i med. 63 no. 4 65-37 Ap '67.

HEMP—GENETIC RESEARCH

Some characteristics of flowering of dioecious and monoecious forms of hemp hybrids and their parents. A. I. Polipenko, TSit. i gen. 1 no. 2 47-53 Mr-Apr '67.

HEPARIN

Changes in endogenous heparin and its role in protective antineoplastic reactions of the body. E. B. Sopotsinskaya, Vop. eksp. onk. no. 2 165-171 '66.

HEPATITIS, INFECTIOUS

Chronic hepatitis and cirrhosis of the liver caused by Botkin's disease. P. I. A. G. Igolev, N. P. Kukina, Sov. med. 27 no. 8 34-60 Ig '63

Evaluation of biochemical and isotope examination methods in patients having had infectious hepatitis P. K. Statseva, S. A. Mokatenko Med. rad. 12 no. 4 69-61 Ap '67

Study of microelement metabolism in infectious hepatitis by neutron activation method G. V. Kvatshvili and others, Soob. AN Gruz. SSR 45 no. 2 525-530 I '67

HETANOK ACID

Coefficients of the evaporation and rectification of ananthic ester. L. E. Vysotskaya, Izv. vvs. ucheb. zav. pishch. tekhn. no. 2 150-160 '67.

HEPTENE

Liquid-phase hydrogenation of 1-heptene on skeletal nickel-ruthenium catalysts D. V. Sokol'skii and others, Izv. AN Kazakh. SSR Ser. khim. 17 no. 2 19-53 Mr-Apr '67

HEPTULOSONIC ACID

Synthesis of 3-deoxy-D-Arabinohexaptulosonic Acid, biological precursor of aromatic amino acids. M. N. Mikhaleva, I. P. Davydova, G. I. Samokhvalov Dokl. AN SSSR 173 no. 2 367-369 Mr '67

HERBICIDES

(see also subdivision under Kazakhstan)

Effect of chemical weed control combined with nitrogen fertilization on the growth and yield of corn G. F. Otkhovskii, [Trudy] KISRAIF 57 31-38 '66.

Effect of herbicides on the development of soil microflora in Red soils of western Georgia. V. D. Gogundze, Subtrop. kult. no. 4 156-160 '66.

Effectiveness of herbicides. N. I. Chuk and others, Zashch. rast. 12 no. 1 28-29 '67.

Effectiveness of the use of sodium trichloroacetate with simazine and dalapon in orchards in Leningrad Province. A. M. Sofinskii, Khim. v sel' khoz. 5 no. 1 10-11 Ap '67

Herbicidal activity and the synthesis of pichloram and some other 2-picolone derivatives. I. U. V. Shcheglov and others, Agrokhimia no. 5 105-116 My '67.

Herbicides in grain fields G. A. Markelov, Zashch. rast. 12 no. 4 39-41 '67.

Results of testing herbicides in orchards of Irkutsk Province. V. A. Anplov, Khim. v sel' khoz. 5 no. 1 41-42 Ap '67.

Testing herbicides. M. A. Bzikov and others, Zashch. rast. 12 no. 4 37-39 '67.

Use of collector waters treated with herbicides for cotton irrigation. K. A. Beisunova, Khim. v sel' khoz. 5 no. 1 17-19 Ap '67.

Use of herbicides in sunflower fields. N. Babek, Zashch. rast. 12 no. 5 39-40 '67.

Use of triazines for chemical weed control in pea fields. I. V. Selezovskii, Zashch. rast. 12 no. 5 30-31 '67.

HERBICIDES—CONGRESSES

All-Union Conference on Herbicides. V. F. Iadonin, Khim. v sel' khoz. 5 no. 1 78-79 Ap '67.

HERBICIDES—FIELD EXPERIMENTS see subdivision under Kazakhstan

HERNIA

Alloplasty of postoperative and recurrent hernias D. M. Tseretsein, Sov. med. 30 no. 3 89-91 Mr '67

Combination of isolated intestinal invagination with Treitz's hernia. G. G. Guiova, III. A. Lovchev Khirurgia 13 no. 1 142-143 Ap '67

Invagination of the ileum with strangulation through fecal fistula A. I. Borisov Khirurgia 13 no. 1 146-147 Ap '67

Strangulated hernia in elderly and senile patients. S. A. Zashch. Khirurgia 43 no. 1 68-72 Ap '67

HEROES

(see also subdivision under Vilnius)

[Heroes and heroism] Gerol i podvigi. Saratov, Pri- volzhskoe knizhnoe izd-vo, 1966. 189 p. (CST-R)

HERRING see subdivision under Atlantic Ocean; Danube Valley

HERTFORDSHIRE COUNTY, GREAT BRITAIN—LIBRARIES

The Hertfordshire County Library. L. V. Paulina, Biblio- tekoved. i bibl. za ish. no. 21 101-109 '67.

HETEROCYCLIC COMPOUNDS

Biogenesis of natural oxygen containing heterocyclic compounds. N. S. Vol'fson, I. S. Chetverikova, Trudy Bot. inst. Ser. 6 no. 12 11-23 '65.

Chemistry of free radicals of the hydrazine series. Part 46 Hydrazyl heterocyclic biradicals. D. P. El'chikov, R. O. Matevosian, V. V. Suvornova, Zhur. org. khim. 3 no. 3 564-568 Mr '67.

Isoxanzolidine. Part 5: Effect of electrophilic reagents on 8-nitrosoxanzolidines. V. A. Tartakovskii and others, Zhur. org. khim. 3 no. 4 765-773 Ap '67.

HETEROSIS

[Use of heterosis in animal husbandry] Ispol'zovanie geterozisa v zhivotnovodstve. Barnaul, Altalskoe knizhnoe izd-vo, 1966. 150 p. (DNL)

HETEROSTRACI

Swimming accommodation in scale ostracoderm of the subgenus Heterostraci. V. N. Iakovlev, Dokl. AN SSSR 173 no. 3 722-724 Mr '67.

HETMANS see subdivision under Ukraine

HEUSINGER, ADOLF, 1807-

V. I. Ivanov, V. Lebedev, Agitator no. 1 51-52 Ja '62.

HEXANE—THERAPEUTIC USE

Effect of algetin on the heartbeat of fetus following hemorrhage in the pregnant animal. G. A. Shcherba-chenko, Bul. eksp. biol. i med. 63 no. 1 65-67 Ap '67

HEXANOLIC ACID

Studying the kinetics of the formation of 6, 6'-nitro- hydroxyiminohexanoic acid in the oxidation of cyclo- hexanol by nitric acid. V. A. Pichora/henokii, A. M. Gol'd- man, M. S. Furman Khim. priro. 13 no. 2 11-7 I '67.

HEXENYNOL

Synthesis of 1-phenyl-3,5-dimethyl-1-hexen-1-yn-3-ol A. I. Nogadell, K. I. A. Dzagidze Trudy Tbil. GU 74 153-157 '69

HEXONIUM

Combined action of aniline and hexonium on water diure- sis L. G. Poplavskii, Trudy Oren. old. Vses. fiziol. ob-va no. 3 266-269 '61.

HIDES AND SKINS

(see also subdivision under Siberia, Ural Mountain region)

Age-related changes in skin and hair coat of rabbits. K. M. Eremeeva Trudy Mosk. vet. akad. 16 167-173 '57.

Nature of defects of red fox pelts A. A. Konukhovich, Trudy Mosk. vet. akad. 16 158-166 '57

HIGH BLOOD PRESSURE see Hypertension

HIGH MOLECULAR WEIGHT COMPOUNDS see Macro- molecular compounds

HIGH PRESSURE (SCIENCE)

Studying rocks under high pressures and temperature of shock-wave compression. R. F. Trutnev and others, Izv. AN SSSR, Fiz. zem. no. 9 1-12 '65.

HIGH PRESSURE RESEARCH

Measuring the velocity of longitudinal elastic waves in rock samples at pressures up to 10,000 kg/cm². M. P. Volatovich, A. I. Levyin Dokl. AN SSSR 165 no. 6 1287-1289 Ap '65.

HIGH TEMPERATURE MATERIALS see Materials at high temperatures

HIGH TEMPERATURE METALLURGY see Metals at high temperatures

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS

Our best men, Av. transp. 46 no. 4 6-7 Ap '67.

HILBERT SPACE

Chain connection of open systems with respect to com- munication channels M. Sh. El'sker, Teor. funk. i yad. anal. i ikh prilozh. no. 3 269-280 '66.

Contractibility in Hilbert space. F. A. Sholokhovskii, Dlf. urav. 3 no. 3 470-484 Mr '67.

Factor representations of type II₁ for Clifford's algebra. V. I. Golodets, Dokl. AN SSSR 173 no. 4 745-747 Ap '67.

Integrals over an orthoprojector chain. A. M. Brodskii, Izv. AN Mold. SSR no. 4 60-64 '66.

HIMALAYAS—BEARS

Himalayan bear. V. P. Sysoev, Priroda no. 3 73-75 Mr '67.

HIP JOINT—CANCER

Latest results of repeated operations for femoral cancer metastasizing into the lungs; a case report. A. P. Kolesov, Vop. onk. 13 no. 3 96-98 '67.

HIP JOINT—FRACTURE

Surgical tactics in traumatic fractures of the hip. B. I. Nikiforov, Onk., travm. i protez. 28 no. 3 7-11 Ap '67

HISTAMINE

Comparative evaluation of the histamine-liberating activity of polymyxin M and water-soluble base antibi- otics from actinomycetes. L. J. Gol'dberg, S. T. Filip- ps'ians. Antibiotiki 12 no. 2 201-207 Ap '67

Korotkiy, A. I., and I. Z. Kadson, [Problems of atheism in a school course in the history of the U. S. S. R., materials for teachers] Voprosy ateizma v shkol'nom kurse istorii SSSR, materialy dlia uchitelei. Pod red. A. I. Zatestogo. Minsk, Narodnaia asveta, 1960. 157 p.

HISTORY, ANCIENT

Gorboskii, A. A. [Riddles of ancient history; a book of hypotheses] Zagadki drevneihei istorii, kniga gipotez. Moskva, Znanie, 1966. 175 p.

HISTORY, ANCIENT—BIBLIOGRAPHY see Bibliography—History, Ancient

HODGKIN'S DISEASE

Case of isolated lymphogranulomatosis of the transverse colon. M. P. Krasavets. Arkh. pat. 29 no. 3 76-78 '67.

HOISTING MACHINERY

Drive efficiency of hoisting mechanism and pumps of drilling rig. V. V. Vysok, V. N. Dauticov. Mash. i Elektromash. no. 1 38-42 '67.

Efficient scheme of rigging hoisting mechanism of drilling rig. M. V. Bukhshteyn. Neftekh. 13 no. 10 23-26 O '65.

Hoist with automatic loading and unloading. I. Lezhinskii. Mas. i Mekh. SSSR 38 no. 4 22 Ap '67.

Investigating dynamics of the electromechanical system of a skip hoist. S. V. Kozhevnikov, S. K. Nestorova. Mekh. mash. no. 1/2 124-131 '66.

Lifting device. I. V. Osinichkin, I. A. Rusin, P. I. Tikhonov, Inform. Gos. nauch.-issl. inst. mash. i tekhn. inform. 20 no. 4 40-41 Ap '67.

HOISTING MACHINERY—BRAKES

Electrohydraulic pushers with mechanical brakes. A. K. Shalchuk. Stroitel. mash. 12 no. 4 33-35 Ap '67.

HOISTING MACHINERY—DYNAMICS

Contributing to theory of dynamics of elastic systems. K. V. Kulizadze and others. Izv. vys. tech. shk., Mekh. i Mash. no. 10 2 31-38 '67.

Investigating load dynamics in pulling and running of drill pipes and casings. M. I. Vorozhbitov, V. I. Pukhtenko. Mash. i Elektromash. no. 3 12-19 '67.

HOISTING MACHINERY—ELECTRIC DRIVING

Method for calculating the precision of the stoppage of a hoist cabin with an asynchronous drive. S. Iordanov. Trudy MFI no. 66 125-132 '66.

HOISTING MACHINERY—SPEED

Selecting hoisting speeds for contemporary drilling rigs with diesel-hydraulic and electric driving. V. L. Arkhangelskii. Mash. i Elektromash. no. 2 3-8 '67.

HOLMIUM ISOTOPES

Studying neutron resonances of Ho^{165} . E. N. Karzhavina and others. Fiz. i Khim. 5 no. 3 471-482 Mr '67.

HOLOGRAPHY

Holography of media with small changes of the refractive index. M. V. Stabnikov, B. G. Turukhano, A. P. Nudnikov. Zhur. tekhn. fiz. 37 no. 5 986-987 My '67.

Holography with a direct reference beam. A. P. Komut, M. V. Stabnikov, B. G. Turukhano. Dokl. AN SSSR 173 no. 5 1059-1061 Ap '67.

HOME AND SCHOOL

The family and the extended school day. E. G. Kostashkin. Sov. pedagog. 31 no. 4 47-57 Ap '67.

HOMEOSTASIS

Self-regulation of organic functions in aging. V. V. Frolov. Fiziol. zhur. 49 no. 10 1221-1229 O '63.

HONEY

British, N. P. [Bees and medicine] Pchelny i meditsina. Pod red. F. F. Talyzin. Tashkent, Meditsina, 1966. 190 p.

HONING

Honing 25Kh2GNTA alloyed steel with synthetic diamond bars. N. K. Bezzubenko, I. U. L. Nedelin. Tekh. org. proizvod. no. 2 73-75 Mr-Apr '67.

HONING—EQUIPMENT AND SUPPLIES

Honing head. Avt. izобр., 45 no. 4 156 Ap '67.

HOOKWORM DISEASE see subcategory under Tekhn. region (Georgia)

HOOKWORM DISEASE see subcategory under Tekhn. region (Georgia)

HOOTZOOIS

see Huculs

HORMONES

Savechenko, O. N. [Hormones of the ovaries and gonadotropins] Gormony i tehnika i gonadotropnye gormony. Pod red. V. G. Baranova. [Leningrad] Meditsina, 1967. 269 p.

(DNL)

HORMONES (PLANTS)

Significance of auxins in correlative inhibition of shoot formation in graminaceous plants. I. K. Kirehin, L. V. Beava. Zap. Sverd. otd. VBO no. 4 15-27 '66.

HORMONES, SEX

Anabolic and androgenic activities of the male sex hormone. L. M. Mal'nev. Izv. vuzov, Khim. i Tekhn. no. 12-14 Mr-Apr '67.

HORSES

Effect of the intravenous injection of a physical and morphological composition. I. M. Sladkov. Trudy VNIIT, 1960. 150 p.

HOSIERY, NYLON

Production of hose from the "Pilon" type. I. S. Smirnov, M. H. Krepel'. Tekhn. izобр. 46-19 O '67.

HOSPITALS—PERSONNEL MANAGEMENT

Problems of the scientific organization of the medical personnel in hospitals. V. A. Voen.-med. zhur. no. 1 11-21 Ap '66.

HOT-AIR HEATING

Gas unit for drying grain by heated air. no. 1 10-11 Ap '67.

HOURS OF LABOR

(see also subcategory under Economy)

A five-day week and two days off. A. A. Kuznetsov. 34 no. 8 75-78 Ap '67.

Following the example of Soviet workers. I. A. Dvorkin. Sov. pedagog. 29 no. 1 11-12 Ap '67.

Labor productivity in five-day workweek. I. A. Dvorkin. 16 no. 1 27-30 Ap '67.

On technical metallurgical changes in the workweek. I. A. Dvorkin and others. 16 no. 1 27-30 Ap '67.

Preparation for the transfer of workers to a 5-day workweek. M. A. Kikina. 29 no. 4 1-2 Ap '67.

Work on holidays. M. Pukhina. 10 no. 1 10-11 Ap '67.

HOUSE PLANTS

House plants in apartment. Z. S. Shenko. Dets. zhur. no. 4 14-18 '67.

HOUSEHOLD APPLIANCES, ELECTRIC

see subcategory under Alim.-Akad.

HOUSING—LAW AND LEGISLATION

Answering our readers' questions. Sov. zhur. 32 Ap '67.

Changing the population of towns as a result of reconstruction and remodeling of apartment houses. D. Vatman. Sots. zakon. no. 3 13-16 Ap '67.

Decision No. 9 of the plenary session of the Council of the U. S. S. R. on housing. 11 no. 1 1-2 Ap '67.

Our legal consultation. Sots. zakon. no. 1 1-2 Ap '67.

Roizantsev, S. N., and A. V. Shatkovskii. [Work on housing and services in the village, a handbook for the trade-union activist] Zhilishchno-bytovye usloviya spravochnik profsovetnikov. [Moskva] Pr. i tekhn. 1964. 150 p.

(CST-II)

Formulation of leases after moving from a city to a village. D. Vatman. Sov. gos. i prav. no. 5 16-17 Ap '67.

HOUSING MANAGEMENT—ACCOUNTING

Centralization of accounting in housing management. M. Byrbkov, M. Dubrovina. Buhg. zhur. 10-16 Ja '67.

HREBINKA

HREBINKA, IYVHEN PAVLOVYCH, 1912-1918 New material from the heritage of H. Hrebinka. O. Tsybanova. Rukh. zhur. 11 no. 2 76-78 O '67.

An unpublished poem by H. Hrebinka. I. Kuchuk. Rukh. zhur. 11 no. 2 76-78 O '67.

HUCULS

The 40th anniversary of the Hucul Museum in L. V. V. Hrabovutskyi. Ukr. nat. zhur. 11 no. 4 15-17 Ap '67.

HUMAN EMBRYOLOGY see Embryology, Human

HUMAN ENGINEERING

Scientific labor organization and planning for the area. V. G. Chalkov. Sots. trud. 13 no. 5 81-83 My '67.

HUMERUS—FRACTURE

Surgical treatment of fractures of the distal end of the humerus in children. I. P. Kolesnikov. Trudy travm. i protv. 28 no. 4 10-21 Ap '67.

HUMIDITY

Statistical structure of vertical profiles of temperature and humidity. V. G. Boldyrev, V. M. Olekhnich. Trudy MITS no. 11 105-111 '66.

HUMIDITY—PHYSIOLOGICAL EFFECT

A vacuum dries. L. Novitskii. Tekhn. i nauka, 25 no. 2 12-13 F '67.

HUMUS

Decomposition of the organic residues of grass mixtures in irrigated areas of southern Kazakhstan. R. S. Akhmetov. Vest sel'khoz nauki (Kazakh) 9 no. 12 12-45 D '66.

Effect of farm manure and mineral fertilizers on the resources of humus and nitrogen in turf-forest soils in subsoiling. A. K. Iakova, A. V. Morozova, Agroklimat no. 5 11-19 My '67.

HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. no. 4 '67.

HUNGARY—ECONOMIC POLICY

Problems of improving planning in Hungary. Istvan Frits Plan. khoz. 44 no. 5, 62-69 My '67.

HUNTING

Livestock, A. A. [Crane country, stories of a hunter] Zhurnalnaya i rodina, rasskazy okhotnika. [Leningrad] Lenizdat, 1968. 189 p (IEN)

Use of soporific substances on hunting farms. S. A. Polynin. Trudy Mosk vet. akad. 15 61-61 '67.

HURRICANES

Hurricane Inez. L. N. Strizhevskii. Zeml. i vesl. no. 2 51-52 Mh-Apr '67.

HUSAN, ZAKIR, 1897-

People and events. Zakir Husanin, Son Sam. Nov. i zhizn. 25 no. 20 6, 18 My '67.

HUSBAND AND WIFE

Wife into the kitchen? V. M. Khudolova. Sem'ia i shkola 22 no. 3, 1-6 Mh '67.

Therapy burden. N. Z. Valova. Sem'ia i shkola 22 no. 3, 12-13 Mh '67.

Who is at fault? E. Efimova. Doshk. vosp. 40 no. 4, 49-57 '67.

HYALURONIDASE

Antigenic testicular hyaluronidase. M. Sh. Mogilevskii. Dokl. AN SSSR 173 no. 2, 149-150 Mr '67.

Nuclease activity of Staphylococci and its relation to plasma coagulation and hyaluronidase properties. A. T. Shabotskaia, N. U. P. Kobuzhenska, Mikrobiol. zhur. 29 no. 2 117-120 Mh-Apr '67.

HYBRID CORN

Content of the complex of physiologically active substances of bios groups in the grain, embryo, hybrid endosperm, and self-pollinated corn lines. L. I. Zuki-skaya. [Trudy] KIL'SKH 57 85-91 '66.

Heterogeneity of the paternal forms of hybrid corn in regard to the vitamin B content. F. I. Matskov, I. L. Zuki-skaya. [Trudy] KIL'SKH 57 81-91 '66.

HYDANTOIN

Heterocyclic derivatives based on substituted 1,4-naphthoquinone. Part 7. Chlorination of 1-methyl-1,4-naphthoquinone. G. N. Kalbitskii, I. S. Zhur. org. khim. 3 no. 3 575-579 Mr '67.

HYDRACARINA

Materials on biology and taxonomy of water mites (Hydracarina). Report No. 6. I. A. V. of Leningrad and Hydrozoia. B. A. Valashchenko. Trudy Inst. biol. vnutr. vod. no. 12 192-198 '66.

New species of water mites (Hydracarina) from the genus Hydracarina Mull., its taxonomic position and biology. B. A. Valashchenko. Trudy Inst. biol. vnutr. vod. no. 12 181-191 '66.

HYDRATION

Strength of new hydrate formations of some slag minerals and glasses hydrated over 5-year period. V. S. Goshkov, T. A. Khmel'skaya. Zhur. prikl. khim. 40 no. 1; 775-781 Ap '67.

HYDRAULIC BRAKES

Studying the form of the operating cavity of hydrodynamic brakes. M. D. Fatalev. Za tekhn. prog. 7 no. 3, 30-34 Mr '67.

HYDRAULIC CONTROL

Effect of wave processes on the stability of a follow-up hydraulic system. V. V. Kulevich, Samoleost. i lekhn. vozd. flot. no. 7 10-13 '66.

HYDRAULIC CONVEYING

Commotion of coal during pressureless hydraulic conveying in hydraulic mines. A. P. Konischeva. Ugol' Ukr. 11 no. 3, 16-17 Mr '67.

HYDRAULIC ENGINEERING

Formula for determining maximum run-off. B. F. Porevnikov. Avi. dor. 30 no. 3, 22 Mh '67.

Laboratory studies of the mechanical wash-out of soil through holes in basins for riverbeds. Sh. S. Bobokhidze, B. D. Pavlenishvili. Trudy GPI [Gruz.] no. 2, 45-50 '64.

HYDRAULIC JACKS

Hydraulic shifters for UST plows. L. L. Levin and others. Ugol' Ukr. 11 no. 3, 34-35 Mh '67.

HYDRAULIC JACKS—DESIGN AND CONSTRUCTION

Water emulsion in the working fluid of GS hydraulic jacks. P. I. Shestov, I. L. Semenkov, N. T. Tenishev. Ugol' Ukr. 11 no. 2, 18-19 F '67.

HYDRAULIC MACHINERY

Shelov, R. N. [Hydrocyclones] Gidrotekhnika. Leningrad, Mashinostroenie, 1967. 78 p.

HYDRAULIC MEASUREMENTS

Device for measuring pressure and velocities in a flow of water. Sh. S. Bobokhidze. Trudy GPI [Gruz.] no. 2; 41-44 '64.

Pikush, N. V. [Methods and instruments for hydrometry; research and development] Metody i pribory gidrometrii, issledovanie i razrabotka. Leningrad, Gidrometeoizdat, 1967. 206 p.

HYDRAULIC MINING

(see also subdivision under Donetsk Basin, Kuznetsk Basin)

Tension of conveying rope of DK-1m rope haulage ways. I. A. Shramko and others. Vop. iud. transp. no. 9 227-237 '67.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Hydrostatic densimeter for coal-water mixtures. K. V. Dumasov, Ugol' Ukr. 11 no. 1, 28-30 Ja '67. The open-end and down-the-pitch mining system with draw cross holing mined by KG mechanical and hydraulic cutter-loaders. A. A. Grishanov, I. G. Morozov, V. K. Borkov, Ugol' Ukr. 11 no. 1, 17-18 Ja '67.

HYDRAULIC MODELS

Simulation of an arbitrary draining channel at finite depth of a water-bearing layer. S. V. Meunanglia. Soob. AN Gruz. SSR 15 no. 2, 319-321 F '67.

HYDRAULIC PRESSES—RELIABILITY

Using magnetic logical elements in an electrical circuit of a 200 T hydraulic press. L. A. Lohmanov, V. P. Riabov, Kuz. mashin. stroit. 9 no. 3, 28-30 Mr '67.

HYDRAULIC STRUCTURES

(see also subdivision under Tajikistan)

Design of arches of dams allowing for different elastic properties of the underlying rocks. N. A. Kuchaidze. Trudy GPI [Gruz.] no. 2, 173-180 '64.

Evaluation of hydraulic resistance of slot structures. I. V. Lebedev, D. B. Samuilov. Izv. vuz. ucheb. zav., energ. 10 no. 3, 81-88 Mh '67.

Gorenblum, V. Ia. [Wear resistance of the facings of hydraulic structures] Iznosostoiost' obilitsovok gidrotekhnicheskikh sooruzhenii. Moskva, Energiia, 1967. 142 p.

HYDRAULIC TURBINES

Bernstein, L. B. [Experience in the operation of horizontal axial-flow hydraulic turbines, enclosed and shaft-type units] Opyt ekspluatatsii horizontalnykh oseyvkh gidroagregatov, kapsul'nykh i shakhtnykh. Moskva, Energiia, 1968. 112 p.

Study of a model of a Francis-type turbine with a two-stage rotor. I. S. Samorakov. Izv. vuz. ucheb. zav., energ. 10 no. 4, 101-108 Ap '67.

HYDRAULICS

Kinetic energy of free currents with given forms of beds and known velocity structure. V. P. Sergiyenko. Izv. vuz. ucheb. zav., energ. 10 no. 1, 95-104 Ap '67.

HYDRAZIDES

Substituted hydrazides of oxycarboxylic acids. Part 16. 2,3-dimethylphenylhydrazides of diazyl- and dialkylglycolic acids. I. S. Beldinskii, V. A. Mal'tseva. Zhur. org. khim. 3 no. 3 519-512 Mh '67.

HYDRAZINE

Age-related changes in reactivity and regenerative ability of blood system as affected by phenylhydrazine. V. N. Nikitin, I. S. Parakova. Uch. zap. KazGU 131 66-71 '62.

Chemistry of free radicals of the hydrazine series. Part 15. Hydrazyl bisulfonates containing thiazole residues. R. O. Matevosian, D. P. Chichinov. Zhur. org. khim. 3 no. 1, 161-164 Mh '67.

Chemistry of free radicals of the hydrazine series. Part 16. Hydrazyl bisulfonates containing thiazole residues. R. O. Matevosian, V. V. Smirnova. Zhur. org. khim. 3 no. 1, 561-568 Mh '67.

Electronic conductance in the series of substituted phenylhydrazines. I. M. Litvinenko, V. A. Dadaev, I. I. Legatskii. Dokl. AN SSSR 177 no. 6 1368-1371 F '67.

Pharmacological and biochemical properties of pyridyl-ethyl-hydrazines and pyridyl-ethyl-aminines. A. N. Kostov and others. Farm. i lekhn. 30 no. 2 176-183 Mh-Apr '67.

Reaction of tetrafluorohydrazine with phosphorus trichloride. V. V. Kaidashevskii and others. Zhur. neorg. khim. 12 no. 1, 1004-1005 Ap '67.

Reduction of nickel salt to metal by hydrazine hydrate. N. I. Kozlov, N. V. Korovin. Zhur. prikl. khim. 40 no. 4, 902-904 Ap '67.

Structure and reactivity of nitrogen-containing derivatives of carbonyl compounds. Report No. 18. Polarographic study of some isonitrosyl hydrazones. I. U. P. Kitayev, G. K. Budnikov. Izv. AN SSSR Ser. khim. no. 3 574-581 Mr '67.

HYDRAZONES

Structure and reactivity of nitrogen-containing derivatives of carbonyl compounds. Report No. 18. Polarographic study of some isonitrosyl hydrazones. I. U. P. Kitayev, G. K. Budnikov. Izv. AN SSSR Ser. khim. no. 3 554-561 Mh '67.

Structure and reactivity of nitrogen-containing derivatives of carbonyl compounds. Report No. 19. Polarographic study of isonitrosyl hydrazones of aromatic aldehydes. I. U. P. Kitayev, G. K. Budnikov. Izv. AN SSSR Ser. khim. no. 3 562-567 Mr '67.

Synthesis of derivatives of the androstane series.

Part 13. Hydrazones of 4,14,17a-methyl-17 β -androstadien-3-one, $\Delta^1,4$ -androst-3,17-dienedione, 16-hydroxymethylene and 16-methyl derivatives. L. N. Volovoi. Zhur. obkhim. 37 no. 3 590-596 Mh '67.

HYDRAZONES—SPECTRA

Manifestation of p- π conjugation in electronic spectra of mono- and dialkyl hydrazones. B. V. Ioffe, O. V. Sverdlova, L. M. Korzhikova. Teor. i eksper. khim. 3 no. 1 119-122 Ja-F '67.

HYDROBIOLOGICAL RESEARCH

Some immediate problems of hydrobiology. B. S. Kuzin. Trudy Inst. biol. vnutr. vod. no. 12 3-9 '66.

Hydrobiology see subdivision under Kuma River; Lithuanian; Oka River (Irkutsk Province); Padkumok River

HYDROBROMIC ACID

Hydrobromides and stable trichloroethylene complexes of 2-methyl-1-methoxy-3-monomethylpyrrolidine. A. M. Kiselevich and others. Zhur. obkhim. 37 no. 3 612-648 Mh '67.

HYDROBROMIC ACID—SPECTRA

Intermolecular reactions in bromide and hydrogen bromide at 80° K. E. I. Iakovenko, G. N. Sergeev, G. P. Kalina. Dokl. AN SSSR 173 no. 3, 626-628 Mh '67.

HYDROCARBONS

Analysis of hexane-hexene fractions by the capillary chromatography. A. L. Lapina and others. Zhur. anal. khim. 22 no. 2, 295-298 F '67.

Automation of the pyrolysis process of hydrocarbon raw materials in pipe stills. M. N. Kaitayev, V. A. Kiselevich. Khim. i tekhn. topl. i masel. 12 no. 4, 92-96 '66.

Catalyst for dehydrogenation of alkyl aromatic hydrocarbons. Kh. I. Arshidze, G. O. Chivadze. Dokl. AN SSSR 173 no. 4, 621-624 Ap '67.

Dielectric polarization in the system humidified cation exchanger - hydrocarbon medium. O. D. Kuznetsov, A. I. Derzhavskii, N. Ia. Kovalenko. Dop. AN URSSR no. 10 13 10-112 '65.

Effect of the fractional composition and residual quantity of aromatic hydrocarbons on the stability of fuels. I. A. R. Kabanashvili, S. A. Golovov, I. U. I. Shchegolev. Khim. i tekhn. topl. i masel. 12 no. 4, 92-96 '66.

Equilibrium liquid - vapor in binary and ternary systems formed by C₆ hydrocarbons with methanol and also with acetone. S. K. Ogorodnikov, V. B. Kogan, M. S. Nemtsov. Zhur. prikl. khim. 31 no. 1, 16-21 Ap '61.

Free radical mechanism of a reaction of hydrocarbons by chromyl chloride. I. P. Gagarov, M. I. Ponomarev. Zhur. org. khim. 3 no. 1, 168-161 Mh '67.

Hydrophobic binding (solvation) of hydrocarbons of different nature in aqueous solution of sodium chloride, a biologically active hemolysis. Z. N. Markina, N. N. Tskurina, P. A. Reblind. Dokl. AN SSSR 172 no. 6; 1376-1379 F '67.

Investigating simultaneous decomposition of gaseous and liquid hydrocarbons in electric discharge. M. S. Pechin, O. I. Pechin, A. A. Ushakov. Gruz. prom. 12 no. 1 39-41 Ap '67.

Phase and volume relations in divinyl-hydrocarbon systems. M. S. Rozhinov. Khim. prom. 43 no. 1, 48-50 Ap '67.

Pyrolysis of hydrocarbon fractions in a medium of overheated steam. L. I. Efimov and others. Khim. prom. 43 no. 2, 10-13 F '67.

Recovering benzene from hydrocarbon mixtures with synthetic zeolites. L. P. Fominykh and others. Khim. i tekhn. topl. i masel. 12 no. 1, 10-10 Ap '67.

Separation of pure individual C₆ hydrocarbons from industrial fractions by rectification. L. A. Shestakova and others. Khim. prom. 43 no. 4 15-18 Ap '67.

Study of substances of cotton blossoms. Kh. I. Isakov, A. I. Ismailov, A. S. Sadykov. Nauch. trudy TashGU no. 200. Khim. nauki no. 10-28-32 '66.

HYDROCARBONS—SPECTRA

Electron paramagnetic resonance spectra of anion radicals in some aromatic hydrocarbons. V. M. Karakova and others. Dokl. AN SSSR 165 no. 6 1310-1312 D '68. Infrared spectra of monoterpene aldehydes and corresponding hydrocarbons. S. A. Kozhin, O. V. Sverdlova. Trudy Inst. fiz. Ser. 5 no. 12 116-121 '65.

HYDROCHLORIC ACID

Activity coefficients of hydrogen chloride in N, N-dimethylformamide. S. M. Fetisov, I. U. I. Umanskii. Zhur. fiz. khim. 41 no. 4, 864-866 Ap '67.

Catalytic interaction of hydrogen chloride and methanol. E. B. Svetlanov and others. Zhur. fiz. khim. 41 no. 4; 920-921 Ap '67.

Composition of hydrogen chloride compounds with products of the hydrolytic degradation of cellulose by concentrated hydrochloric acid. N. V. Chafov, A. E. Leshchuk, I. V. Zemel'. Zhur. prikl. khim. 40 no. 4, 920-930 Ap '67.

HYDROFLUORIC ACID—SPECTRA

Infrared spectroscopic spectra of HF solutions in triethyl phosphate. I. U. I. Kol'tsov, V. V. Iastukov, S. S. Kozlov, Zhur. neorg. khim. 12 no. 3:725-728 Mr '67.

HYDROFOIL BOATS

Zidsev, N. A., and A. I. Maskalk. [Soviet hydrofoil boats] Otechestvennye sudna na podvodnykh kryl'akh. 2, 2, perer. i dop. Leningrad, Sudostroenie, 1967 380 p.

HYDROGEN

Disproportionation of hydrogen in mixtures of the meta- and para-isomers of m-methyl-1, 3 (8)-diene. I. I. Baryshchev, L. N. Manulov, A. L. Pertsivskii. Zhur. neorg. khim. 3 no. 1:685-690 Ap '67.

Reaction of hydrogen with chromium during electrolysis. A. A. Proskurnik, F. I. Krylov. Zhur. neorg. khim. 12 no. 4:867-872 Ap '67.

Reaction of hydrogen with nickel protoxide. V. P. Borzhadskii, I. M. Volgina, T. P. Stokova. Zhur. prikl. khim. 40 no. 4:705-711 Ap '67.

Reduction of Eu (II-III) sulfates by hydrogen. V. G. Barmatov, N. I. Ignatieva, A. A. Ivakin. Izv. AN SSSR, Neorg. khim. 3 no. 4:688-672 Ap '67.

Upper limit of molecular hydrogen content in comet atmospheres. P. F. Gubkov. Biol. Inst. astrofiz., AN SSSR. Zhur. prikl. spekt. 6 no. 4:137-140 Ap '67.

HYDROGEN—SPECTRA

Intensity distribution in the hydrogen lamp spectrum in the 2500-1100 Å wavelength region. V. I. Gladushchikh, I. I. Streltsov. Zhur. prikl. spekt. 6 no. 4:137-140 Ap '67.

Raman observations of neutral hydrogen in the direction of the association Monoceros II. N. V. Bystritskii, I. V. Gerasimovskii, N. I. Ryzhkov. Izv. GAO 21 no. 1:130-135 '66.

Spectrophotometry of the hydrogen and continuous spectrum of the star β Cen. T. N. Kuznetsova. Izv. GAO 24 no. 4:102-115 '66.

Spectrophotometry of the linear spectrum of some stars of the β Cep type. V. S. Popov. Izv. GAO 24 no. 1:116-124 '66.

HYDROGEN BONDING

Effect of hydrogen bonds on the reactivity of radicals. G. I. Zaitov, Z. K. Mazurek, N. M. Fimanchuk. Dokl. AN SSSR 173 no. 4:859-862 Ap '67.

Hydrogen bonding in acid potassium metasilicate. G. P. Sviridov, I. V. Ryskin, N. A. Mitropolskii. Teoret. i ekspr. khim. 3 no. 1:125-128 Ja-P '67.

Intensity of ν(H-H) infrared bands and the hydrogen bond. Part I: H-complexes of phenol with a series of ethers and benzene. A. V. Ingensen, B. V. Rasmussen. Zhur. prikl. spekt. 6 no. 4:492-500 Ap '67.

Some features of the mechanism of formation of hydrogen bonds in polymer solutions. A. L. Smolenskii. Vyss. i sred. shkol. Ser. B 9 no. 1:74-76 Ja '67.

HYDROGEN-ION CONCENTRATION

Calculating pH value of the transition from hydrogen ion discharge to prevailing discharge of water molecules. L. I. Kishtshik. Elektrokhimiya 3 no. 2:237-240 '67.

Causes of pH effect on cholinesterase activity. V. A. Iakovlev, R. S. Agabekian. Biokhimiya 32 no. 2:293-301 Mr-Ap '67.

Disproportionation of plutonium(V) in oxalate solutions. N. P. Ermolov, N. N. Krot, A. D. Gol'man. Radiofizika 9 no. 2:171-178 '67.

Effect of a "neutral electrolyte" (NaCl) on the values of the pH of the deposition of basic chlorides and hydroxides and on the separation of metals by the hydroxide method. N. V. Ksel'trud. Zhur. prikl. khim. 31 no. 4:776-786 Ap '67.

Effect of hydrogen-ion concentration on the activity of phosphoglucomutase. A. G. Pasyanski, V. N. Tveritnov. Zhur. fiz. khim. 41 no. 4:793-799 Ap '67.

Effect of hydrogen-ion concentration on the adsorption of inorganic colloidal substances at the hydroxide-sol interface. L. D. Stoylov, L. N. Kalitina. Zhur. prikl. khim. 40 no. 4:708-801 Ap '67.

Effect of pH on stationary concentrations of radiolysis products of aqueous oxygen solutions. S. A. Kabachnik, V. N. Shubin, P. I. Dolin. Khim. vys. energ. 1 no. 2:149-153 Mr-Ap '67.

Effect of temperature and pH on denaturation of globular proteins. L. A. Utevaeva. Uch. zap. NIIGU 131:36-43 '67.

Electrodeposition of iron, pH value of cathode layer and hydrogen overvoltage. V. M. Neginiy, R. U. Bondar'. Zhur. prikl. khim. 40 no. 4:808-813 Ap '67.

pH changes of cytoplasm in phagocytosis of microbes stained with indicator dyes. E. P. Pavlov, V. N. Solov'ev. Biol. eksp. biol. med. 63 no. 4:78-81 Ap '67.

Tenfold effect of heptachlor and hexachlor on wireworms as related to the temperature and pH of soil. L. P. Fumova. Khim. i sel'sk. khoz. 5 no. 4:18-20 Ap '67.

HYDROGEN ISOTOPES

Mechanism of elementary processes of chemistry involving hot hydrogen atoms. A. M. Brodskii, A. I. Tumkin. Khim. vys. energ. 1 no. 1:1-9 Ja-P '67.

HYDROGEN PEROXIDE

Catalytic conversion of hydrogen peroxide. I. U. I. Kol'tsov, Zhur. neorg. khim. 12 no. 3:725-728 Mr '67.

Photolysis of hydrogen peroxide. Zhur. neorg. khim. 12 no. 3:725-728 Mr '67.

HYDROGENATION

Behavior of ethylene cyanohydrin in a catalytic reaction. I. I. Volkova, D. V. Sokol'skii. Zhur. prikl. khim. 40 no. 4:705-711 Ap '67.

Catalytic hydrogenation of phosphonic acids. D. V. Sokol'skii. Izv. AN Khim. 3 no. 4:688-672 Ap '67.

Conditions of hydrogenation of ethyl acetate at elevated pressures. A. I. Yakubchik. Zhur. prikl. khim. 41 no. 4:708-801 Ap '67.

Homogeneous catalytic hydrogenation. A. A. Zhur. prikl. khim. 41 no. 4:708-801 Ap '67.

Hydrogenation of dimethylglyoxal with nickel-sulfate-humic palladium catalyst. D. V. N. A. Golov'. Izv. AN Khim. 3 no. 4:688-672 Ap '67.

Hydrogenation of 7,7-dimethyl-1,4-cyclohexadiene. A. I. Nagibullin, B. I. Dzagol'skii. Zhur. prikl. khim. 41 no. 4:708-801 Ap '67.

Hydrogenation products of hexahydrotetraene. A. I. Nagibullin, B. I. Dzagol'skii. Zhur. prikl. khim. 41 no. 4:708-801 Ap '67.

Hydrogenation with abundant catalysts. A. A. Zhur. prikl. khim. 41 no. 4:708-801 Ap '67.

Liquid-phase hydrogenation of 2-heptene on nickel-sulfate-humic catalyst. D. V. N. A. Golov'. Izv. AN Khim. 3 no. 4:688-672 Ap '67.

Mechanism of asymmetric liquid hydrogenation. I. U. I. Kol'tsov, Zhur. neorg. khim. 12 no. 3:725-728 Mr '67.

Regulation in consecutive catalytic reaction of furan derivatives in the presence of their hydroxy-derivatives. A. A. Ponomarev. Zhur. prikl. khim. 40 no. 4:705-711 Ap '67.

Synthesis and catalytic hydrogenation of acetylenic methoxy-derivatives. I. M. Gerasimov, R. U. Papava. Izv. AN Khim. 3 no. 4:688-672 Ap '67.

Synthesis of symmetrical acetylenic dimethoxy-derivatives and study of their catalytic hydrogenation. G. V. Gerasimov, R. U. Papava. Izv. AN Khim. 3 no. 4:688-672 Ap '67.

Hydrogenolysis. Effect of hydrogen pressure on the conversion of methyl cyclopentadiene over rhodium catalyst. I. U. I. Kol'tsov and others. Dokl. AN SSSR 173 no. 4:859-862 Ap '67.

Hydrology. (See also subcategory under: Atmosphere, Water, Valley; Korch St. all; Korymba Delta; Tashkent; Turgayak, Lake; Volga Delta.)

Korvet'skii, N. A. [Theory of probability processes in hydrology and regulation of water flow]. Voprosy otkrytykh prirodnokh resursov v khimicheskoi i tekhnicheskoi oblasti. Leningrad, Gidrometizdat, 1967, 200 p.

Hydrolysis. Availability of the products of sugar decomposition contained in seawater with a few biological examples. N. I. Trachenko, N. A. Shukhova. Shor. izd. NIIGU 15:238-250 '66.

Carry out the plan of the anniversary year of the schedule. Gidroliz. Khimicheskii, prikl. 20 no. 4:708-801 Ap '67.

Composition of hydrogen chloride compounds. Products of the hydrolytic degradation of chlorinated hydrocarbons. N. V. Chelov, N. V. Kozlov, Shor. izd. NIIGU 15:160-178 '66.

Continuous hydrolysis of the polyacrylamides of the tissues by 40-48% hydrochloric acid. Report of the thermal effect on wood saturated with gaseous hydrogen chloride at atmospheric pressure. N. V. Kozlov, N. V. Chelov, Shor. izd. NIIGU 15:160-178 '66.

Designing and building of hydrolytic and sulfite plants in the year of the Great Patriotic War. I. I. Martynenko, Gidroliz. Khimicheskii, prikl. 20 no. 4:708-801 Ap '67.

Development of mycelial fungi on media of the L-lysine and sulfite pulp industries. G. S. Rodionova. Shor. izd. NIIGU 15:160-178 '66.

Diphase hydrolysis of wood by mechanical and chemical destruction of cellulose in the presence of hydrochloric acid. N. V. Chelov, A. I. Tschuk. Shor. izd. NIIGU 15:160-178 '66.

Economic effectiveness of new trends in the development of the technology of hydrolytic pulp production. Report No. 3. A. I. Kozlov, L. I. Egorova. Shor. izd. NIIGU 15:160-178 '66.

Effect of alkaline phosphatase on hydrolytic kinetics of p-sodium nitrophenyl phosphate. A. I. Tschuk, I. I. Nikol'skaya, N. B. Karpenko. Biokhimiya 32 no. 2:293-301 Mr-Ap '67.

HYDROLYSIS (Continued)

Effect of diethylaminoethanol, a product of novocaine hydrolysis, on tissue respiration in various organs. K. V. Slobodkina. *Trudy Oren. old Vses. fiziol. ob-va* no. 3, 220-224 '64.

Enzymatic hydrolysis of pyrophosphoric bonds in seryl-pyrophosphates. S. M. Avaseva and others. *Dokl. AN SSSR* 172 no. 6 1436-1439 F '67.

Frirkovich, B. S. [Automation of the hydrolysis industry and processing of sulfate liquor] *Avtomatizatsiya gidroliznogo proizvodstva i pererabotki sulfatnykh shchelokov*. Moskva, Lesnaya promyshl., 1967. 286 p.

Growth of TiO_2 particles in the process of thermal hydrolysis. I. U. Dolmatov, I. A. Bobyrenko, A. I. Sheinkman. *Zhurn. prikl. khim.* 40 no. 1:911-913 Ap '67.

Hydrolysis of complex palladium halides. V. I. Kazakova, B. V. Pitsyn. *Zhurn. neorg. khim.* 12 no. 3:620-625 M '67.

Hydrolysis of lithium and sodium silicates in aqueous solutions at 160°-340°C temperature range. M. L. Gavrilsh, I. S. Galinker. *Zhurn. neorg. khim.* 12 no. 3, 823-821 M '67.

Hydrolysis of seryl pyrophosphates by inorganic pyrophosphatase of yeast. S. M. Avaseva, S. N. Kana-Murza, M. M. Botvink. *Biokhimiya* 32 no. 2:205-209 M-Ap '67.

Inversion of hydrolyzates as a large potentiality for the increase of the profitability of hydrolysis plants. A. I. Kozlov, I. A. Kutucva, I. V. Pashmina. *Sbor. trud. NIIGS* 15:73-87 '66.

Isotope method of studying the hydrolysis kinetics of phosphoryl choline and hydroxyethylamine. T. Katsindze. V. Kokochashvili. *Trudy Tbil. GU* 74:259-264 '69.

Kinetics and plastin formation production in enzymatic protein hydrolyzate. A. I. Shukalina, N. V. Afanas'ev. *Dokl. AN SSSR* 172 no. 6:1143-1144 F '67.

Method for the determination of mineral admixtures in chips and sawdust. S. I. Gorlovskii, S. F. Morozova. *Gidroliz i lesookhim. prom.* 20 no. 3:12 '67.

Pay maximum attention to capital construction. N. A. Nazarov. *Gidroliz i lesookhim. prom.* 20 no. 3:1-2 '67.

Penetration of concentrated hydrochloric acid into the pores of wood particles and the formation of hydrolyzates in them. A. E. L. Chichuk, N. V. Chalov. *Sbor. trud. NIIGS* 15:156-167 '66.

Purification of the neutralized products for yeast cultivation by steam blowing in a continuous column. A. S. Valner, N. S. Kuplenova, B. S. Gutkovskii. *Sbor. trud. NIIGS* 15:61-71 '66.

Resinous substances of hydrolysis lignins and their origin. S. I. Sukhanovskii, N. P. Vafshstein. *Sbor. trud. NIIGS* 15:258-275 '66.

Setting of hydrolyzed material in percolation hydrolysis. I. I. Korol'kov, L. M. Papashnikov. *Sbor. trud. NIIGS* 15:35-42 '66.

Some problems in the theory of the continuous method of hydrolysis with diluted acids. I. A. Belitskii. *Sbor. trud. NIIGS* 15:7-26 '66.

Stoichiometry of the polysaccharide hydrolysis reaction. A. E. Lezhnev. *Sbor. trud. NIIGS* 15:147-155 '66.

Study of the amino acid composition of activated sludge at the purification stations of hydrolysis plants. V. N. Sekumova, A. S. Perovskaya. *Sbor. trud. NIIGS* 15:261-255 '66.

Study of the changes in woodpulp during its conversion into an easily hydrolyzable state by mechanical and chemical means. A. K. Bolotova, V. I. Shaikov. *Sbor. trud. NIIGS* 15:175-188 '66.

Study of various designs of back pressure valves for the feeding of sulfuric acid into hydrolyzers. E. A. Adamovich and others. *Sbor. trud. NIIGS* 15:250-262 '66.

Technological characteristics of wheat straw used as raw material for the hydrolysis yeast industry. I. I. Korol'kov and others. *Sbor. trud. NIIGS* 15:43-52 '66.

Transformation of antibiotics of the actinobion complex under conditions of mild acid hydrolysis. M. S. Iltina, N. N. Lomakina. *Antibiotiki* 12 no. 4 279-283 Ap '67.

Use of decaying vegetable raw materials in the hydrolysis industry. I. I. Korol'kov and others. *Sbor. trud. NIIGS* 15:27-34 '66.

HYDROMETALLURGY

Extraction of rare earths from hydrochloric acid solutions with a mixture of extracting agents. N. A. Suvorovskaya, I. S. Kuznetsova. *Izv. AN SSSR. Met.* no. 2:58-56 M-Ap '67.

HYDROMETEOROLOGICAL INSTRUMENTS

Leningrad. Nauchno-issledovatel'skii institut gidrometeorologicheskogo priborostroyeniia. [Information materials on hydrometeorological instruments and methods of observations] *Informatsionnye materialy po gidrometeorologicheskim priboram i metodam naibliudeniia*. Moskva, Gidrometizdat, 1966. 63 p. (Rus. Sbornik, no. 29)

HYDROMETEOROLOGY

Study of instability of holocephalyteal relations. D. A. Sleptsov-Shevel'ich. *Trudy ANII* 257:93-118 '67.

HYDROPEROXIDES

Kinetics of decomposition of polyphenylene ethyl hydroperoxide in chlorobenzene. A. E. Chuchin, G. S. Kolosn'kov. *Vysokom. soed. Ser. B* 9 no. 1:33-36 M '67.

HYDROPEROXIDES—SPECTRA

Quantitative determination of some hydroperoxides by means of electron paramagnetic resonance. N. D. Khleva and others. *Zhurnal khim.* 22 no. 2:202-294 F '67.

HYDROTONICS

Starting plots in hydroponic growing of vegetables in greenhouses. K. A. Shulin, P. F. Bakhou. *Vest. AN BSSR. Ser. sel'sk. nauch. nauch.* no. 1:43-47 '67.

Use of aerophones for studying the temperature course of photosynthesis. P. S. Belikov, I. G. Avakimova. *Izv. ISKIA* no. 1:32-11 '66.

HYDROXIDES

Use of freezing in the manufacture of active mass of alkaline storage batteries. A. A. Pospelov, V. G. Chukhantsev. *Izv. AN SSSR. Neorg. mat.* 3 no. 1:747-749 Ap '67.

Use of saturated solutions of hydroxides of high-valence elements as a standard state in studying complex-forming processes. A. K. Babko, B. I. Nabivnits, V. V. Lukachina. *Ukr. khim. zhurn.* 33 no. 3:331-335 '67.

HYDROXYL GROUP

Stabilization of polyvinylene by acetylation of terminal hydroxyl groups. A. F. Abrosimov and others. *Khimi. prom.* 13 no. 2:23-25 F '67.

HYDROXYL GROUP—SPECTRA

Interstellar hydroxyl in the region of the galactic center. N. V. Bystryova, T. M. Egorova, M. F. Ryzhkov. *Izv. GAO* 24 no. 1:125-129 '66.

Study of hydroxyl groups of acetylenic and ethylenic carbonyls and glycols by means of infrared absorption spectra. O. D. Bagiatishvili and others. *Trudy Tbil. GU* 74:181-191 '69.

HYDROXYLAMINE

Reaction of pentafluorobenzonitrile with hydroxylamine. G. S. Shegoleva, V. A. Burkhali, N. N. Voronchikov Jr. *Izv. AN SSSR. Ser. khim.* no. 3:703-709 M '67.

HYDROXYLATION

Effect of medium aeration intensity on α -hydroxylating activity of *Pseudomonas hydrophila*. I. S. Koshunov, G. K. Skolobin. *Pril. biokhim. i mikrobiol.* 3 no. 2:168-172 M-Ap '67.

HYGENE

Ish, N. P. [Bees and medicine] *Pechel' i meditsina*. Pod red. F. F. Talyzina. Tashkent, Meditsina, 1966. 180 p.

HYPERCHOLESTEREMIA

Effect of novocaine and cocaine on the nature of experimental hypercholesterolemia. G. T. Lobanova. *Trudy Oren. old. Vses. fiziol. ob-va* no. 3:214-219 '64.

HYPERSONIC AERODYNAMICS

see Aerodynamics, Hypersonic

HYPERTENSION

Dimedrol treatment of hypertension. I. M. Kuznetsov. *Sov. med.* 27 no. 8:39-43 Ag '63.

Colloidal solutions in experimental hypertension. F. A. Akhlin. *Pat. fiziol. i eksp. terap.* 11 no. 2:70 M-Ap '67.

Experimental study of the pathogenesis of arterial hypertension in works of Soviet scientists. N. N. Gerasimov. *Pat. fiziol. i eksp. terap.* 11 no. 2:3-11 M-Ap '67.

Hypotensive properties of propylamine. I. S. Chekman. *Farm. i toks.* 30 no. 2:183-186 M-Ap '67.

New data on pathogenesis of hypertension. K. N. Zamyatova, V. V. Suchkov. *Vest. AN SSSR* 22 no. 1:41-47 '67.

Pathomorphology of the vascular system of renal pelvis in atherosclerosis and hypertension. V. A. Sainsanov, M. M. Sevorova. *Arkh. pat.* 20 no. 3:63-67 '67.

HYPERTHYROIDISM

Content of stalic acids in patients with thyrotoxicosis treated with ^{131}I . V. M. Udov, N. I. Kuz'mak. *Med. i nat.* 12 no. 4:45-48 Ap '67.

HYPERTROPHY

Effect of nucleic acid synthesis inhibitor and stimulator on the development of compensatory hypertrophy and the function of the unique kidney. F. Z. Merson and others. *Dokl. AN SSSR* 165 no. 6:1469-1472 D '65.

HYPHOMYCETES—CULTURES AND CULTURE MEDIA

Effect of dose rate of Co^{60} gamma rays on the survival of some *Dermatophytes* species. N. N. Zhdanova, G. N. Pilenkov. *Izv. AN SSSR. Ser. biol.* no. 3:438-442 My-Ja '67.

HYPOPHOSPHOROUS ACID

Preparation of crystalline hypophosphorous acid. K. V. Nikonov, T. A. Gurylev. *Izv. AN SSSR. Ser. khim.* no. 3:683 M '67.

HYPOPHYSCTOMY

Effect of hypophysectomy on metabolism in white rats of different age. V. N. Nikitin, A. I. Klimentko. *Uch. zap. KUGU* 131:115-125 '62.

Effect of insulin on metabolism of hypophysectomized rats of different age. V. N. Nikitin, A. I. Klimentko. *Uch. zap. KUGU* 131:126-131 '62.

HYPOTENSION

Prevention of hypotension and collapse in aminocaproic acid. I. N. Afanas'ev. *Sov. med.* 27 no. 8:29-31 Ag '63.

So-called hypotensive effect of petroleum hydrocarbons. D. M. Abdulaev. *Azerb. med. zhurn.* 11 no. 1:91-97 Ap '67.

HYPOTHALAMUS

Changes in the cellular composition of the human hypothalamus in ontogeny. I. N. Bogolepova. *Zhurn. nevro. i psikh.* 67 no. 1:534-538 '67.

Changes in the content of blood serotonin in rabbits during prolonged stimulation of the anterior portions of the hypothalamus with electric current. N. L. Vekshina. *Biul. eksp. biol. i med.* 63 no. 5:7-10 My '67.

Manifestation of pathological explosiveness caused by excitation of hypothalamic structures. N. A. Kostenetskaia. *Zhurn. vye. nerv. i d. n.* 17 no. 2:219-225 M-Ap '67.

Prolonged changes in coronary circulation and blood pressure after stimulation of different segments of the hypothalamus. A. V. Tonkikh, A. I. Il'in, S. I. Teplov. *Fiziol. zhurn.* 18 no. 7:812-816 Je '62.

Role of the cholinergic substrate of the hypothalamus in the regulation of the blood coagulation system. A. K. Chupov, A. A. Markosin. *Biul. eksp. biol. i med.* 63 no. 4:30-35 Ap '67.

Serotonin structures of the hypothalamus. I. A. Gromova, N. I. Vokshina. *Izv. AN SSSR. Ser. biol.* no. 3:153-155 My-Je '67.

HYPOTHERMIA

Chronic experimental local cooling of the cerebral cortex in cats. P. M. Starikov, I. M. Perov. *Fiziol. zhurn.* 53 no. 3:351-356 M '67.

Dynamics of oxygen consumption by the myocardium in cardiac arrest experiments with artificial blood circulation under normal temperature conditions and in hypothermia. E. N. Ashchukova, O. P. Shalykova, I. I. Logunova. *Pat. fiziol. i eksp. terap.* 11 no. 2:37-41 M-Ap '67.

Effect of hypothermia on experimental cholesterol atherosclerosis in rabbits, preliminary report. S. I. Oshchukova, V. M. Glotov. *Azerb. med. zhurn.* 11 no. 4:19-21 Ap '67.

Effect of preliminary cooling in association with hypoxemia and hypercapnia on changes in the cerebral content of labile phosphates and inorganic phosphorus during a temporary interruption of the blood supply under the conditions of artificial hypothermia. I. R. Peltov, N. V. Kostovtseva. *Fiziol. zhurn.* 40 no. 10:1155-1162 O '63.

HYPOTHESIS

[Discrimination of statistical hypotheses at like values of χ^2] *Diskriminatsiya statisticheskikh gipotez pri blizkikh znacheniiakh χ^2* . [By] I. M. Kazaninov i dr. [Dubna, 1967] 17 p.

HYSTERESIS LOOP

Potential hysteresis loop method and its application in copper electrodeposition in the presence of organic additions. M. A. Popov, V. N. Lebedeva. *Elektrokhimiya* 13:139-140 Ap '67.

LATSUNSKII, VIKTOR KORNELEVICH, 1893-1966—BIOGRAPHY see Bibliography—Latsunskii, Viktor Kornelevich, 1893-1966

ICE—ANALYSIS

Methodology for sampling ice for chemical analysis. M. N. Tanasov and others. *Gidokhim. ma.* 12:302-301 '66.

ICE-BREAKING OPERATIONS—SAFETY MEASURES

Blasting operations during the period of ice drift. V. D. Rasadkin. *Uch. zap. KUGU* 130 no. 10:10-11 O '66.

ICE-BREAKING VESSELS

Approximate method for calculation of beginning time of movements of icebreakers by running into unbroken ice. A. A. Kirillov, V. A. Spichkin. *Trudy ANIE* 257:73-77 '67.

ICE CORING RIGS

High-temperature boring in glaciers under high-mountain conditions. A. V. Brichkin, S. V. Mikhnev, A. V. Boev. *Izv. Vses. geog. ob-va* 90 no. 2:147-148 M-Ap '67.

ICE CREAM INDUSTRY

Supply the ice cream trade with dry ice. Z. E. Fl'kha. *Khisl. tekhn.* 44 no. 1:5-7 Ap '67.

ICE CRYSTALS—GROWTH

Effect of an electric charge on the growth of an ice crystal. T. G. Gaburashvili. *Sob. AN Gruz. SSR* 45 no. 2:350-354 F '67.

ICE ON RIVERS, LAKES, ETC.

(see also subdivision 'Ice' under Anabar River; Indigirka River; Kolyma River)

Determining amount of seasonal freezing of river basin by geochemical method. N. G. Dmitriyeva. *Trudy TSIP* no. 1:154-61 '66.

- ICE ON RIVERS, LAKES, ETC.—ANALYSIS** see subdivision under Caucasus, Northern
- ICEHOUSES**
Shchelokov, V. K. [Ice storehouses] Lednyye khranilishcha. Moskva, Nauka, 1967. 117 p
- ICELAND SPAR**
Effective use of crystal geometry for the cutting of polarization prisms from Iceland spar. A. V. Shustov. Opt.-mekh. prom. 31 no. 3 44-48 Mr '67.
Prisms from Iceland spar. A. I. Stokharov. Opt.-mekh. prom. 34 no. 3 18 Mr '67.
- IDEALS (ALGEBRA)**
Distance between "neighboring" prime ideals. A. V. Sorokovskii. Dokl. AN SSSR 172 no. 6 1273-1275 F '67.
Effective proof of certain theorems in the theory of ideals. V. D. Lesev. Uch. zap. Kazb.-Balk. gos. un. no. 13 64-69 '61.
Finding all prime ideals of an nth-order algebraic field with norms not exceeding the given values. T. K. Shchukina. Uch. zap. Kazb.-Balk. gos. un. no. 13 117-120 '61.
- IGNEOUS ROCKS** see Rocks, Igneous
- ILEUM—BLOOD SUPPLY**
Arterial anastomoses of the ileocecal angle and terminal section of the ileum in man. N. D. Dvogliallo, L. S. Bugaeva. Arkh. anat., gist. i embriol. 52 no. 4 86-99 Ap '67.
- ILEUM—DISEASES**
Evagination of the ileum with strangulation through fecal fistula. A. I. Borisov. Khirurgia 13 no. 1 146-147 Ap '67.
- ILEUM—TRANSPLANTATION**
Velichenko, V. M. [Repairing of defects of the large intestine and rectum with the use of ileotransplant]. Zameshcheniye defektov tolstoi i pramoio kishchki ileotransplantom. Minsk, "Belarus", 1967. 167 p. (DNLM)
- IL'IN, ROSTISLAV SERGEEVICH, 1891-1944**
Rostislav Sergeevich Il'in. Geol. i geofiz. no. 12 126-129 '66.
- ILLUSTRATION OF BOOKS** see subdivision under Rumana
- ILMENTE** see subdivision under Uklaine
- ILMENTE—SPECTRA**
Study of ilmenite (FeTiO₃) by nuclear gamma-resonance method. Sh. Sh. Baskhurov and others. Dokl. AN SSSR 173 no. 2 407-409 Mr '67.
- IMAGE CONVERTERS**
Methodology of the study of immersion cathode lenses. L. I. Basilev, E. P. Semenov. Opt.-mekh. prom. 34 no. 3 58-59 Mr '67.
Studying the resolving power of SLM scanisters. K. F. Berkovskaya, V. L. Kreitzer, V. B. Shuman. Fiz. i tekhn. poluprov. 1 no. 1 128-131 Ja '67.
Unit for visual ultraviolet microscopy using the M-9 electron-optical converter. M. M. Butstov, M. I. Koin, N. N. Solov'ev. Opt.-mekh. prom. 34 no. 1 24-28 Ap '67.
- IMAGE INTENSIFIERS**
Some problems connected with the brightness intensification of the image in electron-optical systems. E. P. Semenov. Opt.-mekh. prom. 31 no. 1 14-16 Ap '67.
- IMANDRA REGION (MURMANSK PROVINCE)—ORE DEPOSITS**
Authigenic lead-zinc mineralization in rocks of iron-siliceous formation in Imandra region. P. M. Goulsinov, V. N. Makarov, V. P. Malyshev. Dokl. AN SSSR 173 no. 5 1173-1176 Ap '67.
- IMMUNITY**
Analysis of antibody formation on the example of antibody production in rabbits immunized with Vi-antigen of Salmonella typhi. V. I. Levenson. Biol. eksp. biol. i med. 63 no. 4 70-71 Ap '67.
Antineoplastic immunization of animals. D. G. Zatul. Vop. eksp. onk. no. 2 199-205 '66.
Changes in hepatic excretory function following immunotherapy during the acute period of burn disease. R. V. Medvedshvili. Biol. eksp. biol. i med. 63 no. 4 36-39 Ap '67.
Functional state of the adrenal cortex and antineoplastic immunity in rabbits. A. V. Borovskii. Vop. eksp. onk. no. 2 122-127 '66.
Immunomorphology of respiratory virus infections in children. B. S. Gusman. Arkh. pat. 29 no. 4 33-39 '67.
Use of serological reactions in studying immunity in homotransplantations of the skin in rabbits. L. B. Gel'dner and others. Biol. eksp. biol. i med. 63 no. 5 67-69 My '67.
- IMMUNOCHEMISTRY**
Comparative immunochromatological analysis of tumors of different etiology. I. S. Baskhurov, A. I. Ageenko. Vop. onk. 13 no. 4 445-448 '67.
- Immunochromatological analysis of interspecific differentiation of serum proteins as exemplified by Asperger's, V. I. Luk'yanenko, S. I. Sedov. Dokl. AN SSSR 173 no. 3 688-689 Mr '67.
- IMMUNOELECTROPHORESIS**
Electrophoretic characteristics of blood serum proteins in burn disease and its treatment with immunohemotransfusions. V. A. Orlin. Sov. med. 30 no. 3 21-26 Mr '67.
Immunoelectrophoretic analysis of the crystalline lens in the postnatal development of mice. V. M. Babanov. Biol. eksp. biol. i med. 63 no. 1 81-85 Ap '67.
- IMMUNOLOGICAL RESEARCH**
Immunological changes in experimental atherosclerosis. D. F. Pletitskiy, Z. M. Bobrova. Dokl. AN SSSR 173 no. 3 690-702 Mr '67.
- IMPACT**
Experimental investigation methods of high-speed collisions of solid particles with barriers under different angles. G. S. Pisarenko, G. V. Stepanov. Prikl. mekh. 3 no. 3 1-5 Mr '67.
Longitudinal impact on a semi-infinite rod through a flexible interlayer. I. I. Vasil'evskii. Prikl. mekh. 3 no. 4 129-130 Ap '67.
- IMPEDANCE (ELECTRICITY)**
Impedance of p-n-n-diode at high injection levels. N. A. Prima, I. A. Tkhotik. Fiz. i tekhn. poluprov. 1 no. 4 535-542 Ap '67.
- IMPERIALISM**
Lenin's analysis of imperialism and our time. N. Inozemtsev. Mol. komm. no. 3 8-17 '67.
The theory of "ultraimperialism" and the present. I. U. Shishkov. Mir, ekon. i mezhdunar. otn. no. 4 30-41 '67.
Work of a genius on the 50th anniversary of the publication of V. I. Lenin's work "Imperialism as the highest stage of capitalism." M. Bunkin. Nauch. dokl. vyssh. shkoly, tsn. nauka 10 no. 4 3-13 '67.
- INCENTIVES IN INDUSTRY**
Collective responsibility and labor discipline. I. Kurtymin. Sots. iud. 12 no. 5 33-36 My '67.
Decisions of the September Plenum of the Central Committee of the CPSU and problems of economic incentives for production. A. A. Chernukhin. Trudy VZEL no. 30 1-21 '66.
First results of operations with the new economic system. G. V. Kaipenko, I. P. Red'ko. Ugol' Ukl. 11 no. 1 20-23 Ja '67.
Improvement of planning and economic incentives on the agenda. L. S. Pulinianov. Ugol' Ukl. 11 no. 1 26 Ja '67.
The Kivvey Bog Central Coal Preparation Plant is operating with the new system of planning and economic incentives. I. A. S. Popov. Ugol' Ukl. 11 no. 1 19-20 Ja '67.
Leninist principle of material and moral incentives for work. I. E. Monastyrskiy. Rad. pravo no. 1 8-12 Ap '67.
The "Lutinskaya-Sovetskaya" Coal Mine is operating under new conditions. I. S. Kravchikov. Ugol' Ukl. 11 no. 1 23-25 Ja '67.
An ordinary man gives up. B. Anashenkov. Mol. komm. no. 2 83-86 '67.
Payment for production funds, and economic incentives. G. Gubzaillov. Ekon. i zhizn' 9 no. 3 27-29 Mr '67.
Preparing the changeover of coal industry to the new system of planning and economic incentives. G. I. A. Bunkin. Ugol' 42 no. 1 27-32 Ap '67.
Some results of material incentives and the new methods of planning. V. K. Malinov. Sov. gos. i pravo no. 5 98-103 My '67.
Steps of the reform. A. Ma'isev. Sov. shkol. 16 no. 3 9-10 Mr '67.
- Zorina, Z. A.** [Communism and incentives for work; a textbook]. Kommunist i stimuly k trudu; uchebnoe posobie. Sverdlovsk, 1964. 36 p. (CS-H)
- INCOME** see subdivision under Uzbekistan
- INCOME—STATISTICS**
Differentiated balance of incomes and consumption of the population as an instrument of planning prospectus. V. F. Malen. Vost. Mosk. un. Sci. 7 Ekon. 22 no. 2 31-37 Mr '67.
- INDANDIONE**
Possibility of using 2-aryl-1,3-indandiones in the method of inhibition. V. V. Moiseev, L. P. Zalukayev. Zhur. org. khim. 3 no. 4 734-736 Ap '67.
2-Aryl-1,3-indandione in radical reactions. Relationship between structure and antioxidant capacity. V. V. Moiseev, L. P. Zalukayev. Zhur. org. khim. 3 no. 4 731-734 Ap '67.
- INDIA—AGRICULTURE AND STATE**
Mironova, E. I. [The food problem in India; the grain market and state policy]. Prodovol'stvennaya problema v Indii; zernovoi rynek i gosudarstvennaya politika. Moskva, Nauka, 1967. 79 p.
- INDIA—ECONOMIC GEOGRAPHY**
Development of the conception of economic regionalization in India. G. V. Sdasuk. Izv. AN SSSR. Ser. geog. na. 127-138 Mr-Ap '67.
- INDIA—ELECTIONS**
The presidential elections in India. A. Reginin. Nov. vrem. 25 no. 20 13 My '67.
- INDIA—GRAIN TRADE**
Mironova, E. I. [The food problem in India; the grain market and state policy]. Prodovol'stvennaya problema v Indii; zernovoi rynek i gosudarstvennaya politika. Moskva, Nauka, 1967. 79 p.
- INDIA—INDUSTRIES, LOCATION OF**
Sharma, Tulsi Ram. [Distribution of industry in India. Translated from the English]. Razmeshchente promyshlennosti v Indii. Predisl. i red. A. I. Levkovskogo. Moskva, Izd.-vo Inostr. lit-ry, 1958. 416 p. tables, maps (part fold). (HU-CWC)
- INDIA—JUSTICE, ADMINISTRATION OF**
Visiting the lawyers of India. Sots. zakon. no. 3 76-80 Mr '67.
- INDIA—NATIONALITIES**
Triumph of V. I. Lenin's principle of national self-determination in the Soviet Union and its influence upon India. D. Kaushik. Trudy TashGU no. 287 120-125 '66.
- INDIA—POPULATION**
Changes in the population geography of independent India. G. V. Sdasuk. Vop. geog. no. 71 156-182 '66.
- INDIA—POSTAGE STAMPS**
Heroes of a national uprising. I. U. Alekseev. Izv. Afr. seg. 10 no. 5 61 My '67.
- INDIA—RELATIONS (GENERAL) WITH RUSSIA**
Russo-Indian political contacts in the early 20th century. G. L. Dmitriev. Trudy TashGU no. 287 126-131 '66.
- INDIA—UNTOUCHABLES**
The Harijans, pariahs of society (to be concluded). A. Kutsenkov. Afr. i Afri. seg. 10 no. 5 53-55 My '67.
- INDIA—VISITORS, RUSSIAN**
Visiting the lawyers of India. Sots. zakon. no. 3 76-80 Mr '67.
- INDIA, PORTUGUESE—POLITICS**
At the world map. Goa, Damao, Diu. Agitator no. 1 47-48 Ja '62.
- INDIANS OF NORTH AMERICA**
The fate of native Americans. V. Koldobskii. Agitator 35 no. 9 52-53 My '67.
- INDICATORS AND TEST PAPERS**
Optimization of chromatography with fluorescent indicators. T. V. Kurchatkina. Khim. i tekhn. topl. i masel 12 no. 4 61-63 Ap '67.
- INDICTMENTS**
Controversial problems in the consideration of indictments. S. Radzhabov, V. Pantelev. Sots. zakon. no. 3 35-39 Mr '67.
- INDIGIRKA RIVER—ICE**
Freezing regime of the mouths of the Kolyma and Indigirka. A. P. Burdykina. Trudy ANII 278 84-125 '61.
- INDIGIRKA VALLEY—GOLD ORES**
Types of gold mineralization in upper Indigirka Valley and their relationship. G. N. Gamianin. Geol. i geofiz. no. 12 45-55 '66.
- INDIUM**
Reactions of phase exchange in the system In (Hg) Fe₂S₃. L. F. Kozin, S. P. Bukhman, Z. N. Nysanbayeva. Trudy Inst. khim. nauk AN Kazakh. SSR 15 112-123 '67.
- INDIUM ANTIMONIDE CRYSTALS**
Nernst-Ettingshausen effect in doped n-type indium antimonide crystals. D. N. Nasedov, A. S. Filinchenko. Fiz. i tekhn. poluprov. 1 no. 2 221-224 F '61.
Temperature dependence of the cross section of the capture of holes in InSb. Kh. M. Abdurakhimov, A. S. Voikov, V. V. Galanov. Fiz. i tekhn. poluprov. 1 no. 2 304-305 F '67.
- INDIUM ANTIMONIDE CRYSTALS—DEFECTS**
Electric field gradient on In¹¹⁵ and Sb¹²¹ nuclei in elastically deformed InSb crystals. V. L. Bogdanov, V. V. Lemanov. Fiz. i tekhn. poluprov. 9 no. 3 928-930 Mr '67.
- INDIUM ANTIMONIDE CRYSTALS—ELECTRIC PROPERTIES**
Electric properties of compensated o-type indium antimonide. Sh. M. Mirianashvili, D. I. Nanobashvili, Z. G. Razmadze. Fiz. i tekhn. poluprov. 1 no. 2 285-287 F '67.

1973

- INDUSTRIAL MANAGEMENT (Continued)**
Some problems of improving the organization of labor in industry. E. G. Selezneva, V. G. Akseynov. Trudy VZEI no. 30 100-109 '66.
Some results of material incentives and the new methods of planning. V. K. Matytsyn. Sov. gos. i pravo no. 5 98-103 '67.
- Sverdlik, Sh. B., and S. I. Shleinberg.** [The strategy of search, economic work in industrial enterprises under the new conditions.] Strategiya poiska; ekonomicheskaya rabota na promyshlennyykh predpriyatiykh v novykh usloviyakh. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1967, 137 p.
- Technical training of workers assigned to managerial positions in 1933-1937. V. F. Bashaev. Ukr. ist. zhur. II no. 4:96-97 Ap '67.
- Tendencies in changing the relationship of the value of capital assets to the value of production. R. K. Rakhimov, Izv. AN Gadzh. SSR, Otd. obshchestv. nauk no. 3 34-45 '68.
- INDUSTRIAL MANAGEMENT—MECHANIZATION**
Mechanization of the management of an enterprise. B. S. Zlobin, Stroitel. mash. 12 no. 3:39 Mr '67.
- INDUSTRIAL MANAGEMENT—RESEARCH** see subdivision under Moscow
- INDUSTRIAL MANAGEMENT—STUDY AND TEACHING**
Higher school and improving the organization of labor. E. Kapustin, Sois. i trud. 12 no. 5 16-22 My '67.
Stimulate the development of the problem of scientific organization of labor, in the Ministry of Higher and Secondary Special Education of the U.S.S.R. Nauch. dokl. vs. shkoly, ekon. nauki 10 no. 4 113 '67.
- INDUSTRIAL PAINTING** see Painting, Industrial
- INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION**
Accounting for the equipment to be installed. V. Tennyshchev. Buhg. uch. 26 no. 4 56-59 Ap '67.
- INDUSTRIAL POWER TRUCKS**
Power supply of electric freight trolleys. I. U. D. Sibikin. Energetik 15 no. 1 25 Ap '67.
- INDUSTRIAL PROCUREMENT**
Deliveries of products manufactured by the heavy machinery industry under the new conditions. I. Gusev. Mat.-tekhn. snab. 2 no. 4 13-16 Ap '67.
Improving the supply and sale work in an enterprise. V. Gusev, Mat.-tekhn. snab. 2 no. 4 27-33 Ap '67.
Zimin, G. L. [Commercial service of an enterprise.] Kommercheskaya sluzhba predpriyatiya. [Leningrad] Lenizdat, 1967, 55 p. [Shkola sotsialisticheskogo khoz. i slovoizmeneniya]
- INDUSTRIAL PROCUREMENT—CONGRESSES** see subdivision under Northeast Economic Region
- INDUSTRIAL PROCUREMENT—FINANCE**
Improving the financial and managerial operations of specialized organizations. A. Golub, Mat.-tekhn. snab. 2 no. 4 41-44 Ap '67.
- INDUSTRIAL PROCUREMENT—MANAGEMENT**
Changing over to the new system of planning and economic incentives. Mat.-tekhn. snab. 2 no. 4 1-1 Ap '67.
- INDUSTRIAL RELATIONS**
Correspondence with readers. Agitator 15 no. 9, 51 My '67.
Origin of the doctrine of "human relations." S. A. Kovaleva. Nauch. dokl. vs. shkoly, ekon. nauki 10 no. 4 95-103 '67.
- INDUSTRIAL SAFETY**
[see also subdivision under Uzbekistan]
Consultation. Bezop. truda v prom. 10 no. 10:57-58 O '66.
Consultation. Bezop. truda v prom. 11 no. 3:55-57 Mr '67.
Consultation. Bezop. truda v prom. 11 no. 4:50 Ap '67.
Effect of age and experience of the workers on industrial traumatism. N. F. Burav, V. P. Biziaev. Bezop. truda v prom. 11 no. 5:12-13 My '67.
Industrial safety signs. V. Blokhin, A. Vlasov. Tekh. est. 4 no. 2:22-24 P '67.
Information division. Bezop. truda v prom. 10 no. 4:61-62 Ap '66.
Let us greet the great holiday with worthwhile accomplishments. Okhr. truda i sots. strakh. 10 no. 4:1-2 Ap '67.
Letters from the readers. Bezop. truda v prom. 10 no. 4:57-58 Ap '66.
Readers' letters. Bezop. truda v prom. 11 no. 3:53-55 Mr '67.
Readers' letters. Bezop. truda v prom. 11 no. 5:51-52 My '67.
Study of safety techniques in classes on technical mechanics. F. A. Trofimov. Sred. shpots obr. 13 no. 10:23-24 O '68.
Work safety is the concern of the government. Bezop. truda v prom. 11 no. 5:1-3 My '67.
- INDUSTRIAL SAFETY—PERIODICALS**
Readers' conference. Bezop. truda v prom. 11 no. 4:50-51 Ap '67.
- INDUSTRIAL SOCIOLOGY**
Substance and typology of the concept of the "cultural level and technical qualifications of workers." Z. I. Faiburg, G. P. Kozlova, V. M. Ikhachev. Nauch. dokl. vs. shkoly, ekon. nauki 10 no. 1 42-49 '67.
- INDUSTRIAL TELEVISION**
[see also subdivision under Rostov-on-Don]
About the great and important. V. Sharov, P. Korabelnikov. Sov. radio i tel. 9 no. 4:24 '66.
We are talking about the regional economic councils. A. Zelencov. Sov. radio i tel. 9 no. 1:26-27 '66.
- INDUSTRIAL WASTES**
[see also subdivision under Tyrynauz, Kabardno-Balkar A.S.S.R.]
Effect of waste water from a distillery on aquatic organism. A. N. Litvinov. Nauch. dokl. vs. shkoly, biol. nauki 10 no. 3:20-22 '67.
Efficient organization of waste rock disposal in coal mines and coal preparation plants of Donets Basin. T. F. Abramenko. Ugol' Ukr. 11 no. 3:30-31 Mr '67.
No more waste piles. I. I. Semkin, Ugol' Ukr. 11 no. 1:39 Ja '67.
Zinc recovery from industrial wastes. V. M. Nagirny, K. D. Timoshenko. TSvet. met. 34 no. 7:85-86 Ji '61.
- INDUSTRIAL WASTES—PURIFICATION**
Decontamination of waste waters of coke chemical plants by means of sulfonation. I. I. Rashkevich, V. I. Dal' Ukr. khim. zhur. 33 no. 2:205-207 '67.
- INDUSTRIES, LOCATION OF**
[see also subdivision under India]
Effective placement of new factories of the light industry in the new five-year plan. O. I. Shkaratov, K. A. Jakovenko. Leh. prom. 8 no. 2:3-5 Mr-Apr '67.
Optimizing plans for the development and distribution of industrial branches. D. Kozhevich, L. Kozlov. Plan. khoz. 44 no. 3:3-16 My '67.
- INDUSTRY—ABSTRACTS**
[Economics of industry] Ref. sbor.; Ekon. prom. no. 6 My '67.
- INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Army innovators for the national economy. N. Schastny, Tekhn. i voen. 25 no. 1:32-33 Ap '67.
- INEQUALITIES (MATHEMATICS)**
Asymptotic behavior of the number of solutions to certain Diophantine inequalities. V. G. Spindzhuk. Dokl. AN SSSR 173 no. 4:770-772 Ap '67.
Difference inequalities for functions harmonic in a circle. A. F. Timan, V. N. Tifimov. Dokl. AN SSSR 173 no. 4:777-780 Ap '67.
Differential equations and inequalities with discontinuous right-hand parts. V. M. Matosov. Dif. urav. 3 no. 3, 395-409 Mr '67.
Harnack's inequality for generalized solutions to quasi-linear parabolic equations of the second order. A. V. Ivanov. Dokl. AN SSSR 173 no. 4:752-754 Ap '67.
A method of deriving inequalities and its application to Bessel's functions. N. V. Slonovskii. Izv. vys. uch. zav. i mat. no. 4:93-102 Ap '67.
Polyhedrally closed systems of linear inequalities over an arbitrarily ordered field. S. N. Chernikov. Dokl. AN SSSR 173 no. 2 278-281 Mr '67.
Some integral inequalities. O. S. Berliand, I. M. Nazarov, P. M. Swidkii. Dokl. AN SSSR 173 no. 2 251-252 Mr '67.
- INFANCY OF ANIMALS** see Animals, Infancy of
- INFANTILEM**
Hutchinson-Filford syndrome. N. N. Labunets, K. N. Moiseeva. Ortop., travm. i protez. 28 no. 4 70-73 Ap '67.
- INFANTS—DISEASES**
Tetralogy of Fallot in infants; some problems of pathogenesis, clinical aspects and surgical treatment. B. A. Konstantinov. Vest. AMN SSSR 22 no. 4 78-84 '67.
- INFANTS (NEWBORN)**
Development of extirpative inhibition in infants during early ontogeny. R. I. Polikanina, L. N. Sergeeva. Zhur. vys. nerv. deiat. 17 no. 2:228-230 Mr-Apr '67.
- INFANTS (PREMATURE)**
Correlation between respiration and cardiac contraction rate in premature infants. E. Ch. Novikova and others. Fiziol. zhur. 53 no. 4:416-420 Ap '67.
- INFECTION**
Latent infection in the lymphatic nodes in some surgical diseases. N. V. Shitben. Khirurgiya 43 no. 4:37-39 Ap '67.
Some histochemical studies in the treatment of infected wounds with preparations of vegetal antibiotics. G. A. Tagiev. Azerb. med. zhur. 44 no. 4:82-85 Ap '67.
Some infectious complications in surgical diseases and diseases of the hematopoietic system. A. N. Chistovich. Voen.-med. zhur. no. 3:20-23 Mr '67.
- INFECTIOUS HEPATITIS** see Hepatitis, Infectious
- INFLAMMATION**
Characteristics of the development of the exudative phase of aseptic inflammation in adenocarcinoma. I. A. Orvin and others. Pat. fiziol. i eksp. terop. 11 no. 2 216-21 Mr-Apr '67.
Effect of sodium orotate on the development of aseptic inflammation and phagocytosis. I. M. Chupich, Farm. i toks. 30 no. 2 214-218 Mr-Apr '67.
Mechanism of the inhibition of inflammatory reaction during anesthesia. Pat. fiziol. i eksp. terop. 11 no. 2 217-218 Mr-Apr '67.
Use of ultrahigh frequency pulse electric field as a physical factor in acute inflammatory infiltrates. Lymphadenites. M. N. Starikova. Sov. med. 30 no. 66-68 Mr '67.
- INFLUENCE OF ALTITUDE** see Altitude, Influence of
- INFLUENZA VIRUSES**
Effect of influenza virus on the genesis of tumors in animals following administration of urethane. A. F. Filov. Vop. eksp. onk. no. 2 32-35 '66.
Study of the reproduction of the type-2 parainfluenza virus by means of the fluorescent antibody technique. F. S. Noskov and others. Voen.-med. zhur. no. 4 12 55 Ap '67.
- INFORMATION SERVICES**
Year of work according to the new methods. T. K. Ivarova. Bibliotekar' 14 no. 4 15-16 Ap '67.
- INFORMATION STORAGE AND RETRIEVAL SYSTEMS**
[see also subdivision under Ukraine]
Orehov, P. M. [Organization of scientific and technical information in the U.S.S.R.] Organizatsiya nauchno-tekhnicheskoi informatsii v SSSR, Moskva, 1967, 63 p. (Teoriya i organizatsiya nauchno-tekhnicheskoi informatsii; lektii)
Problems of the storage and search of information. P. Vasvan. NTI Ser. 2 no. 3 9-16 '67.
Zhak, D. K., and T. I. Silina. [The organization of reference systems and catalogs of district libraries, a practical manual.] Organizatsiya fondov i katalogov referat i bibliotek; prakticheskoe posobie. Moskva, Kulga, 1967, 128 p.
- INFRARED HEATING**
Using infrared emitter for heating farm houses. V. K. Murzin, V. V. Lysenko. Gaz. prom. 12 no. 4 26-28 Ap '67.
- INFRARED PHOTOGRAPHY** see Photography, Infrared
- INFRARED RAYS**
Application of infrared spectroscopy in the study of crystalline substances. V. A. Florinskii, I. S. P. kina. Kristallografiya 6 no. 1:127-133 Ja-I '61.
Drying laurel leaves with infrared rays. P. L. Gligorovich, M. D. Lazaretskii. Subtrop. khim. no. 4 55 '67.
- INFRARED RAYS—INDUSTRIAL APPLICATIONS**
Use of infrared radiation for the thermal exhaustion of oil from canned products in glass containers. I. I. Kogan, I. U. D. Ref. Kons. i ov. prom. 22 no. 4 9-11 Ap '67.
- INFRARED SPECTROMETRY**
Intensity of $\nu(A - I)$ infrared bonds and the hydrogen bond. Part 1: H-complexes of phenol with a series of ethers and benzene. A. V. Ioganson, B. V. Rassadin. Zhur. prikl. spekt. 6 no. 4:402-500 Ap '67.
Use of infrared spectroscopy for the diagnosis of malignant neoplasms. M. M. Petiaev. Vop. eksp. onk. no. 2 234-238 '66.
- INFRARED SPECTRUM** see Spectrum, Infrared
- INFRASONIC WAVES**
Measurement of infrasonic electromagnetic fields in the air using a synchronous capacitive charge accumulation technique. U. S. Valeev. Avionetrika no. 1:64-61 Ja-F '67.
- INFUSORIA**
Participation of adenosine triphosphate in the motor function of Tetrahymena pyriformis. S. A. Burnasheva, T. P. Karasheva. Biokhimiya 32 no. 2 270-276 Mr-Apr '67.
- INGOT MOLDS**
Temperature field of a flat wall of a continuous ingot mold. P. I. Khristichenko, G. A. Didenko. Izv. vys. uch. zav. Chern. met. 10 no. 3:153-157 '67.
Titanium inoculation of cast iron for ingot molds. I. A. Petrov, I. U. A. Lezov. Stal' 27 no. 3:227 Mr '67.
- INGUINAL HERNIA**
Selection of the method of inguinal herniotomy. A. I. Bayshnikov. Sov. med. 30 no. 3:80-85 Mr '67.
- INGUL VALLEY—ALLUVIUM—ANALYSIS**
Characteristics of the mineralogical composition of the alluvial sedimentation of the Ingul River basin. I. U. Kononov, K. M. Zarutskiy, A. I. Volotskaya. Dop. AN URSR no. 1:81-84 '61.

INGULETS VALLEY (UKRAINE)—LOESS

Mineralogical characteristics of loess in the northern part of the Ingulets River basin. K. M. Zaitseva, V. I. Melnyk. *Dop. AN URSS* no. 178-80 '61.

INHIBITION (CHEMISTRY)

Effect of inhibitors on the oxidation of magnesium sulfite to magnesium sulfate by atmospheric oxygen in the presence of nitrogen oxide traces. M. G. Manvelian and others. *Zhurn. prikl. khim.* 34 no. 3 934-936 Ap '61.

Elimination of the inhibition of electrode reaction by means of intermediate reagent. I. P. Chernobay, M. A. Loshkarev, Uki, khim. zhurn. 33 no. 3:253-257 '67.

Possibility of using 2-nitryl-1, 3-bisulfonyl in the method of inhibitors. V. V. Moliseev, L. P. Zalukayev. *Zhurn. org. khim.* 3 no. 4:731-736 Ap '67.

2-Aryl-1, 3-indandione in radical reactions. Relationship between structure and antioxidant capacity. V. V. Moliseev, L. P. Zalukayev, *Zhurn. org. khim.* 3 no. 4:731-734 Ap '67.

INJECTIONS, INTRA-ARTERIAL

Intra-arterial introduction of medicinal substances as a special method of local therapy. I. I. Kieindlin, I. S. Kaitici. *Khirurgiya* 43 no. 4:117-121 Ap '67.

INJECTORS—TESTING

Investigating water-air injector with helical nozzles. N. I. Gel'perin, B. N. Eshagin, *Khim. i nef. mashinostr.* no. 5:12-15 My '65.

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INLAND WATER TRANSPORTATION see subdivision under Siberia, Western

INORGANIC ACIDS see Acids, Inorganic

INSCRIPTIONS see subdivision under Cimmerian Bosphorus (Kingdom); Maykop

INSCRIPTIONS, GREEK see subdivision under Chersonese (City); Taman Peninsula

INSECTICIDES

Effect of hexachlorobutadiene on soil micro-organisms. N. P. Pavlishina, *Fil. i mek. boi's nel* no. 2:27-31 '66.

Effect of hexachlorobutadiene on the nitrogen and moisture conditions of soils. V. V. Khoroshilov, *Fil. i mek. boi's nel* no. 2:32-36 '66.

Effect of hexachlorobutadiene on the physiology of grapevines. I. F. Slonovskii, N. E. Karaman, *Fil. i mek. boi's nel* no. 2:21-26 '66.

Polarographic determination of the residual quantity of hexachlorobutadiene in soil. I. U. S. Lialkov, A. S. Solonari, *Fil. i mek. boi's nel* no. 2:39-41 '66.

Results of studying the effect of hexachlorobutadiene on Phylloxera and on grapevines. (A. I. Prints, V. M. Kozlov, I. F. Slonovskii, *Fil. i mek. boi's nel* no. 2:13-20 '66).

Poisonal effect of heptachlor and hexachloran on wireworms as related to the temperature and pH of soil. L. P. Filimova, *Khim. v sel. khoz.* 5 no. 4:19-20 Ap '67.

Use of systemic preparations for controlling the spruce leaf miner *Aspeyresia piceana*. V. S. Bikhoshko, *Khim. v sel. khoz.* 5 no. 4:21-22 Ap '67.

INSECTS—DEVELOPMENT

Development of *Cricotopus silvestris* (Diptera, Chironomidae). B. A. Rudova. *Trudy Inst. biol. vnutr. vod.* no. 12:199-213 '66.

INSECTS—LARVAE see Larvae—Insects

INSECTS, AQUATIC

Axillary region of the wings in Hydrorissae (Hemiptera-Heteroptera). L. V. Puchkova. *Dop. AN URSS, Ser. B* 29 no. 1:81-84 Ja '67.

Spring observations of nature water measures. V. A. Tettirev. *Nach. shkola* 35 no. 4:70-82 Ap '67.

INSECTS, INJURIOUS AND BENEFICIAL see subdivision under Azerbaijan; Caucasus

INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

(see also subdivision under Ukraine)

Effect of drying procedure on yield, viability and virulence of *Beauveria bassiana* (Bals) Vuill. spores. V. M. Goral. *Pril. biokhim. i mikrobiol.* 3 no. 2:215-217 Mr-Apr '67.

Natural enemies of *Aspeyresia piceana* L. (Lepidoptera, Tortricidae) and the influence of chemical treatment on their beneficial activity. N. K. Gopindashvili, T. N. Novitskaya. *Ent. oboz.* 46 no. 1:70-74 '67.

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL see subdivision under Kuba District

INSTRUMENT INDUSTRY

Export exports. N. Vasil'ev. *Vnesh. torg.* 47 no. 3:17-18 '67.

INSTRUMENT INDUSTRY—MANAGEMENT

A new service; its concerns and difficulties. E. Vannakh. *Sots. trud* 12 no. 5:101-108 My '67.

INSTRUMENT MANUFACTURE

The Fourth All-Union Scientific and Technological Conference on the technology of instrument manufacture. M. P. Tatakhi. *Mekh. i avtom. proizv.* 21 no. 4:51-52 '67.

INSTRUMENTS—RELIABILITY

Melamedov, I. M. [Engineering evaluation of the reliability of technical devices] *Ob izhenii not ostenke nadezhnosti tekhnicheskikh ustroystv.* Leningrad, 1966. 42 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Ser. Uchebnye kachestva, povyshenie nadezhnosti i dolgozhechnosti mashin, priborov i d. uglikh Azonyshlennyykh izdelii)

INSULATING MATERIALS

Gorshenina, G. L., and N. V. Mikhailov. [Polymer-bituminous insulating materials] *Polymer-bitumnyye izolatsionnye materialy.* Moskva, Nedra, 1967. 239 p.

INSULATING OILS

Dzhuvarly, Ch. M., and others. [Ways of improving the quality of transformer oils] *Puti uluchsheniya kachestva (transformatornykh masel).* Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1967. 175 p.

INSULIN

Effect of insulin on metabolism of hypophysectomized rats of different age. V. N. Nikitin, A. I. Kimenko, *Uch. zap. KIGU* 131:126-134 '62.

Possible pathways of insulin biosynthesis. S. A. Morankova, M. A. Zaidenberg. *Dokl. AN SSSR* 173 no. 5:1218-1221 Ap '67.

Utilization of parenterally introduced CM insulin by organs and tissues. M. G. Kitman and others. *Dokl. AN SSSR* 173 no. 4:974-977 Ap '67.

INSURANCE, SOCIAL

(see also subdivision under Czechoslovakia; Poltava Province)

Answering our readers' questions. *Sov. iust.* 31 no. 7:30 Ap '67.

Important factor. B. Konnov, V. Vitsenovskaya. *Okh. i truda i sots. strakh.* 10 no. 5:10-11 My '67.

In line with the principle of socialist humanism. V. Barylin. *Okh. i truda i sots. strakh.* 10 no. 5:8-10 My '67.

Lenin's insurance program. N. Efremova. *Okh. i truda i sots. strakh.* 10 no. 4:3-4 Ap '67.

INTAKES (HYDRAULIC ENGINEERING)

Full-scale studies of intakes with bottom grates. N. G. Kusteladze, Z. N. Danelia. *Trudy GPI [Gruz.]* no. 2:158-171 '64.

INTEGRAL EQUATIONS

Application and development of a new method for determining and calculation local radiation characteristics. I. U. A. Sunikov. *Izv. AN SSSR, Energet. i transp.* no. 2:150-169 Mr-Apr '67.

Distribution of electricity on a thin hyperboloidal segment. N. N. Lebedev, I. P. Skalk'kaia, *Zhur. vych. mat. i mat. fiz.* 7 no. 2:348-356 Mr-Apr '67.

Estimate of the difference between the solutions to two Fredholm integral equations. B. A. Bel'tukov. *Uch. zap. Irk. gos. ped. inst.* no. 20:220-224 '64.

Fredholm integral equations of the first kind. *Dif. urav.* 3 no. 3:110-121 Mr '67.

Integral equations of the first order in some problems of electrodynamics. E. N. Vasil'ev, G. D. Malushkov, A. A. Palum. *Zhurn. tekhn. fiz.* 37 no. 3:421-430 Mr '67.

A method for the approximate solution of Volterra-type integral equations. D. I. Shil'krut. *Izv. AN Mold. SSR* no. 4:107-110 '66.

Positive and monotone solutions to Volterra integral equations. V. R. Vinokurov. *Izv. vyz. ucheb. zav.; mat.* no. 4:40-46 Ap '67.

Qualitative study of some integral equations on a semifield. F. D. Berkovich. *Izv. vyz. ucheb. zav.; mat.* no. 4:13-18 Ap '67.

Reducibility of some first-order integral equations in the theory of elasticity and hydrodynamics to second-order equations. S. G. Samko. *Pril. mat. i mekhn.* 31 no. 2:343-345 Mr-Apr '67.

Regularization of singular integral equations with a shift obeying a generalization of Carleman's conditions. A. S. Sosunov. *Izv. vyz. ucheb. zav.; mat.* no. 4:103-111 Ap '67.

Representation of the solution of a class of nonlinear operational equations. E. A. Begovtsov. *Uch. zap. Kaz. un.* 125 no. 2:101-105 '65.

Singular integrals and equations in the problems of hydrodynamics. V. M. Ivchenko. *Gidrodin. bol'skor.* no. 3:31-37 '67.

Solution of integral equations by expansion in series over the parameter. B. A. Bel'tukov. *Uch. zap. Irk. gos. ped. inst.* no. 20:193-197 '64.

Use of Bateman's method in the approximate solution of Fredholm integral equations. B. A. Bel'tukov. *Uch. zap. Irk. gos. ped. inst.* no. 20:177-184 '64.

Use of the collocation method in solving loaded integral equations. M. F. Kaspshyt'ska. *Dop. AN URSS, Ser. A* 29 no. 4:303-307 Ap '67.

INTEGRALS

Accurate estimates of the approximation of quadrature formulas in the integration of infinite functions. Dzh. G. Sanik'kze. *Sob. AN Gruz. SSR* 45 no. 2:297-304 Mr '67.

Calculating one-dimensional singular integrals in the problems of hydrodynamics. L. N. Bugunova. *Gidrodin. bol'skor.* no. 4:90-96 '67.

Decomposition of an arbitrary function into an integral over squares of Legendre's functions with complex marks. N. N. Lebedev. *Dif. urav.* 3 no. 3:422-435 Mr '67.

Equivalence of methods of improper integration. A. D. Myshkis, P. A. M. shikis. *Teor. funkts. i funk. anal. i ikh prilozh.* no. 3:95-98 '66.

Estimation of sequential integrals of periodic functions. E. A. Bredikhina. *Izv. vyz. ucheb. zav.; mat.* no. 4:19-25 Ap '67.

Formulae of inversion of the fundamental integral representation of x^k -analytic functions of the variable $z = x + iy$ when k is equal to an odd integer. H. M. Polo-zhili. *Dop. AN URSS, Ser. A* 29 no. 4:315-319 Ap '67.

Integrals over an orthoprojector chain. A. M. Brodskii. *Izv. AN Mold. SSR* no. 4:50-64 '66.

Restoration of a function through integrals over rotational ellipsoids having one stationary focus. V. G. Romanov. *Dokl. AN SSSR* 173 no. 4:766-769 Ap '67.

Set of singularities of metaharmonic functions. A. A. Kozmanova, A. V. Meris. *Mat. zap. Ural. mat. ob-va UGU* 7 no. 2:66-70 '65.

Shilov, G. E., and Pan Dyk Tin'. [Integral, measure, and derivative in linear spaces] *Integral, mera i polzovaniya na lineinykh prostranstvakh.* Moskva, Nauka, 1967. 102 p.

INTEGRALS, GENERALIZED

A constructive theory of the Riemann integral. B. A. Kushner. *Dokl. AN SSSR* 165 no. 6:1238-1240 D '65.

Hellinger's abstract integral. I. I. Aleksandrov. *Izv. vyz. ucheb. zav.; mat.* no. 4:3-12 Ap '67.

Stieltjes' double operator integrals. M. Sh. Birman, M. Z. Solomint. *Dokl. AN SSSR* 165 no. 6:1223-1226 D '65.

INTEGRALS, MULTIPLE

Method of calculating multicentered integrals. V. Vana-gas. *Teoret. i ekspir. khim.* 3 no. 1:24-34 Ja-F '67.

INTEGRATORS

Integrating devices. V. I. Mel'nikov, I. V. Rozen, Blul, tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 4:25-27 Ap '67.

INTEGRODIFFERENTIAL EQUATIONS

Algebraic continuity of the solutions to a class of systems of nonlinear integrodifferential equations. P. I. Golovachik. *Uch. zap. Irk. gos. ped. inst.* no. 20:274-278 '64.

Boundary value problems for differential and integrodifferential equations in $W_{p_1 \dots p_k}^{m_1 \dots m_k} W_{p_1 \dots p_k}^{m_1 \dots m_k} W_{p_1 \dots p_k}^{m_1 \dots m_k}$ spaces. V. I. Kondashov. *Dokl. AN SSSR* 165 no. 6:1231-1234 D '65.

Continuity of the solutions to a certain class of systems of nonlinear integrodifferential equations. P. I. Golovachik. *Uch. zap. Irk. gos. ped. inst.* no. 20:198-202 '64.

Numerical solution of the Cauchy problem for a class of nonlinear integrodifferential equations. M. I. A. Lashchenko. *Dop. AN URSS, Ser. A* 29 no. 4:307-311 Ap '67.

Solution of linear integrodifferential equations with degenerate kernels. M. F. Pochkistova. *Uch. zap. Irk. gos. ped. inst.* no. 20:251-256 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

Solution of the Cauchy problem for a class of nonlinear integrodifferential equations of the first kind. K. G. Takatshvili. *Uch. zap. Irk. gos. ped. inst.* no. 20:300-304 '64.

REFERENCE (LIGHT)

Effect of the incoherent component of electron scattering on the visibility of an interference pattern. I. G. Stomnova, I. P. Anashkin. Dokl. AN SSSR 173 no. 5: 1052-1054 Ap '67.

Interparticle interference in light scattering by submicron inhomogeneous glasses. N. S. Amireev, T. I. Elshova. Dokl. AN SSSR 172 no. 6: 1299-1302 F '67.

INTERFEROMETER

General properties of dispersion interferometers. V. A. Savich. Radiotekhnika i elektronika 12 no. 4: 606-612 Ap '67.

LIN-1 laboratory interferometer. B. V. Vlasov, V. I. Gazezinskiy, V. N. Kologriyev. Zhur. prikl. spekt. 6 no. 4: 554-562 Ap '67.

INTERFEROMETRY

Formation and decay of boundary interlayers in chromium ferrite. V. N. Gridnev, O. I. Efimov. Dop. AN URSS no. 1: 22-21 '67.

Producing interference modulation in sesame-type and Fourier spectrometers with the aid of cam gears. V. M. Alshupov, P. P. Parshin. Zhur. prikl. spekt. 6 no. 1: 416-433 Ap '67.

INTERINDUSTRY ECONOMICS—MATHEMATICAL MODELS

Mathematical modeling of production and interregional exchange of products. A. Nurullayev, Nauch. dokl. vyssh. shkoly, ekon. nauk 10 no. 4: 58-67 '67.

INTERIOR DECORATION

Sereduk, I. I. [Standard of your apartment] Kul'tura zhizni v zhil'nykh. Kiev, Budivelnik, 1967. 148 p.

INTERMETALLIC COMPOUNDS

Effects of atomic ordering in ternary solid solutions based on Ni₃Fe and doped with the elements of Group VI Cr, Mo, and W. I. L. Eganov, I. P. Seliskii. Dokl. AN SSSR 173 no. 2: 325-328 Mi '67.

Electrochemical methods of isolating carbides and intermetallics from alloys and alloys. M. P. Baum, M. F. Natanson. Dop. AN URSS no. 10: 13:12-13:45 '65.

Isolation of intermetallic compound Ni₃Al from heterogeneous nickel alloys by the anodic dissolution method. M. F. Natanson, V. H. Chornyi, N. L. Babul'ska. Dop. AN URSS no. 2: 165-67 Ja '67.

Selective isolation and study of intermetallic and carbide phases from Ni-Cr-Al-C alloys. R. B. Golubtsov. Dokl. AN SSSR 173 no. 2: 345-349 Mi '67.

Ternary fcc phases in systems Fe-Cu-Zn, Fe-Cu-Co, and Fe-Cu-Ga. M. H. Teitel'baum, G. I. Olchakov. Dop. AN URSS no. 10: 1329-1331 '65.

INTERNAL COMBUSTION ENGINES

Experimental determination of the instantaneous gas temperature in the outlet system of internal combustion engines. M. G. Kruglov, I. N. Pavlovich. Izv. vuzov, mashinost. 12 no. 7: 74-79 '67.

Guglin, A. M. [High-speed piston engines; handbook] Dvishokhodnyye porshnevyye dvigateli, spravochnik. Leningrad, Mashinostroyeniye, 1967. 259 p.

Model for investigating the effect of exhaust system on the gas exchange in a four-stroke engine. M. G. Kruglov, V. P. Strizhkov, O. V. Tereskin. Izv. vuzov, mashinost. 12 no. 1: 109-112 '67.

Specifying the methods for calculating processes of free exhaust of two-stroke internal combustion engines. G. S. Novikovsky. Izv. vuzov, mashinost. 12 no. 1: 117-122 '67.

Using nonstationary sources and outlets for calculating the nonlinearity of gas-dynamic processes in exhaust systems of internal combustion engines. D. V. Mungitukov. Summolekul. i tekhn. vozd. dlya no. 7: 22-27 '66.

INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Thermal conditions of the work of pin injector of the SMD-14 engine. I. V. Lushchitskiy. Tekhn. protzv. no. 2: 81-84 Mr-Apr '67.

INTERNAL CONVERSION (NUCLEAR PHYSICS)

Allowing for the shielding of a nuclear film in calculating the internal conversion coefficients. E. M. Anderson, E. K. Anderson, V. F. Titov. Izd. fiz. 5 no. 1: 741-745 Ap '67.

INTERNAL FIXATION IN FRACTURES

Compression osteosynthesis in arthrodesis of the shoulder joint in experimental analysis of the musculature deltoides. A. K. Pechenkin. Ortop., travm. i protez. 26 no. 4: 56-57 Ap '67.

Compression osteosynthesis with a screw in fractures of the clavicle. L. A. Saitarov. Ortop., travm. i protez. 26 no. 4: 57-60 Ap '67.

Surgical tactics in trochanteric fractures of the hip. B. I. Nikiforov. Ortop., travm. i protez. 26 no. 4: 7-13 Ap '67.

INTERNAL FRICTION

High-temperature internal friction in nickel-chromium alloys. V. N. Gridnev, A. I. Efimov, N. P. Kushnareva. Fiz. met. i metalloved. 23 no. 4: 715-721 Ap '67.

Methods of calculating scattered energy during amplitude dependent internal friction. I. U. K. Pavlov, Izv. AN SSSR. Met. no. 2: 162-164 Mr-Apr '67.

INTERNAL FRICTION, EFFECT OF RADIATION ON

Effect of gamma rays on the mechanical relaxation spectrum of aluminum in the temperature range of 150° to 300°K. I. A. Naakideshiy, V. A. Melik-Shakhnazarov, I. N. Bydlinskaya. Fiz. met. i metalloved. 23 no. 4: 735-736 Ap '67.

INTERNATIONAL BANK FOR ECONOMIC COOPERATION
Developing financial and economic relations in the world socialist system. K. Larionov. Fin. SSSR 41 no. 4: 43-55 Ap '67.

Foreign exchange-financial cooperation of the countries participating in the Mutual Economic Assistance Council. L. Sulhaeva. Plan. khoz. 44 no. 5: 77-81 My '67.

INTERNATIONAL BROADCASTING

(see also subdivision under Moscow)

Radio, Paris-Moscow speaking. V. Sedykh, I. Subinov. Sov. radio i tel. 9 no. 1: 19-20 '66.

International cooperation. A. Kuchiy. Sov. radio i tel. 9 no. 6: 45 '66.

The question and answer program "Our friendship." V. Shilenov. Sov. radio i tel. 9 no. 6: 14-15 '66.

INTERNATIONAL COUNCIL FOR SCIENTIFIC MANAGEMENT

The 14th Congress of International Council for Scientific Management. Sots. i nauka 12 no. 5: 143-146 My '67.

INTERNATIONAL ECONOMIC RELATIONS

An international scholarly conference. V. Kormul'tseva. Mezhdunar. zhurn. 11 no. 5: 155-156 '67.

INTERNATIONAL EDUCATION

International ties of schools. I. A. S. Kili'ushchev. Sov. pedag. 31 no. 4: 66-69 Ap '67.

INTERNATIONAL LAW ASSOCIATION

The Tenth Annual Meeting of the Soviet International Law Association. L. V. Korb. Sov. gos. i prav. 5 no. 150-153 My '67.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERNATIONALISM

Dynamic power of proletarian internationalism. Kommunist 41 no. 7: 3-13 My '67.

Promoting the ideas of proletarian internationalism. F. Makarov. Kommunist 44 no. 7: 120-126 My '67.

INTERPLANETARY MATTER

Theory of Parker's solar wind. Part I. Currents with a polivertic source of heat. M. V. Fomul'kov. Geomag. i aer. 7 no. 2: 217-225 Mr-Apr '67.

INTERPOLATION

A class of interpolation problems. I. U. A. Koz'min. Dokl. AN SSSR 173 no. 4: 762-765 Ap '67.

INTERSTELLAR GASES see Gases, Interstellar

INTERSTELLAR MATTER

Position of the gas-dust layer in galaxy M 31. E. N. Makarenko. Astrofizika 3 no. 1: 97-101 F '67.

INTERVERTEBRAL DISK—DISEASES

Combined use of traction, rotation, and vibration in the treatment of lumbar discopathies. R. Sandoz, Ortop., travm. i protez. 26 no. 4: 34-36 Ap '67.

Lesions of the spinal cord in discopathies of the cervical, thoracic and lumbar portions of the spine. D. R. Shul'man and others. Sov. med. 30 no. 3: 36-43 Mi '67.

INTESTINES

Distribution of some enzymes (amylase, invertase, dipeptidase, lipase and monoglyceride lipase) between content and mucous membrane of the small intestine in dogs and rats during digestion. N. N. Iezuitova and others. Dokl. AN SSSR 173 no. 2: 475-478 Mr '67.

Participation of different regions of the cerebral cortex in the regulation of absorption processes in the small intestine. R. O. Teitelberg, P. N. Vengrichinnovskii. Fiziol. zhurn. 53 no. 3: 274-279 Mr '67.

Shvagin, G. K. [Intestinal enzymes under normal conditions and in pathology] Fermenty kishechnika v norme i patologii. [Leningrad] Meditsina, 1967. 270 p. (DNLM)

INTESTINES—ABNORMALITIES AND DEFORMITIES

Rare congenital developmental anomaly of the large intestine. N. I. Lobetskii. Khirurgiya 43 no. 4: 140-141 Ap '67.

INTESTINES—CANCER

Kinetics of the survival of patients with cancer of the distal part of the intestine. N. M. Emanuel' and others. Izv. AN SSSR. Ser. biol. no. 3: 404-412 My-Je '67.

INTESTINES—DISEASES

Clinical aspects and treatment of urogenital and intestinal schistosomiasis. A. P. Pekshev, Voen.-med. zhurn. no. 4: 10-45 Ap '67.

Combination of isolated intestinal ligation with Treitz's hernia. E. G. Gurova, I. A. Lovchev. Khirurgiya 43 no. 1: 112-113 Ap '67.

Dangerous enemy. I. U. Tendetnik. Ochr. i zdr. i soc. strakh. 10 no. 5: 32-33 My '67.

Operative methodology in volvulus. M. A. El'kin, V. P. Kleshechovnikova. Khirurgiya 43 no. 4: 78-83 Ap '67.

Pichkur, I. F. [Epidemiology and prevention of bacterial and virus intestinal infections; manual for subprofessional medical personnel] Epidemiologiya i profilaktika bakterial'nykh i virusnykh kishchnykh infektsii, posredstva srednikh meditsinskikh rabotnikov. Moskva, Vses. izd. 1967. 210 p. (Biblioteka srednego medrabotnika) (DNLM)

INTESTINES—INNERVATION

Adaptation of interoceptive reflexes from the mechanoreceptors of small intestine. I. U. M. Gal'perin, S. P. Koshechkova, E. G. Mikhnevich. Biol. eksp. biol. 1 no. 63 no. 4: 11-16 Ap '67.

Correlation between afferent and efferent impulses in intestinal nerves and the motor activity of the smooth muscle. N. M. Baklykova, A. D. Volkova, I. U. M. Gal'perin. Fiziol. zhurn. 53 no. 4: 425-430 Ap '67.

INTESTINES—INTUSSUSCEPTION

Errors in the diagnosis of invagination of the large intestine in adults. G. A. Sorokin. Khirurgiya 43 no. 7: 78-80 Ap '67.

INTESTINES—OBSTRUCTIONS

Acute intestinal obstruction due to a semicircular ectopic testicle. A. Z. Nechiporenko, Urologiya 25 no. 3: 61 My-Je '60.

Comparison of X-ray and operative data in acute intestinal obstruction. E. C. Ababanel', E. N. Al'tshuler. Khirurgiya 43 no. 4: 83-90 Ap '67.

Hemodynamic disorders in experimental acute intestinal obstruction. M. A. Dolgov. Trudy Oren. otd. Vses. fiziol. ob-va no. 3: 74-77 '64.

Intraintestinal introduction of antibiotics in acute intestinal obstruction. Z. S. Kolesnikov. Khirurgiya 43 no. 1: 147-148 Ap '67.

Repeated acute intestinal obstruction. A. G. Isakharov. Khirurgiya 43 no. 4: 83-85 Ap '67.

INTESTINES—RUPTURE

Spontaneous ruptures of small intestine. V. V. Vukobratov. Sov. med. 30 no. 3: 115-117 Mi '67.

INTESTINES—SECRETIONS

Periodic secretion of intestinal glands in dogs following emotional excitation. N. V. Maevskaya, I. U. M. Gal'perin. Biol. eksp. biol. med. 63 no. 5: 15-17 My '67.

INTESTINES—SURGERY

Methodology of surgical treatment of external intestinal fistulas and the selection of operations for their closure. F. L. Lavrov. Khirurgiya 43 no. 1: 111-117 Ap '67.

Operative methodology in volvulus. M. A. El'kin, V. P. Kleshechovnikova. Khirurgiya 43 no. 4: 78-83 Ap '67.

Volichenko, V. M. [Repairing of defects of the large intestine and rectum with the use of ileotransplants] Zameshchenie defektov tolstoi i priamoi kishki ilio transplantatom. Minsk, "Belarus", 1967. 167 p. (DNLM)

INTESTINES—TRANSPLANTATION

Our results in intestinal plastic surgery in urology. V. P. Frankin. Urologiya 25 no. 3: 10-18 My-Je '60.

INTESTINES—TUMORS

Cancer of the vermiform process in a 18-year-old child with diffuse polyposis of the rectum and large intestine. P. F. Kallioevskii, V. L. Rivkin, I. U. M. Gal'perin. Arkh. pat. 29 no. 4: 70-72 '67.

Soluble antigens of polyps of the large intestine in man. L. A. Liodogovskaya, V. L. Rivkin. Vop. onk. 13 no. 4: 39-45 '67.

INTRA-ARTERIAL INJECTIONS see Injections, Intra-arterial

INTRACRANIAL ANEURYSMS

Zlotnik, E. I. [Aneurysms of cerebral vessels] Aneurizmy sosudov golovnoy mozga. Minsk, "Belarus", 1967. 205 p. (DNLM)

INTRACRANIAL PRESSURE

Dynamic control of intracranial pressure based on the observation of spontaneous pulse of the central retinal vein. M. A. Bardichevskii. Zhur. nevro i psiki. 67 no. 4: 529-534 '67.

Dynamics of pulse waves of the intracranial pressure during transverse accelerations (up to 40 g). I. U. M. Gal'perin and others. Izv. AN SSSR. Ser. biol. no. 3: 396-403 My-Je '67.

INTRATRACHEAL ANESTHESIA

Anesthesia of the respiratory tract. V. I. Semenov. Sov. med. 27 no. 8: 11-44 Ag '63.

INVENTIONS

(see also subdivision under Europe, Eastern)

Kovalev, V. I. [Road to invention] Put' k izobreteniyu. [Leningrad] Lenizdat, 1967. 142 p. (Biblioteka izobretatel' i racionalizatora)

Leontiev, A. M. [How to evaluate inventions] Kak otsenivat' izobreteniya. [Leningrad] Lenizdat, 1967. 96 p. (Biblioteka izobretatel' i racionalizatora)

INVENTORS

Authors' collectives in the development of inventions.
L. A. Ignatov. Vop izob. no 2 35 1' '67
A new procedure for awarding university degrees and
confering scientific titles for inventions and dis-
coveries. E. N. Evgen'ev. Vop izob. no 2 36-38
F '67

INVENTORS—LAW AND LEGISLATION

Privileges for inventors and innovators. I. A. Zenn.
Vop izob. no 3 59-62 M '67

INVESTMENTS

Bourgeois political economy and the investment policy.
A. M. Ioskovskii. Mir. ekon. i mezhdunar. otn. no 4 14-
29 '67.

INVESTMENTS, AMERICAN see subdivision under
Europe, Western; Nicaragua

INVESTMENTS, FOREIGN see subdivision under
Indonesia; Kazakhstan

INVESTMENTS, JAPANESE see subdivision under
Latin America

IODATES

Determination of microgram quantities of iodide on the
basis of its catalytic effect on the oxidation of arsenites
by iodates. V. F. Topopova, L. M. Tamnichenko. Zhur.
anal. khim. 22 no 2 234-239 F '67

IODIDES

Activity of iodide peroxidase of thyroid gland changed by
goiter. V. A. Odnokozova, N. B. Shlange. Arkh. pat. 29
no 3 42-46 '67.

Determination of microgram quantities of iodide on the
basis of its catalytic effect on the oxidation of arsenites
by iodates. V. F. Topopova, L. M. Tamnichenko. Zhur.
anal. khim. 22 no 2 234-239 F '67

Effect of iodide ions on the cathodic behavior of cobalt
in sulfate solutions. I. D. Zytner, A. L. Reisman.
Zhur. prikl. khim. 10 no 1 93-920 Ap '67.

Water of main rivers in Soviet Union containing bromine
and iodide. T. Kh. Kolesnikov, G. S. Kononov.
Gidrobiol. mat. 12 70-81 '66.

IODINE—EFFECT ON PLANTS see Plants, Effect of
iodine on

IODINE CHLORIDES

Solubility isotherm of the system $\text{RbCl} - \text{ICl}_3 - \text{ICl} - \text{H}_2\text{O}$
at 0°C. A. A. Fokeev, B. D. Stepin. Zhur. neorg. khim.
12 no 3 809-812 M '67.

System $\text{RbCl} - \text{ICl}_3 - \text{ICl} - \text{H}_2\text{O}$ at 25°C. B. D. Stepin,
A. A. Fokeev. Zhur. neorg. khim. 12 no 1 110-1107
Ap '67.

IODINE ISOTOPES—THERAPEUTIC USE

Content of stable acids in patients with thyrotoxicosis
treated with ^{131}I . V. M. Udol, N. I. Kur'mak. Med. rad.
12 no 1 15-18 Ap '67

State of the peripheral blood and bone marrow in patients
with diffuse toxic goiter following treatment with ^{131}I .
B. L. Dorozets and others. Med. rad. 12 no 4 31-44
Ap '67.

ION BEAMS

Density distribution of an ion current along the cathode
in Penning discharge. L. M. Ruditskii. Zhur. tekhn. fiz.
37 no 5 927-931 M '67.

Some characteristics of the focusing of ion beams by
linear stationary fields. I. U. P. Sivkov. Zhur. tekhn. fiz.
37 no 1 659-665 Ap '67.

Synthesis of ammonia on iron as studied by the method
of secondary ion-ion emission. V. I. Rynchko, I. A. M.
Fogel', V. I. Kolot. Dokl. AN SSSR 172 no 6 1353-1356
F '67.

ION BOMBARDMENT

Irradiation of thin layers of CuTe by cadmium ions.
L. S. Smirnov, G. A. Kaurina, A. E. Gorodetskiy. Fiz.
tverd. tela 9 no 3 719-722 M '67.

ION EXCHANGE

Analysis of minerals containing boron with application of
ion exchange and complexometry. Trudy VSEGEI 128:
157-160 '66.

Analysis of phosphate minerals using ion exchange. I. A.
Bollorova, A. S. Akel'eva. Trudy VSEGEI 128:179-
185 '66.

Complete analysis of apatite and galenite using ion
exchange and complexometry. G. V. Shcherbovich.
Trudy VSEGEI 128:200-206 '66.

Effect of various physicochemical factors on equilibrium
during ion exchange in the sodium-potassium system.
I. I. Ignatov, T. G. Muratov. Zhur. ob. khim. 37 no 3:
521-524 M '67.

Electrolytic ion exchange regeneration of Hilon B from
copper ethylenediaminetetraacetate. A. V. Goriadovskii,
I. U. S. Gulinov. Zhur. prikl. khim. 34 no 4 936-938
Ap '61.

Ion-exchange separation of rhenium from alkaline solu-
tions. K. B. Ibedev, S. A. Ageev. Izv. AN Kazakh.
SSR. Ser. khim. 17 no 2 5-11 M 'Ap '67.

Mechanism of exchange of lithium ions between crystals
and saturated solutions of lithium hydroxide in sulfate.
E. D. Kiznets, L. M. Iakimenko. Zhur. prikl. khim. 40
no 4 752-756 Ap '67

Swelling of KU-2 cation exchanger in alkali metal ion
exchange for hydrogen ions. I. P. Shamalskaya, V. P.
Maleshko. Zhur. fiz. khim. 41 no 4 853-857 Ap '67.

ION EXCHANGE—CONGRESSES

Decision of the First All-Union Symposium of the
Thermodynamics of Ion Exchange. Zhur. fiz. khim. 41
no 4 912-914 Ap '67.

ION EXCHANGE RESINS

Anion-exchange resins based on styrene and divinylben-
zene copolymers. B. N. Laskorin and others. Zhur. prikl.
khim. 34 no 4 881-888 Ap '61.

Influence of certain factors on the adsorption of uranium
by ion exchangers from natural waters and carbonate
solutions. V. S. Dement'ev. Izv. AN Kazakh. SSR. Ser.
khim. 17 no 2 12-18 M 'Ap '67.

ION EXCHANGERS

Absorption of uranium (VI) by cation exchangers from
natural waters and carbonate-containing solutions.
V. S. Dement'ev. Radiokhimiya 9 no 2 156-161 '67.

Dielectric polarization in the system humidified cation
exchanger - liquid carbon medium. O. D. Kurylenko,
A. I. Deryabin, N. I. A. Kovchanch. Dop. AN URSR
no 10 1340-1342 '65.

Kinetics of ion exchange of large organic ions on carboxyl
cation exchangers. E. S. Vlasov, L. F. Khontova,
B. P. Bruns. Zhur. fiz. khim. 42 no 4 802-805 Ap '67.

Polarization on a rotating ion-exchanging membrane.
N. I. Isakov, R. I. Zolotareva, E. M. Ivanov. Zhur. fiz.
khim. 41 no 1 849-852 Ap '67.

Study of the EMF of galvanic cells including bulk and
heterogeneous sulfonated cation-exchanging membranes
and solutions of calcium and magnesium chlorides. Z. S.
Alagova, E. A. Matrova, N. N. Nemtsova. Elektrikhiya
3 no 1 146-150 Ap '67.

IONIC SOLUTIONS

Effect of temperature and ionic strength on the thermal
effect of formation of monohalide complexes of bismuth
in aqueous solution. V. P. Vasil'ev, G. A. Lubanov,
Zhur. neorg. khim. 12 no 1 875-883 Ap '67

Exhalation of iodine ion formation in aqueous solution.
A. F. Vorob'ev, A. F. Bolev, S. M. Skuratov. Dokl. AN
SSSR 173 no 2 385-387 M '67.

IONIZATION

Amplitude of pulses in homogeneous crystal counters
(Method for determining the free path of charged parti-
cles). N. A. Vitovskii, S. M. Ryshin. Fiz. i tekhn. poluprov.
1 no 1 10-12 Ja '67

Analogue multiplication and ionization coefficient in
p-n junctions of InAs. M. P. Mikhailova, D. N. Nasedov,
S. V. Slabodchikov. Fiz. i tekhn. poluprov. 1 no 1 123-127
Ja '67.

Derivatives of 7-azabenzole. Part 25. Using correlation
equations for the study of ionization constants of
derivatives of 7-azabenzole and 7-azabenzole. L. N.
Ishchenko and others. Zhur. org. khim. 3 no 4 580-
581 M '67.

Determination of ionization constants of some trimethyl-
acyloxyethanes in methyl alcohol medium by means of
potentiometric titration. A. P. Kreshkov, V. A. Drozdov,
V. N. Kulezov. Zhur. fiz. khim. 41 no 4 790-792
Ap '67.

Determining the ionization constants of functional groups
of active polysaccharides. N. G. Lulaisko, L. M. Gindman,
V. N. Oskovich. Biokhimiya 32 no 2 223-227 M 'Ap '67.

Distribution of intensities in the rotational and vibrational
structures of the first negative system of N_2^+ bands
originating in the dissociation of N_2O by ion impact.
G. N. Polakova, I. A. M. Fogel'. Khim. vsy. energ. 1
no 2 1103-1106 M 'Ap '67.

The effect of self-ionization with disturbance of inter-
combination for forbiddenness in a plasma. L. I. Grech-
khin. Dokl. AN SSSR 11 no 3 214-216 M '67.

Electric properties of n-InP at low temperatures. G. G.
Kovalenskaya, I. U. G. Popov, N. V. Stukach. Fiz. i tekhn.
poluprov. 1 no 2 225-229 F '67.

Energy of the ionization threshold of electrons and holes
in silicon. T. Purtilis. Fiz. i tekhn. poluprov. 1 no 4:
509-509 Ap '67.

Ionization constants of polynitroalkanes in ethyl and
methyl alcohols. A. I. Ivanov and others. Zhur. fiz.
khim. 41 no 4 830-833 Ap '67.

Ionization constants of polynitroalkanes in some aprotic
dipolar solvents. V. I. Slivetskii and others. Zhur. fiz.
khim. 41 no 4 834-837 Ap '67

Ionization constants of the series of aromatic amines.
E. V. Titov and others. Ukr. khim. zhur. 33 no 3 287-
290 '67.

Mass spectrometric study of the photoionization of free
 α -amino acids. M. E. Akopian, I. U. V. Loginov. Khim.
vsy. energ. 1 no 2 37-102 M 'Ap '67.

Processes of capture, ionization, and capture with ion-
ization in collision between protons and argon atoms.
V. V. Afonimov and others. Zhur. tekhn. fiz. 37 no 4:
717-725 Ap '67.

Study of the method of self-consistent field in semilem-
pical approximation of states with open shells of
nucleic acid bases. V. A. Kuprievich. Teoret. i eksper.
fiz. 3 no 1 55-75 Ja-F '67.

Study of the stability of silver complex compounds with
some amino acids and determination of ionization con-
stants of acids. I. U. M. Azlov, A. Kh. Mitakova, V. F.
Toropova. Zhur. neorg. khim. 12 no 3 661-665 M '67.

Using the coincidence method in direct determination of
the cross sections of elementary processes in the varia-
tion of charge states during atomic collisions. V. V.
Afonimov and others. Zhur. tekhn. fiz. 37 no 3 550-561
M '67

IONIZATION CHAMBERS

Nonburned-up emitter for fission chambers. A. B.
Dmitriyev, A. S. Guckov, I. K. Malyshev. Atom. energ.
22 no 4 314-315 Ap '67.

IONIZATION OF GASES

Absorption and ionization of oxygen on nickel in alkali.
Gu Lin-in [Gu Ling-ying], N. A. Shumilova, V. S.
Bagatskii. Elektrikhiya 3 no 1 460-166 Ap '67.

Ionization and dissociation of excited molecules. M. V.
Gur'ev, S. E. Kuprianov. Khim. vsy. energ. 1 no 2:
81-86 M 'Ap '67.

Ionization of hydrogen on platinum electrodes. I. U. M.
Povarov, P. D. Lukovtsev. Elektrikhiya 3 no 2 220-
225 '67.

Oxygen ionization in a mixture with CO_2 on a partially
immersed silver electrode in fused alkali metal car-
bonates. I. U. M. Pavlov, G. S. Tsvetkov. Elektrikhiya
3 no 4 441-115 Ap '67.

Problem of photoionization of cometary atmospheres.
O. V. Dobrovolskii. Biol. Inst. astrofiz. AN Tadzh. SSR
no 4 12 3-12 '66.

Production and practical use of gas ionization counters.
G. I. Kashtova. Uch. zap. Kazh.-Balk. gos. un. no 13 165-
171 '61

IONOSPHERE

Measuring the full number of electrons in the ionosphere
and its gradient by means of signal recordings from
"radioion" satellites. V. A. Kishin, G. K. Solodovnikov,
V. M. Klyamov. Geomag. i aer. 7 no 2 284-290
M 'Ap '67

Method for determining the ion temperature by the changes
of the current of an ion trap caused by the spin of a
satellite, and evaluation of the upper boundary of ion
temperature at altitudes $\leq 10,000$ km from the data
aboard "Elektron-2". K. I. Ginzburg, V. V. Beryakikh,
I. K. Bress. Kosm. issl. 5 no 2 215-250 M 'Ap '67.

Role of corpuscular radiation in formation of the lower
ionosphere. V. F. Tulinov. Kosm. issl. 5 no 2 230-231
M 'Ap '67

IONOSPHERIC RADIO WAVE PROPAGATION

Effect of ions on the propagation of electromagnetic waves
with superlow frequency in the ionosphere. V. I. Akse-
nov, I. V. Lelchik. Radiotekhn. i elektron. 12 no 1 703-
705 Ap '67.

Effect of radio waves on the ionosphere in the region of
the F-layer. A. V. Gurevich. Geomag. i aer. 7 no 2:
291-299 M 'Ap '67.

Ionospheric scatter lines with small carrying capacity.
L. M. Maslennik. Elektrikhiya 21 no 3 26-32 M '67.

Ionospheric waveguide channels for long distance radio
communication below the maximum of the F2 layer. V. A.
Danilin. Kosm. issl. 5 no 2 231-239 M 'Ap '67

IONOSPHERIC RESEARCH

(see also subdivision under Alaska)

Studying the equatorial anomaly of the ionosphere in the
east Asiatic zone of the Pacific Ocean. G. M. Arut'eva,
I. U. S. Korshkov, V. V. Trisereva. Geomag. i aer.
no 2 151-157 M 'Ap '67.

Variations of the N(h) parameter
1YQS. N. I. Potapov
7 no 2 315-348 M '67

IRRIGATION

(see also subdivision under Kazakhstan; Tajikistan; Turkmenistan)

Subirrigation. V.N. Ustinov. Trakt i sel'khoz mash. no. 4 30-31 Ap '67.

IRRIGATION CANALS AND FLUMES—DESIGN AND CONSTRUCTION

see subdivision under Astrakhan Province, Uzbekistan

IRRIGATION FARMING

see subdivision under Caucasus, Northern, Golodnaya Steppe

KHUM VALLEY—SPRUCE

European spruce outside of its habitat. K.G. Malutin, I. F. Malutina. Uch zap. GOPI no. 57 83-88 '66.

ISOBARS, NUCLEAR—DECAY

Search and study of three-particle resonances in π^+p -interactions at a momentum of 1.7 GeV/c. L.A. Veltitski and others. Izd. fiz. 5 no. 3 603-611 M '67.

ISOCRATES

Orations of Isocrates (continuation). Translated from the Greek. Vest. chiv. ist. no. 1 215-234 Ja-M '67.

ISOMERISM

Isomerization of phenoxymethyl penicillin into phenoxymethylpenicillic acid. I.N. Blinova, A.S. Khokhlov. Antibiotiki 12 no. 4: 275-270 Ap '67.

ISOMERIZATION

Isomerization of 2,6-cyclohexyl H₂-cation in a deamination reaction. I.U.G. Bunde' and others. Dokl. AN SSSR 165 no. 6 1303-1304 D '65.

Oxidation of chloroethylenes. Part 1: Regularities in the formation and isomerization of tetrachloroethylene oxide in the process of tetrachloroethylene oxidation. B.G. Tsanitski, G.L. Kovalenko, I.B. Dolberg, Zhur. org. khim. 3 no. 3 470-476 M '67.

Possibility of electron transitions in excited molecules of benzene and its derivatives. V.M. Beneteld, V.A. Krongauz. Teoret. i eksper. khim. 3 no. 1, 117-118 Ja-F '67.

Study of chemical constituents of essential oils. Report No. 22. Catalytic isomerization of α -pinene in the presence of an alkali. K.F. 3. L.P. Fedelina, M.I. Gornov, K.D. Dzhanosova. Izv. AN Kazakh SSR Ser. khim. 17 no. 2 83-88 Mr-Ap '67.

Unsaturated amines. Report No. 1: Isomerization of aliphatic Schiff compounds. G.I.A. Kondratova, I.U.S. Dolzhikova. Izv. AN SSSR Ser. khim. no. 3 654-658 Mr '67.

ISOMERS

Calculation of energy differences of rotational isomers of substituted ethane with allowance for differences between azimuthal angles of internal rotation. I.U.G. Papinov. Teor. i eksper. khim. 3 no. 2 273-278 Mr-Ap '67.

Ratio of isomers in the cyanidation of methyl-, ethyl-, and phenylacetylene. A.N. Nersisyanov, L.P. Fedelina, I.G. Fedotova. Izv. AN SSSR Ser. khim. no. 3 578-582 M '67.

ISOMORPHISM (CRYSTALLOGRAPHY)

Contribution to the theory of the isomorphic phase transition and critical transition of calcium. I.L. Aptekar', E.G. Ponomarevskii. Dokl. AN SSSR 173 no. 4: 851-854 Ap '67.

Isomorphism in axinite group. D.D. Kurshakova. Geol. i geofiz. no. 1: 118-123 Ja '67.

ISOPENTYL ALCOHOL

Extraction of alkali metal halides by isopentyl alcohol. A.M. Rozen, A.I. Mikhailichenko. Zhur. neorg. khim. 12 no. 3: 729-740 Mr '67.

ISOPERIMETRICAL PROBLEMS

see Calculus of variations

ISOPHTHALIC ACID

Mixed polyesters of carbonic and isophthalic acids. G.S. Kolesnikov, O.V. Smirnova, Sh.A. Samsonia. Vysokom kolec. Ser. B 9 no. 1: 40-53 Ja '67.

ISOPODA

see subdivision under Antarctic regions

ISOPRENE

Kinetics of dimerization of cyclopentadiene and liquid-vapor equilibrium in the system isoprene-cyclopentadiene. T.M. Lesteva, S.K. Ogorodnikov, A.I. Morozova. Zhur. prikl. khim. 40 no. 4: 891-894 Ap '67.

ISOPROPYL ALCOHOL

Acid catalysis of the chain reaction of oxidation of isopropyl alcohol. V.M. Solov'nikov, L.T. Denisov. Dokl. AN SSSR 173 no. 5: 1108-1109 Ap '67.

Radiation effect on the selectivity of yttrium oxide in the decomposition of isopropyl alcohol. Vkt. I. Spitsyn and others. Dokl. AN SSSR 173 no. 2 388-391 Mr '67.

ISOPROPYL ETHER

Chemical action of hot hydrogen atoms on isopropyl ether. E.S. Filatov, L. Koltai, A.N. Nersisyanov. Khim. vz. energ. 1 no. 1: 10-13 Ja-F '67.

ISOTHERMIC CURVES

see Curves, Isothermic

ISOTOPE EXCHANGE

Nitrite ion exchange in sodium hexanitrocobaltate. I.V. Matsko, I.U.C. Selaninov, G.A. Shagisullanova, Zhur. neorg. khim. 12 no. 3 672-676 M '67.

ISOTOPE SEPARATION

Continuous rapid separation of group III and IV transition elements using chlorides. I. Zvara and others. Radio-khimiya 9 no. 2: 231-239 '67.

ISOTOPES—DECAY

Resonance scattering of γ -quanta on Si²⁸, Ni⁶⁰, and Zn⁶⁶ nuclei. R.B. Bogdanov, A.A. Islamov. Izd. fiz. 5 no. 3: 183-489 Mr '67.

ISOXAZOLINE

Isoxazolizidines. Part 4: Synthesis of 8-mitroisoxazolizidines. V.A. Tartakovskii, A.A. Onishchenko, S.S. Novikov. Zhur. org. khim. 3 no. 3 580-591 M '67.

ISRAEL—FOREIGN RELATIONS—ARAB COUNTRIES

The Middle East situation. Nov. vsem. 25 no. 2: 1-4 Je '67.

ISSYKUL' LAKE REGION—METEOROLOGY

Astronomical expedition in the region of the Issykul', high-mountain lake. G.A. Pliginskii, V.N. Frolov. Izv. GAO 21 no. 4: 147-153 '66.

ITALY—FOREIGN RELATIONS

New tendencies in the Italian foreign policy. V. Kravitsov. Mezhdunar. zbtzn' 14 no. 5 20-27 '67.

ITALY—TELEVISION BROADCASTING

Censorship in television. I. I. Ebedeva. Peatr 28 no. 3: 117-118 Mr '67.

IUR'EV, VLADIMIR IVANOVICH, 1907?-

Anniversaries of our scientists. Bum. prom. no. 2: 27 F '67.

IVANO-FRANKOVSK PROVINCE—EXCAVATIONS (ARCHAEOLOGY)

Excavation of an ancient settlement of the Lipitsa culture type near the village of Verkhnyaya Lipitsa in Ivano-Frankovsk Province, 1962. V.M. Tsyhlyuk. Arkheologiya 18 180-184 '65.

IVANO-FRANKOVSK PROVINCE—POLITICS AND GOVERNMENT

Rural committees make decisions on the problems of great importance. D. Polukhanov. Rad. pravo. no. 4: 31-32 Ap '67.

IVANOVO—LOOMS—TESTING

Testing the AT-160-5 loom. B.D. Mozov, M.M. Repina. Tekst. prom. 27 no. 2: 32-34 F '67.

IVANOVO—SEWING SCHOOLS

Sewing in school. G.I. Ushko. Shkola i prof. 11 no. 3: 42-44 M '67.

IVANOVO—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Technological progress at the enterprises of the city of Ivanovo. L.P. Razzhivin. Tekst. prom. 27 no. 2: 17-18 F '67.

IVANOVO PROVINCE—RADIO IN AGRICULTURE

The rural radio journal. A. Erolov. Sov. radio i tel. 9 no. 3: 10 '60.

IVANOVO PROVINCE—SPORTS

In the heat of football passion. V. Kiranov. Sov. profsoyuz 23 no. 5: 32-33 M '67.

IVANOVO PROVINCE—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Modernization and mechanization. A.A. Kuznetsov, Z.A. Kononova. Tekst. prom. 27 no. 2: 34-35 F '67.

IVANOVO PROVINCE—TEXTILE WORKERS

In the heat of football passion. V. Kiranov. Sov. profsoyuz 23 no. 5: 32-33 Mr '67.

IZHEVSK—RAILROADS—FREIGHT

On the stage: a feuilleton. R. Modzelevskii. Sov. radio i tel. 9 no. 6: 20 '60.

IZHEVSK—TELEVISION—PRODUCTION AND DIRECTION

"Manager" of a studio. V. Tretyakova. Sov. radio i tel. 9 no. 4: 34 '60.

IZHEVSK—TELEVISION BROADCASTING

Scripts on workers of the seven-year plan. A. Izvergina, A. Sergeev. Sov. radio i tel. 9 no. 2: 28-27 '60.

IZHEVSK—TELEVISION PROGRAMS

On the stage: a feuilleton. R. Modzelevskii. Sov. radio i tel. 9 no. 6: 20 '60.

IZHORA (LENINGRAD PROVINCE)—FACTORY MANAGEMENT

At the plant the psychologist's opinion is taken into consideration. M. Ponomarev. Sots. trud 12 no. 5: 70-72 M '67.

JAMĪ, 1414-1492

Khashim, Rakhim. [A great monument of poetry. Vell-kh pamiatnik poezi, Dusharbe, Irton] 1964. 80 p. [550 let so dnya rozhdeniya Abdurrahmana Dzhami] [In Tajik] (MH)

JAPAN—ARMY

Hoshino, Yasuaburo, and Shigeo Iiyashi. [The true face of the Japanese Army. Translated from the Japanese] Istinnoe litso Iaponskoi armii. Moskva, Voenizdat, 1965. 182 p. (CaOTU)

JAPAN—DESCRIPTION AND TRAVEL

On the Japanese islands. E. Fadeichev. Nov. vrem. 25 no. 22 28-30 My '67.

JAPAN—ECONOMIC CONDITIONS—PERIODICALS

Economics and statistical publications in Japan: a survey. A. Sharikov. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 1: 104-109 '67.

JAPAN—EXISTENTIALISM

Existentialism and the problem of alienation in Japan's present-day bourgeois philosophy. B.V. Pospelov. Nauch. dokl. vys. shkoly, filos. nauki 10 no. 2 88-97 '67.

JAPAN—FOREIGN ECONOMIC RELATIONS—ASIA, SOUTHEASTERN

In Japan: Escalation in Asia. I.U. Kuznetsov. Az. i Afr. seg. 10 no. 5: 20-22 My '67.

JAPAN—GENETIC RESEARCH

National Institute of Genetics in Japan. B.P. Tokin. Genetika no. 3: 103-105 Mr '67.

JAPAN—INDUSTRIES

"Rationalization" of production. V. Klyunov. Az. i Afr. seg. 10 no. 5: 14-15 My '67.

JAPAN—MAGNETIC RECORDERS AND RECORDING

Japanese portable magnetic tape recorders. V. Nozhenov. Radio no. 4: 57-60 Ap '67.

JAPAN—STATISTICS—PERIODICALS

Economics and statistical publications in Japan: a survey. A. Sharikov. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 4: 104-109 '67.

JAPAN—TELEVISION

Television in Japan. N. Sakonnikov. Sov. radio i tel. 9 no. 4: 37-38 '60.

JAPANESE PAGODA TREE

see subdivision under Leninabad

JAROSTE

see subdivision under Crimean Mountains

JAUNDICE

Blood serum protein fractions, haptoglobin types and hemoglobin fractions in various forms of children's jaundice. T.S. I. Kuznetsov. Soob. AN Gruz SSR 43 no. 2: 407-414 F '67.

JET APPARATUS

Evaluating economic efficiency of gas-jet devices. A.V. Zhdobich. Sbor. nauch. iab. Belorus. tekhn. inst. Ser. obshchestkhi. no. 3 22-29 '60.

JET BORING

Influence of fracturing in quartzites on the efficiency of thermal piercing. B.I. Suvorov, V.A. Kurovkin, V.N. Bogorzhin. Izv. vys. ucheb. zav., gor. zhur. 10 no. 2: 72-76 '67.

Jet piercing. G.P. Cherepanov. PMTF no. 6: 114-118 N-D '65.

JET BORING—COSTS

Cost of heat in thermal breaking of rocks. I.U. IA, Kiselev. Gor. zhur. 112 no. 3: 11-12 Mr '67.

JET PLANES—FUEL

(see also subdivision under Great Britain; United States)

Basis for the use of motor, jet and rocket fuels. A.I. Stekhun. Khim. i tekhn. topl. i masel 12 no. 4: 64-3 of cover Ap '67.

Effect of the fractional composition and residual quantity of aromatic hydrocarbons on the stability of fuels. I.A. R. Katsobashvili, S.A. Golosov, I.U. L. Shostakovich. Khim. i tekhn. topl. i masel 12 no. 4: 11-13 Ap '67.

JET STREAM

(see also subdivision under Soviet Central Asia; Soviet Far East)

Some cases of extremely strong winds in jet streams over southern part of U.S.S.R. M.V. Burkova. Nauch. trudy TashGU no. 270: 17-27 '66.

Statistical characterization of jet streams over southern part of U.S.S.R. related to trough situations in winter period. M. M. Udasheva. Nauch. trudy TashGU no. 270 135-143 '67.

Statistics of complex of jet streams over southern part of U.S.S.R. K. Saidnazarova. Nauch. trudy TashGU no. 270 67-71 '66.

- JETS—FLUID DYNAMICS**
Propagation of a twisted liquid jet in an infinite area
Book 1 b, the same liquid. S. V. Gal'kevich. Izv. Akad. Nauk SSSR, Ser. Mekh., 1967, no. 2, 282-288. Mr. 1p. '67.
- JEWS** see subdivision under Ukraine
- JOINTS (ENGINEERING)**
Experimental determination of the dynamic parameters of rubber-metallic block joints. V. N. Poturayev, V. I. Dyrdya. Kauch. i rez. 26 no. 4, 36-39. '67.
Screw locking of joints. S. I. Ivlev. Tekh. i voozruch. 25 no. 4, 42-43. Ap. '67.
Selecting basic parameters of strained joints in heated assembly of parts. G. I. A. Indreev, N. M. Lukin. Izv. vuzov, ucheb. zav., mashinost. no. 2, 120-130. '67.
- JOINTS (GEOLOGY)**
(see also subdivision under Ural Mountain region)
Quantitative study of jointing using method of engineering seismic prospecting. O. K. Voronkov. Geol. i geofiz. no. 1, 83-91. Ja. '67.
- JOURNALISM**
The accuracy of information, a letter to the editor. Agitator 35 no. 9, 10. Mr. '67.
Maksimov, A. A. [At the sources of Soviet Journalism] Ucheb. i spets. zhurnal. [Leningrad] Leningrad, 1967. 110 p.
Mass communication. B. P. Pirogov. Zhurnal. no. 2, 50-52. F. '67.
The old mole slugs well. P. Bogat. Zhurnal. no. 3, 2-12. Mr. '67.
Responsibility of journalists. V. Vlasov. Zhurnal. no. 2, 2-4. F. '67.
What is the secretariat needed for? S. I. Sukasov. Zhurnal. no. 2, 32-35. F. '67.
- JOURNALISM—LANGUAGE**
Our daily language. Zhurnal. no. 3, 60-61. Mr. '67.
- JOURNALISM—POLITICAL ASPECTS**
From black to pink. I. Dement'eva. Zhurnal. no. 2, 22-25. F. '67.
Groping on the tracks. V. Pomenko. Zhurnal. no. 2, 20-21. F. '67.
- JOURNALISM—STUDY AND TEACHING**
Time doesn't wait. I. Kletskov, I. Polatnik. Zhurnal. no. 3, 28-29. Mr. '67.
- JOURNALISM, AGRICULTURAL**
Milk or rope. G. Lisnitskii, I. U. Chernichenko. Zhurnal. no. 3, 48-51. Mr. '67.
- JOURNALISM, COMMERCIAL**
For the reform and against it. A. Bumen. Zhurnal. no. 3, 38-42. Mr. '67.
- JOURNALISM, MILITARY**
How to prepare a wall newspaper. P. Krutichkov. Komm. voozruch. 48 no. 8, 85-88. Ap. '67.
- JOURNALISM, TECHNICAL**
The power of reform and the power of prejudice. O. Lacia. Zhurnal. no. 2, 20-27. F. '67.
- JOURNALISM AS A PROFESSION**
"The trade of angels." Genevieve Tahouia. Zhurnal. no. 3, 20. Mr. '67.
- JOURNALISTIC ETHICS**
Third party in the argument. I. U. Koleschuk. Zhurnal. no. 3, 21-23. Mr. '67.
- JOURNALISTS**
The dialogue of old friends. B. Egorov. Zhurnal. no. 2, 70. F. '67.
The road of a documentalist. A. Bék. Zhurnal. no. 2, 12-15. F. '67.
- JOURNALISTS—CORRESPONDENCE, REMINISCENCES, ETC.**
An interview with an interviewer. Zhurnal. no. 1, 32-33. Mr. '67.
Portraits in bronze and plaster. L. Likhodoev. Zhurnal. no. 2, 58-62. F. '67.
- JOYCE, JAMES, 1882-1941**
Zhanlieva, D. G. [James Joyce] Dzhelmsa Dzhols, Mo-skva, Vysshaya shkola, 1967. 94 p. (Sovremennaya zarubezhnaya literatura)
- JUDGES**
(see also subdivision under Uzbekistan)
The activity and objectivity of judges. G. Anashkin. Sov. iust. 31 no. 7, 3-4. Ap. '67.
"Noble stubbornness." P. Komorokhov. Sots. zakon. no. 3, 52-53. Mr. '67.
- JUDICIAL REVIEW OF ADMINISTRATIVE ACTS** see subdivision under Tajik A.S.S.R.
- JUNCTION TRANSISTORS**
Avalanche multiplication and ionization coefficient in p-n-junctions of InAs. M. P. Mikhailova, D. N. Nasledov, S. V. Slobodchikov. Fiz. i tekhn. poluprov. 1 no. 1, 123-127. Ja. '67.
Calculation of extremely asymmetric p-n-p-n-structure steady state allowing for the resistance of the spreading of bases. A. L. Gubanov, N. A. Gushchina. Fiz. i tekhn. poluprov. 1 no. 4, 547-555. Ap. '67.
Electric and photoelectric properties of p-n-junctions with zinc sulfide as a support. A. N. Georobiani, V. I. Steblin. Fiz. i tekhn. poluprov. 1 no. 3, 324-332. Mr. '67.
Possibility to produce a rectifier on the super high current density on the base of p-n-p-n-structure with heterojunctions. Zh. I. Aferov. Fiz. i tekhn. poluprov. 1 no. 3, 136-138. Mr. '67.
Recombination radiation of fused GaP p-n-junctions. R. F. Mamedova, D. N. Nasledov, S. V. Slobodchikov. Fiz. i tekhn. poluprov. 1 no. 4, 509-513. Ap. '67.
Studying p-n-junctions produced on the base of beryllium-doped silicon carbide. A. A. Katin and others. Fiz. i tekhn. poluprov. 1 no. 4, 484-486. Ap. '67.
Theory of the process of connection of p-n-p-n-structure. A. A. I. Ebedev, A. I. Uvarov. Fiz. i tekhn. poluprov. 1 no. 2, 211-216. F. '67.
- JUNCTION TRANSISTORS—ELECTRIC PROPERTIES**
Electric properties of germanium-gallium arsenide heterojunctions. I. A. Fedotov, E. A. Matson, K. V. Cherkas. Fiz. i tekhn. poluprov. 1 no. 1, 136-138. Ja. '67.
- JUSTICE, ADMINISTRATION OF**
(see also subdivision under India; Ukraine; Vladimir Province)
Along V. I. Lenin's road. Sov. iust. 31 no. 8, 1-2. Ap. '67.
Decision No. 1 of the plenary session of the Supreme Court of the U.S.S.R. Sov. iust. 31 no. 8, 27-29. Ap. '67.
Experience in the direction of general supervisory work. A. P. Onin. Sots. zakon. no. 3, 54-55. Mr. '67.
How to prepare a conclusive lecture on the theme "Public prosecutors and courts in the struggle for a strict observance of laws." Sots. zakon. no. 3, 25-26. Mr. '67.
Socialist law and order and their ill-starred "critics." O. Ivanenko. Sov. iust. 31 no. 8, 2-4. Ap. '67.
V. I. Lenin's principles of administration of justice. Sots. zakon. no. 4, 3-11. Ap. '67.
- JUVENILE DELINQUENCY**
(see also subdivision under Kabardino-Balkar A.S.S.R.; Kharkov; United States)
Bourgeois criminology discusses the effect of economic progress on juvenile delinquency. E. B. Melnikova. Sov. gos. i pravo no. 5, 142-145. My. '67.
Rogov, A. I. [Difficult age; notes of a lawyer] Trudnyi vozrast; zapiski iurista. [Krasnolarsk] Krasnolarskoe knizhnoe izd-vo, 1966. 57 p. (CSI-H)
- KABARDINO-BALKAR A.S.S.R.—CRIMINAL INVESTIGATORS**
A skillful criminal investigator. A. Markov. Sots. zakon. no. 3, 63-64. Mr. '67.
- KABARDINO-BALKAR A.S.S.R.—JUVENILE DELINQUENCY**
Our interviews. Sots. zakon. no. 3, 66-67. Mr. '67.
- KABARDINO-BALKAR A.S.S.R.—LAW—STUDY AND TEACHING**
An important means of ensuring a strict observance of laws and protection of public order. M. Anokov. Sots. zakon. no. 3, 62-63. Mr. '67.
- KABARDINO-BALKAR A.S.S.R.—WOMEN AS JUDGES**
High position. N. Eremkin. Sots. zakon. no. 3, 64-66. Mr. '67.
- KADIYEVKA (LUGANSK PROVINCE)—HISTORY**
Kommunisticheskii gornometallurgicheskii institut. Kadlevskii filial. [Abstracts of papers delivered at the Theoretical Conference Devoted to the 150th Anniversary of the City of Kadiyevka, March 1955] Tezisy dokladov nauchno-teoreticheskoi konferentsii, posviashchennoi 150-letiiu g. Kadlevki, mart 1955 g. Kadlevka, 1955. 94 p. (CSI-H)
- KAGAN (UZBEKISTAN)—RAILROADS—FREIGHT**
Valuable experience of Kagan railroad workers. V. Mel'nikov. Nauch. i zhizn. 3 no. 1, 67-68. Ja. '61.
- KAKHETIA—VITICULTURE**
Some results of initial testing of new grape stock on Khiraski State Farm. A. G. Gavaketskhvili. Sov. AN Gruz. SSR 45 no. 2, 483-490. F. '67.
- KALININ, MIKHAIL IVANOVICH, 1875-1946**
M. I. Kalinin in Volokolamsk. I. I. Saininov. Ist. SSSR no. 2, 207-208. Mr. Ap. '67.
- KALININ—COTTON COMBING**
Comber with a pair of combing rollers. V. L. Zhul'kov. Tekst. prom. 27 no. 2, 28-29. F. '67.
- KALININ—LABOR AND LABORING CLASSES—DWELLINGS**
In two workers' dormitories. Sov. profsoyuzy 23 no. 4, 36-38. F. '67.
- KALININ PROVINCE—SOCIAL GROUP WORK**
The ideas of the party to the masses. S. S. Osk. Izv. i to. no. 1, 30-32. Ja. '62.
- KALININ PROVINCE—WORLD WAR, 1939-1945**
Follow the example set by heroes. V. Chernyshev. V. I. komm. no. 2, 32-39. '67.
- KALNINGRAD—TELEVISION IN PROPAGANDA**
Party resolutions must be put into practice. V. Mel'nikov. Sov. radio i tel. 9 no. 5-7. '60.
- KALLIKREIN**
Discovery of kallikrein in γ -globulin fraction of Mouse serum proteins in rabbits. V. P. Zykova, T. S. Paskhina. Dokl. AN SSSR 165 no. 6, 1138-1412. D. '65.
- KALMYK A.S.S.R.—GAS, NATURAL—GEOLOGY**
Prospecting for oil and gas in Kalmyk A.S.S.R. and Astrakhan Province, its results and future trends. O. I. Serbriakov, I. U. Igoshin. Neftgaz. geol. i geofiz. no. 3, 25-30. '67.
- KALMYK A.S.S.R.—PETROLEUM GEOLOGY**
Prospecting for oil and gas in Kalmyk A.S.S.R. and Astrakhan Province, its results and future trends. O. I. Serbriakov, I. U. Igoshin. Neftgaz. geol. i geofiz. no. 3, 25-30. '67.
- KALUGA—THEATER**
Classics in Kaluga. I. Vasilina. Teatr 28 no. 3, 18-23. Mr. '67.
- KAMA RESERVOIR—FISHERIES**
Utilization of Kama Reservoir for fisheries. I. U. A. Koz'min. Trudy Ural. otd. GosNIORKH 6:201-206. '64.
- KAMA VALLEY—FORESTS AND FORESTRY**
Characteristics of forest resources in Kama River basin. G. G. Kamenskii. Zap. Sverd. otd. VBO no. 3, 170-180. '66.
- KAMA VALLEY—GEOLOGICAL TIME**
Age of ore formation of Vytka-Kama Depression. S. G. Dubelkovskii. Dokl. AN SSSR 172 no. 6, 1304-1306. F. '67.
- KAMA VALLEY—OSTRACODA, FOSSIL**
Present state of studies and complexes of Ostracoda fauna from Devonian sediments in central part of Volga-Kama region. V. I. Avel'yanov, S. I. Shevtsov. Uch. zap. Kaz. un. 121 no. 10, 72-83. '65.
- KAMA VALLEY—WATER VOLES**
Breeding of water voles (Arvicola terrestris L.) in Volga-Kama region. M. V. Tikhvinskii. Uch. zap. Kaz. un. 121 no. 10, 152-168. '65.
- KAMCHATKA—CRABS**
Fertilization in Kamchatka crabs. N. N. Smirnov. Zhur. 46 no. 2, 286-289. F. '67.
- KAMCHATKA—GEOLOGY, STRUCTURAL**
Characteristics of the subsurface structure of the Kurile-Kamchatka zone. P. S. Veitsman. Izv. AN SSSR. Fiz. zem. no. 8, 13-30. '65.
- KAMCHATKA—RADIOBROADCASTING**
Revealed shortcomings. Sov. radio i tel. 9 no. 1, 17. '60.
- KAMCHATKA—VOLCANOES**
Spectral study of volcanic phenomena in Kamchatka. N. A. Kozyrev. Izv. GAO 24 no. 4, 76-82. '66.
- KAMENETS-PODOL'SKIY—COMRADES COURTS**
Comrades court of an industrial plant. L. M. Minberg. Rad. pravo no. 4, 73. Ap. '67.
- KAMENKOV, GEORGI V. VLADIMIROVICH, 1908-1956**
Georgi Vladimirovich Kamenkov; obituary. Izv. vyz. ucheb. zav.; av. tekhn. 10 no. 1, 143-144. '67.
- KAMNER, LIUDMILA NIKOLAEVNA, 1905-1966**
In memory of Liudmila Nikolaevna Kamner. Arkh. pit. 29 no. 3, 85. '67.
- KANAMYCIN**
Changes in the binding of kanamycin by the cells of Staphylococcus aureus following a transitory presence in the focus of suppurative inflammation. V. N. Sotolov. I. U. G. L. L. L. N. V. Chumachenko. Antibiotiki 12 no. 4, 298-300. Ap. '67.
- KANDALAKSHA BAY—TURBELLARIA**
Observations on Turbellaria in Kandalaksha Bay of White Sea. S. I. Bogomolov. Uch. zap. Kaz. un. 124 no. 10, 208-224. '65.
- KAOLIN**
(see also subdivision under Angren Basin)
Studying sintering of refractory clays and kaolins with semicrystalline clays of Chasov Yar. A. F. Komar, F. K. Klepko, M. F. Kozyn'skiy. Dop. AN URSR no. 10, 1356-1358. '65.

KALLENITE

(see also subdivision under Kerch Peninsula)
Dehydration of kaolinite and hydration of metakaolin under pressure. V. I. Ibedev, N. V. Kotov, Izv. AN SSSR Ser. geol. no. 4 73-86 Ap '67.

KAPUTIKIAN, SIL'VA BARUNAKOVNA

Civic motifs in S. Kaputikian's works, 1955-1965. A. V. Ais-takesian. Vest. obshchestv. nauk AN Arm. SSR no. 10 30-41 O '66.

KARA-KALPAK A.S.S.R.—ATHEISM

From eye to eye. E. Mokrushin. A. stat. 35 no. 4 47 My '67.

KARA-KALPAK A.S.S.R.—BRONZE AGE

The place of Taza-Bag-yab culture among the Bronze Age cultures of steppe region. M. A. Iltina. Sov. etn. no. 2 62-79 Mi-Apr '67.

KARA-KALPAK A.S.S.R.—CORN (MAIZE)

Corn growing in the Kara-Kalpak A.S.S.R. Kh. Muminnov. Trudy UZNIIZH no. 1 133-135 '69.

KARA-KALPAK A.S.S.R.—REGIONAL PLANNING

Important criterion of regional planning. M. Shleingart, D. Fakhitayev, G. Monlakmudov. Nar. khoz. Uzb. 3 no. 1 48-52 Ja '61.

KARA-KALPAK A.S.S.R.—RICE

The "pearl" of the Aral Sea region is early. A. Saurov. Ekonom. zhizn' 9 no. 3 79-81 Mi '67.

KARA SEA—METEOROLOGY, MARITIME

Effect of the Atlantic waters on the formation of the characteristics of hydrometeorological processes in winter as exemplified by the Kara and Laptev Seas. A. O. Shipnikhor. Izv. Vses. geog. obshch. no. 2 114-121 Mr-Apr '67.

KARA SEA—OCEAN TEMPERATURE

Some characteristics of accumulation and expenditure of heat in southwestern part of Kara Sea. L. V. Bulatov, V. I. Zakharov. Trudy ANU 237:119-124 '67.

KARABAKH STEPPE—TOMATOES

Studying the effect of growth promoting substances of petroleum origin on the yield and quality of tomatoes in the Karabakh lowland. I. M. Gvozdenko. Dokl. AN Azerb. SSR 22 no. 11 55-57 '68.

KARACHAY LANGUAGE—WORD FORMATION

Bozlov, A. Yu. [Derivation of nouns, adjectives and adverbs in the Karachay-Balkar language] Slovo-obrazovanie imen sushchestvytel'nykh, prilagatel'nykh i mestechnykh v karachayevsko-balkarskom yazyke. Mal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1965. 87 p. (NNC)

KARACHUKHUR OIL FIELD—PETROLEUM PRODUCTION

Some characteristics of development of Surakhany and Karachukhur oil fields in Azerbaijan. S. T. Oymatyanov, K. A. Karapetov. Ekol. no. 1 49-51 no. 3: 12-16 Mi '67.

KARADAG GAS CONDENSATE FIELD—GAS, NATURAL—ANALYSIS

Physicochemical and thermodynamic studies of gas condensate extracted from wells in Sub-Khmalak series in Karadag field. K. V. Pokrovskii and others. Azerb. neft. khoz. 16 no. 3 10-13 Mi '67.

KARAGANDA BASIN—COAL MINES AND MINING

One hundred tons of coal per month per miner. B. Semenov. Nar. khoz. Kazakh. 18 no. 12 66-69 D '60.

KARAGANDA BASIN—COAL MINES AND MINING—MANAGEMENT

A year later. M. Bulankin. Sov. shakhl. 16 no. 3 24 Mi '67.

KARAGANDA BASIN—COAL MINES AND MINING—SAFETY MEASURES

Dust control by forcing in air and water mixtures. G. I. Panov, V. V. Sustov. Ugol' Uzb. 11 no. 3 37-38 Mi '67. Method of preventing spontaneous heating of coal before the isolation of the accident area. I. S. Aitsentov, V. N. Pashut'nyi. Bezop. truda v prom. 11 no. 1 38-39 Ap '67.

KARAGANDA BASIN—COAL MINES AND MINING—SCHEDULING

Certain technical and economic calculations respecting material and technical supplies by means of network schedule graphs. S. A. Kulish, Izv. vyznach. zav., gor. zhur. 10 no. 2 27-31 '67.

KARAGANDA BASIN—COKE—STANDARDS

Influence of standardized indices showing mechanical strength of coke on the operation of blast furnaces. V. I. Khaykin, N. M. Glushchenko. Koks i khim. no. 3 21-25 '67.

KARAGANDA PROVINCE—INDUSTRIES

Why are profits reduced? A. Golovits. Nar. khoz. Kazakh. 18 no. 11 56-61 N '60.

KARAGANDA PROVINCE—WHEAT—DISEASES AND PESTS

Wheat is reinfesting. A. S. Sukhanin, E. A. Stepanov. Zashch. rast. 12 no. 4 12-13 '67.

KARAKUL' LAKE REGION—PALYNOLOGY

Spore and pollen flora from the first floodplain terraces of Lake Karakul'. M. M. Pakhomov, Izv. AN SSSR. Ser. geog. no. 2 98-100 Mr-Apr '67.

KARAKUL' SHEEP—see subdivision under Kazakhstan, Moldavia; Uzbekistan

KARAKUL' SHEEP—FEEDING AND FEEDS—see subdivision under Kazakhstan

KARAMAZAR MOUNTAINS—ORE DEPOSITS

Some characteristics of mineralogy and genesis of complex metal ores of Aityn-Topkan. M. R. Enikeev. Nauch. trudy TashGU no. 273 18-25 '66.

KARATAU—DOLOMITE

Possibility of reef origin of dolomites of phosphorite-bearing formation of Lesser Karatau. N. G. Brodskaya, V. N. Kholodov. Dokl. AN SSSR 165 no. 6 1365-1368 D '65.

KARATAU—GEOLOGY, STRUCTURAL

Tectonics of the Karatau (southern Kazakhstan). V. V. Gults'pili. Trudy Inst. geol. nauk AN Kazakh. SSR 19 3-17 '67.

KARATAU—PHOSPHORITES

Preparation of the Karatau phosphorites for electric sublimation of phosphorus. A. V. Smorodnikov, V. A. Shamardin. Khim. prom. 43 no. 4 37-41 Ap '67.

KARELIA—CERATOPOGONIDAE

Bloodsucking Heteridae (Diptera) of the White Sea coast. N. V. Rasnitsinskaya. Zool. zhur. 16 no. 2 220-231 I '67.

KARELIA—CHIRONOMIDAE

Role of light in distribution of Chironomidae larvae in lakes of Karelia. V. P. Lufeyov. Trudy Inst. biol. vuzov, no. 12 155-172 '66.

KARELIA—GEOLOGY

Latest stage in development of Ponnoscaandian, Kola Peninsula, and Karelia. N. I. Nikitov. Bul. MOIP, Otd. geol. 42 no. 1 10-68 Ja-F '67.

KARELIA—LIBRARIES, CHILDREN'S

Traveling in one's native land. M. Matveeva. Bibliotekar' 44 no. 4 22-24 Ap '67.

KARGIN, VALENTIN ALEKSEEVICH, 1907-

Valentin Alekseevich Kargin, on his 60th birthday and 45th anniversary of activity. Zhur. VKhIO 12 no. 2 218 '67.

KARMALY-GUBEYEVO (BASHKIRIA)—RURAL LIBRARIES

Reliable support. M. Azanova. Bibliotekar' 41 no. 4 20-21 Ap '67.

KARONIN, S., 1853-1902

The post-reform village in the portrayal of S. Karonin. A. P. Spasheiko. Uch. zap. MGPI 248 356-360 '66.

KAROV (KAZAKHISTAN)—STATE FAIRMS

From loss to profit. V. Mezantsev. Nar. khoz. Kazakh. 18 no. 11 38-42 N '60.

KARSHI STEPPE (UZBEKISTAN)—RECLAMATION OF LAND

Soil production capacity in initially reclaimed lands of the Karshi Steppe. Kh. T. Nasyrov. Nauch. trudy TashGU no. 291 48-49 '66.

KARST—see subdivision under Crimean Mountains; Tatar A.S.S.R.

KARYOKINESIS

autoradiographic study of nuclear protein synthesis. Report No. 2. Evidence of nuclear protein synthesis presence at various stages of mitotic cycle in human blood lymphocyte culture. L. I. Lavina, I. M. Shapiro. Genetika no. 3 154-160 Mr '67.

Effect of mieldrin on mitosis in roots of Crepis capillaris sprouts. D. S. Maikarian. Genetika no. 3 55-58 Mr '67.

Study of the mitotic cycle of thyroid epithelium using thymidine-H³. R. A. Gubadulin. Biol. eksp. biol. med. 63 no. 5 97-100 My '67.

Study of the synthesis of proteins and RNA by mitotic division of acinosa cells of the pancreas. V. V. Kazanov. Biol. eksp. biol. med. 63 no. 5 90-93 My '67.

KAZAKHISTAN—AGRICULTURE

Run agriculture on a scientific basis. I. Kubenbaev. Nar. khoz. Kazakh. 18 no. 11 33-37 N '60.

All-Union Academy of Agricultural Sciences, held in Tselinograd, January 31-February 4, 1960. Problemy sel'skogo khozaistva Severnogo Kazakhstana i stepnykh rayonov Zapadnoi Sibiri; materialy vyzvodnoi sessii VASKIMIL, sostoyavshejsia v g. Tselinograde 31 ianvaria-4 fevralia 1966 g. Moskva, Kolos, 1967. 574 p. (DNAL)

KAZAKHISTAN—BLASTING—SAFETY MEASURES

Practitioners during blasting operations in the Kazakhstani mines and its causes. V. N. Zherebko. Bezop. truda v prom. 11 no. 5 14-17 My '67.

KAZAKHISTAN—BOOKSELLERS AND BOOKSELLING

Their labor is priceless. V. Daniluk. Knur. torg. 10 no. 4 20 Ap '67.

KAZAKHISTAN—BUILDING MATERIALS INDUSTRY

For further industrialization in construction. A. Klinkov. Nar. khoz. Kazakh. 18 no. 12 19-22 D '60.

KAZAKHISTAN—CAMELS

Machine milking of camels. V. P. Kadenov. Vest. sel'khoz. nauki [Kazakh.] 9 no. 12 108-109 D '66.

KAZAKHISTAN—COMMUNIST PARTY

Istoriia istorii parti, Alma-Ata. [Problems in the history of the Communist Party of Kazakhstan] Voprosy istorii Kommunisticheskoi parti Kazakhstana. Alma-Ata, "Kazakhstan," 1965. 330 p. (NIP)

KAZAKHISTAN—CONSTRUCTION INDUSTRY

Decisively eliminate breakage and suppress violations in city building. I. Isayev. Nar. khoz. Kazakh. 18 no. 11 20-22 N '60.

For further industrialization in construction. A. Klinkov. Nar. khoz. Kazakh. 18 no. 12 19-22 D '60.

Supply to materials and machinery and the economics of construction. I. Shcherba. Nar. khoz. Kazakh. 18 no. 12 23-26 D '60.

KAZAKHISTAN—CONSTRUCTION INDUSTRY—FINANCE

Improving business accounting in construction. M. Aunatibovskii. Nar. khoz. Kazakh. 18 no. 11 43-46 N '60.

KAZAKHISTAN—CRIME AND CRIMINALS

Struggle against the violation of Soviet laws in the organizations of the "Sel'khoztekhnika." U. Seifov. Sots. zakon. no. 1 54-56 Ap '67.

KAZAKHISTAN—CRIMINAL JUSTICE, ADMINISTRATION OF

Ways to improve the work of courts. A. Dzhusupov. Sots. zakon. no. 1 29-31 Ap '67.

KAZAKHISTAN—CUTWORMS—EXTERMINATION

An efficient method. P. P. Kovalchuk. Zashch. rast. 12 no. 4 17 '67.

KAZAKHISTAN—DAIRY CATTLE

Red Latvian cattle in northern regions of Kazakhstan. Zh. Kaimov. Vest. sel'khoz. nauki [Kazakh.] 9 no. 12, 53-58 D '66.

KAZAKHISTAN—DARKLING BEETLES

Darkling beetles of the genus Melanotus 1 ac. (Coleoptera, Tenebrionidae) in central Kazakhstan. N. G. Skopin. Ent. obozr. 46 no. 1 205-211 '67.

KAZAKHISTAN—DRILLING MUDS

Using stabilized muds in drilling alternating saline and toluene strata. P. K. Giat, D. E. Zlotnik. Burenie no. 3 22-24 '67.

KAZAKHISTAN—DRILLING MUDS—ANALYSIS

Experience in using mud of low silicate content in drilling SG-1-Aralskii well. I. B. Adol' and others. Burenie no. 3 13-17 '67.

KAZAKHISTAN—ECONOMIC CONDITIONS

The October Revolution and the transformation of the nationalities living on the borderlands. D. Kuneev. Kommunist 44 no. 6 25-27 Ap '67.

Tuganbayev, A. Sh. [The October Revolution and the development of the Soviet Kazakh national state system] Okladyr'skala revoliutsia i razvitiie kazakhskoe gosudarstvennoe i razvitiie kazakhskoe gosudarstvennoe Alma-Ata, "Kazakhstan," 1967. 131 p.

KAZAKHISTAN—EFFICIENCY, INDUSTRIAL

Innovators improve production. Nar. khoz. Kazakh. no. 11 17-19 N '60.

KAZAKHISTAN—ETHNOLOGY—BIBLIOGRAPHY

New literature on the peoples of Central Asia and Kazakhstan. Sov. etn. no. 2 195-202 Mi-Apr '67.

KAZAKHISTAN—FLEA BEETLES—EXTERMINATION

Trap for the garden flea hopper Halticus ulmeri. N. E. Svetlichnyi. Zashch. rast. 12 no. 4 49-50 '67.

KAZAKHISTAN—FLOUR MILLS

The production of flour should be near local demand. A. G. Igor'ian. Nar. khoz. Kazakh. 18 no. 12 64-65 D '60.

KAZAKHISTAN—GAS INDUSTRY

Prepare to receive Uzbek gas. N. Mun'ko. Nar. khoz. Kazakh. 18 no. 12 14-16 D '60.

KAZAKHISTAN—GEOLOGY

[Earth's crust of Kazakhstan; collection of geological and geophysical papers] Zemnaia kora Kazakhstana; geologo-geofizicheskiy sbornik. Alma-Ata, Nauka, 1967. 163 p.

- KERCH PENINSULA—MINERAL WATERS**
Carbonic and mud-volcano waters in northeastern part of Kerch Peninsula, S V Al'kov. Dokl AN SSSR 173 no.5:1166-1169 Ap '67.
- KERCH STRAIT—HYDROLOGY**
Characteristics of horizontal turbulence in a shallow strait. E N Altman, B L Lagutin, D M Tolmazin. Sbornik EGMOCHAM no.4:75-98 '68
- KERCH STRAIT—SEA LEVEL**
Changes of level and slopes of water surfaces in Kerch Strait. E N Altman. Sbornik EGMOCHAM no.4:49-74 '66
- KETENE**
Fluoroketenes. I U A Cheburkov, A M Platoshkin, I L Krumlants. Dokl AN SSSR 173 no.5:1117-1120 Ap '67
- KETONES**
Complexes of chelates of β -aminovinyl ketones with SnCl_4 . V T, Panluskhin and others. Zhur.org.khim. 12 no.3:819-823 Mi '67
Diene and dienophile activity of cyclohexyl vinyl ketone. A G Ismailov, G L Sagatov, M R Alakishleva, Zhur.org.khim. 3 no.1:663-665 Ap '67
Isomeric transformations of epoxy compounds with mobile hydrogen atoms in carbon side chain. Part II. Structure of the products of reaction of Na derivatives of acetophenone and methyl phenyl ketone with 1-bromo-3-methyl-2,4,4-trisubstituted. B A Lishov and others. Zhur.org.khim. 3 no.3:524-529 Mi '67
Ketonization of carboxylic acids on samarium oxide under steady and unsteady conditions. I L, Pambuzina and others. Dokl AN SSSR 173 no.3:606-608 Mr '67
New method of synthesizing 2-substituted-1,3-diketones. V M Dzlonko, O V Ivanov, Zhur.org.khim. 3 no.4:712-717 Ap '67
Polarographic behavior of methyl α -bromo- γ -acetoxypropyl ketone and its qualitative determination. G P Tikhonova, S L Belen'kaya, N F Madudina. Zhurnal khim. 22 no.2:301-304 F '67
Reaction of perfluoroketones with aromatic compounds. B R Livshits and others. Izv. AN SSSR Ser.khim. no.3:614-618 Mi '67
Reaction of phosphorus acids with aldehydes and ketones. Part 32: Esters of α -hydroxy- α -dithioxyphosphonemethylbutylphosphonic and α -hydroxy- α -alkoxyphosphonic-pyrophoric acids. V S Abamov, V I Babanov, L I Long. Zhur.org.khim. 37 no.3:714-718 Mr '67
Study of β -diketonates of rare earth elements by means of infrared spectroscopy. A I Byrke and others. Zhur.org.khim. 12 no.3:666-671 Mr '67
- KHABAROVSK—RADIOBROADCASTING**
The broadcast was prepared by worker correspondents. A Khamenok. Sov.radio i tel. 9 no.6:11 '69
- KHABAROVSK TERRITORY—ALGAL, FOSSIL**
Oncoliths and catagrapths of Yudoma series of Uchur-Maya region. L I Naizumykh. Dokl AN SSSR 173 no.4:887-890 Ap '67
- KHABAROVSK TERRITORY—CONCRETIONS**
Oncoliths and catagrapths of Yudoma series of Uchur-Maya region. L I Naizumykh. Dokl AN SSSR 173 no.4:887-890 Ap '67
- KHABAROVSK TERRITORY—GEOLOGY, STRATIGRAPHIC**
Oncoliths and catagrapths of Yudoma series of Uchur-Maya region. L I Naizumykh. Dokl AN SSSR 173 no.4:887-890 Ap '67
- KHABAROVSK TERRITORY—ROBBER FLIES**
Biology of Eulimna rubicunda Mg. (Diptera, Asilidae) in Khabarovsk Territory. P A Espenko. Ent. oboz. 46 no.1:109-112 '67
- KHABAROVSK TERRITORY—SOIL FERTILITY**
Change in the fertility of turf-podzolic soils under the effect of fertilizers. L D Tikhomirova, Agroklimat. no.4:87-90 Ap '67
- KHAKASSIAN EPIC POETRY** see Epic poetry, Khakassian
- KHANIN, ISAAK MARKOVICH, 1907-**
Isaak Markovich Khanin is sixty. Koks i khim. no.3:64 '67
- KHARKOV—AMATEUR THEATRICALS**
The studio and amateur art activities, Z Chirikova. Sov.radio i tel. 9 no.8:18 '60
- KHARKOV—JUVENILE DELINQUENCY**
Work experience of a district party committee in the prevention of juvenile delinquency. F D'achenko. Sots.zakon. no.3:27-28 Mr '67
- KHARKOV—MACHINERY INDUSTRY—SAFETY MEASURES**
Without old age. A Kozlovskaya. Okhr.truda i sots.stekh. 10 no.5:30-31 My '67
- KHARKOV—PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES**
Technological cycle of painting by the use of a single unit. L L Boguslavskii. Lakokras.mat. i kh.prom. no.2:73-74 '67
- KHARKOV—SHOE MACHINERY**
Improvement of the equipment of the Kharkov Association of Shoe Manufacturing Enterprises No 1. A L Holotko. Loh.prom. 8 no.2:34-41 Mr '67
- KHARKOV—STUDENT ACTIVITIES**
Province student conferences. V I Savelliev. Sred.spets. obr. 14 no.3:1-32 Mi '67
- KHARKOV—TELEVISION BROADCASTING**
Daytime television broadcasting. I Uskov. Sov.radio i tel. 9 no.5:20-21 '60
- KHARKOV—TELEVISION PLAYS**
The studio and amateur art activities. Z Chirikova. Sov.radio i tel. 9 no.6:18 '60
- KHARKOV—TELEVISION PROGRAMS**
Searches, finds and reflections. M Mezlov. Sov.radio i tel. 9 no.6:11-13 '60
Victories and misfortunes of "kinovishok." S Zelkin. Sov.radio i tel. 9 no.6:13-15 '60
- KHARKOV—TURBINES**
Stress upon economics. M Sorokin. Sov.profsoluz. 23 no.7:7 Ap '67
- KHARKOV PROVINCE—FURNITURE INDUSTRY**
We cannot let down our leaders. A Beletskii, L Kulish. Part. zhizn. no.7:70 Ap '67
- KHARKOV PROVINCE—LABOR SERVICE**
Komunisticheskaia partiia Ukrainy. Khar'kovskii oblast'noi komitet. Partiiinyi arkhiv. [The first Communist subunits of Kharkov Province; a collection of reminiscences] Per vye kommunisticheskie subhoiniki na Khar'kovshchine; sbornik vospominanii. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962. 110 p. (CST-II)
- KHARKOV PROVINCE—PUBLIC PROSECUTORS**
Voluntary assistants to public prosecutors. P Sheherbinskii. Sots.zakon. no.3:55-56 Mr '67
- KHAYAN-KORT OIL FIELD—GAS, NATURAL**
In Khayan-Kort everything is all right. V Dzislak. Neftianik 10 no.2:7 F '65
- KHAYAN-KORT OIL FIELD—PETROLEUM PRODUCTION**
In Khayan-Kort everything is all right. V Dzislak. Neftianik 10 no.2:7 F '65
- KHERSON—MARINE ENGINEERING—STUDY AND TEACHING**
Our experience in project work for credits in the machine parts course. F E Krupnik. Sred.spets.obr. 13 no.10:26-27 Q '66
- KHERSON PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION**
We must organize the training party bureau members. V Vydrinkov. Part. zhizn. no.7:72 Ap '67
- KHIBINY MOUNTAINS—BORING—SAFETY MEASURES**
Boring holes in gas-producing ore fields. V D Rudenko. Bezop.truda. v prom. 11 no.3:12-15 Mi '67
- KHIVA DISTRICT—STOCK AND STOCKBREEDING**
Among livestock breeders of the Biron Collective Farm. K Bikanov. Nar.khoz.Uzb. 3 no.1:29-31 Ja '61
- KHMELENITSKY PROVINCE—ANTIQUITIES**
A treasure trove of late Triptyle period jewelry found in TSViklovoy. T H Mavria. Arkheologiya 18:161-170 '65
- KHOREZM PROVINCE—AGRICULTURE**
More fully utilize potentialities for the further development of agriculture. F Shamsudinov. Nar.khoz.Uzb. 3 no.1:11-20 Ja '61
- KHOREZM PROVINCE—ECONOMIC CONDITIONS**
For hastening the development of the province's economic conditions. N Muradov. Nar.khoz.Uzb. 3 no.1:21-27 Ja '61
- KHOTIN (BUKOVINA)—FORTIFICATIONS, OLD**
The Khotin Fortress. B O Tymoshchuk. Ukr. ist. zhur. 11 no.4:109-111 Ap '67
- KHOVANSKII, DMITRII VASIL'EVICH, 1884-1966**
In memory of Dmitrii Vasil'evich Khovanskii. Arkh.pai. 29 no.3:94-95 '67
- KHRUSHCHEV, NIKITA SERGEEVICH, 1894-**
Face to face with America: excerpt from a book. Sov.radio i tel. 9 no.2:13-14 '60
- KIDNEY FUNCTION TESTS**
Comparative evaluation of the enzymatic activity of various portions of the nephron, histochemical study. V V Seirov, A G Ufimtseva. Biul.eksp.biol. i med. 63 no.5:113-117 My '67
Effect of pneumo- and oxygenperitoneum on renal function. B I A. Varshevskii. Biul.eksp.biol. i med. 63 no.5:38-41 My '67
- KIDNEYS**
Effect of apoplexy on the secretory function of kidneys. A G Poplavskaya. Trudy Oren.oid. Vses. fiziol. obva. no.3:262-265 '64
Production of highly purified diamine oxidase preparations from swine kidneys. E V Gorlachenkova, L I Shcherbatuk, E A Voronina. Biokhimiia 32 no.2:398-402 Mi '67
Role of kidneys in the humoral function of the physiological anticoagulative system. T Anushko, T M Kallishevskaya. Dokl AN SSSR 173 no.2:470-480 Mr '67
Study of diamine oxidase in swine kidneys by electron paramagnetic resonance method. E V Gorlachenkova, K I Zamarayev, L I Shcherbatuk. Dokl AN SSSR 173 no.3:707-710 Mr '67
- KIDNEYS—ABNORMALITIES AND DEFORMITIES**
Case of a calculus in a dysplastic kidney with a rare anomaly in the pelvis. I S Fil'to. Urologiya 25 no.3:63-64 My-Je '60
- KIDNEYS—BLOOD SUPPLY**
Afferent innervation of kidney nerves in experimental kidney ischemia. I U L Pines. Dokl AN SSSR 173 no.3:725-728 Mr '67
Pathomorphology of the vascular system of renal pelvis in atherosclerosis and hypertension. V A Samsonov, M M Severova. Arkh.pat. 20 no.3:63-67 '67
- KIDNEYS—CANCER**
Rare metastases of hypernephroid cancer of the kidneys as a primary manifestation of the disease. V I Simonova. Urologiya 25 no.3:25-29 My-Je '60
Therapeutic effect of dipin in metastases of hypernephroma. E B Marinkikh. Urologiya 25 no.3:59-61 My-Je '60
- KIDNEYS—DISEASES**
Changes in the hematopoiesis in dogs in acute renal insufficiency caused by heterotransfusion. T I Kozetskaya. Pat. fiziol. i eksp. terap. 11 no.2:59-61 Mr '67
Changes in the water-electrolyte balance in experimental pathology of the kidneys in rats. L M Romendik. Pat. fiziol. i eksp. terap. 11 no.2:72-74 Mr '67
Use of hypotiazide in chronic kidney diseases. I U D. Shul'ga. Sov.med. 27 no.8:110-112 Ag '63
- KIDNEYS—INFLAMMATION**
Treatment of pyelonephritis. M L Korikov. Khirurgiya 13 no.1:102-105 Ap '67
- KIDNEYS—INNERVATION**
Afferent innervation of kidney nerves in experimental kidney ischemia. I U L Pines. Dokl AN SSSR 173 no.3:725-728 Mr '67
- KIDNEYS—SURGERY**
Age-related changes in protein synthesis. Report No. 4. Protein and nucleic acid formation in kidneys of different-aged animals following nephrectomy of one kidney. E V Parina, L I Bezuglaia, E A Mnuishkina. Uch. zap. KGU 131:27-32 '62
Effect of nucleic acid synthesis inhibitor and stimulator on the development of compensatory hypertrophy and the function of the unique kidney. F Z Meerson and others. Dokl AN SSSR 165 no.6:1400-1412 D '65
Reoperation of a kidney in nephrolithiasis. L A Shain. Urologiya 25 no.3:64-65 My-Je '60
Restorative processes following resection of a kidney in dogs. V A Vasilenko. Biul.eksp.biol. i med. 63 no.5:35-38 My '67
- KIDNEYS—TUMORS**
Cavernous angioma of the kidneys. N T Ushakova. Urologiya 25 no.3:56-57 My-Je '60
Paths of the spreading of papillary tumors of the kidney pelvis and the ureter. D S Muratkin. Urologiya 25 no.3:29-33 My-Je '60
Rare case of a hypernephroma of a single kidney. M F Muradov. Urologiya 25 no.3:57-59 My-Je '60
- KIEV—BONE IMPLEMENTS**
Bone implements found at the Kirillovskaya campsite of the Paleolithic period. V I Bibikova. Arkheologiya 20:143-145 '66
- KIEV—BOOKSTORES**
Friendship with the enterprises. E Lotchevskaya. Knizh.torg. 18 no.4:24 Ap '67
- KIEV—CHEESE INDUSTRY—EQUIPMENT AND SUPPLIES**
Unit for pressing and cooling the UPT brand of cheese. I P Shtrafun. Khar.prom. no.2:34-35 Mr '67

- KIEV—CITY PLANNING**
 P. V. I. A. Brashina, and I. K. Sipagina. [City planning project] Gornyi i gornopromyshlennaya promyshlennost', 1967, 225 p.
- KIEV—COALS, SLAVIC**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—GEOGRAPHICAL GEOLOGY**
 P. V. I. A. Brashina, and I. K. Sipagina. [City planning project] Gornyi i gornopromyshlennaya promyshlennost', 1967, 225 p.
- KIEV—KAVAKOV'S (ARCHAEOLOGY)**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—FOOD, FROZEN**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—KNIT GOODS INDUSTRY—FINANCE**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—PAPER INDUSTRY**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—RADIO AND MUSIC**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—SHOE MACHINERY—TECHNOLOGICAL INNOVATIONS**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—SHOOTING CONTESTS**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—TELEVISION AND CHILDREN**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—TELEVISION BROADCASTING**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—TELEVISION IN AGRICULTURE**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—TELEVISION PROGRAMS**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV—TOBACCO INDUSTRY**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV PROVINCE—ANTIQUITIES**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV PROVINCE—COMMUNITY CENTERS**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV PROVINCE—EXCAVATIONS (ARCHAEOLOGY)**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV PROVINCE—RADIO AUDIENCES**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KIEV REGION—CONDENSATION TRAILS**
 V. P. P. T. V. A. Brashina, 20123-124 '66
- KILAS** see subdivision under Obila (Borysthenes)
- KINDERGARTEN**
 (see also subdivision under Novosibirsk)
 Does this happen at your place, V. I. Uteyevich, B. Golovenchuk, M. Sidelnikova. Doshk. vosp., 40 no. 4:101-111 '67.
 Tell the children about Lenin. G. Ly nova. Doshk. vosp., 40 no. 4:122-14 '67.
- KINDERGARTEN TEACHERS**
 Generosity and with love. O. Zvoieva. Doshk. vosp., 40 no. 4:87 '67.
 Teachers are studying. Doshk. vosp., 40 no. 4:100-103 '67.
 When mother works. I. Kapustin. Doshk. vosp., 40 no. 4:103 '67.
- KINETIC THEORY OF GASES** see Gases, Kinetic theory of
- KINETICS** see Dynamics
- KINOSEPP (LENINGRAD PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**
 We shall be awarded the title of brigade of communist labor. V. Egorov. Na stol. Ros., 5 no. 1:8-9 Ja '64.
- KINNOGEN**
 Purification of kinnogen (bradykinogen) from rabbit blood plasma and the study of its properties. T. P. Egorova, T. S. Pashkina. Biokhimiya, 32 no. 2:364-362 Mr.-Ap '67.
- KIRGHIZISTAN—COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES**
 Introducing X-ray methods for determining ash content in coals of Kirghizistan mines. A. I. Chernikov. Ugol', 42 no. 4:67-68 Ap '67.
- KIRGHIZISTAN—EDUCATION, HIGHER**
 Schools of higher education in socialist Kirghizistan. A. K. Kanimetov. Vest. vyz. shkoly, 25 no. 3:65-73 Mr '67.
- KIRGHIZISTAN—RADIO PROGRAMS**
 On a satellite wave. D. Sitnikov. Sov. radio i tel., 9 no. 5:26-27 '60.
- KIRGHIZISTAN—STUDENT ACTIVITIES**
 Dadabaeva, P. S. [Socially beneficial work of students in the history of the Soviet Kirghiz school, 1918-1964] Obshchestvenno poleznyy trud uchashchikhsya v listovii Virgizskoi sovetskoi shkoly (1918-1964 gg.). Pod obsheh red. Ispredsl. A. E. Izmailova. Frunze, Mektep, 1966, 142 p.
- KIRILOVKA (ZAPOROZH'YE PROVINCE)—HEALTH RESORTS, WATERING PLACES, ETC.**
 Experience in the use of submerged vertical traction at Kirilovka Health Resort. B. S. Gavrilenko. Ortop., travm. i protez., 28 no. 4:39-41 Ap '67.
- KIROV PROVINCE—BOOKSELLERS AND BOOKSELLING**
 A book for every home. G. Shamyshov, L. Vylegzhennin. Knizh. toig., 18 no. 4:26-27 Ap '67.
- KIROVOGRAD—LIBRARY EXHIBITS**
 An open review. A. Sokhrannaya. Bibliotekar', 44 no. 4:9-10 Ap '67.
- KIROVOGRAD PROVINCE—EXCAVATIONS (ARCHAEOLOGY)**
 An early Slavic burial ground in the Dnysnyn Valley. IE O. Pchovska, D. I. Pechin. Arkheologiya, 16:170-179 '63.
 New data on V. V. Khvalko's excavations near the village of Pastyrakoye. E. V. Iakovenko. Arkheologiya, 20:180-184 '66.
- KISHINEV—NONWOVEN FABRICS**
 Economy of raw material in the production of sheet wadding. S. Shvartsman, E. Bradoi. Tekst. prom., 27 no. 4:58-59 Ap '67.
- KISHINEV—SERVICE INDUSTRIES—COSTS**
 Ways of reducing the cost of services. G. Tumanov, I. Gershburg. Fin. SSSR, 41 no. 4:73-75 Ap '67.
- KISOLOVODSK—HEALTH RESORTS, WATERING PLACES, ETC.**
 Treatment of some neuropsychic diseases in Kislovodsk sanatoriums. A. I. Zhabnina. Zh. nev. i psikh., 67 no. 4:588-592 '67.
- KIZEL BASIN—GEOLOGY, STRUCTURAL**
 Paleotectonic conditions governing formation of Kizel coal basin. I. V. Pakhomov. Geotektonika, 2:55-70 Mr.-Ap '67.
- KIZIL KUM** see Kyzyl Kum
- KILMOV, GAVRIIL IVANOVICH, 1880-1907**
 Gavriil Ivanovich Kilmov; obituary. Tr. prof. prom., 44 no. 2:48 '67.
- KLINTSY (BRYANSK PROVINCE)—SPINNING MACHINERY**
 New drawing machines at the Klintsy factory. B. I. Solodkin. Tekst. prom., 27 no. 4:38-39 Ap '67.
- KLUGE, VIKTOR ADOL'FOVICH, 1880-**
 Viktor Adol'fovich Kluge, on his 70th birthday. Vest. i rad., 12 no. 2:107 Mr.-Ap '67.
- KNEE—DISEASES**
 Vascularization of tissues in experimental dystrophic and deforming changes of the knee joint. G. D. Nakonechnyi. Ortop., travm. i protez., 28 no. 4:44-49 Ap '67.
- KNEE—TUBERCULOSIS**
 Treatment of tuberculous gonitis. L. S. Gambashidze. Sob. AN Gruz. SSR, 45 no. 2:537-540 P '67.
- KNEE—WOUNDS AND INJURIES**
 Use of hydrocorisone in the treatment of wounds of the knee joint. S. P. Titov. Ortop., travm. i protez., 28 no. 4:71 Ap '67.
- KNIT GOODS**
 Use of fluffy high-bulk yarn for the sewing of outerwear. N. N. Vashchinskaya. Tekst. prom., 27 no. 2:37-39 Mr.-Ap '67.
- KNIT GOODS—DYEING**
 Unit for the steam and heat treatment of woolen outerwear. I. U. A. Shchegolev, N. A. Naumova. Tekst. prom., 27 no. 2:31-37 Mr.-Ap '67.
- KNIT GOODS—QUALITY CONTROL**
 Effect of chemical treatment on some wear properties of knit fabrics. N. P. Vasyshyna, M. A. Dikova. Tekst. prom., 27 no. 2:17-19 Mr.-Ap '67.
- KNIT GOODS INDUSTRY**
 (see also subdivision under Kiev; Smolensk)
 Main trends in the specialization of the knit goods enterprises. A. N. Kostyleva. Tekst. prom., 27 no. 2:13-14 '67.
 New underwear fabric from the "Kremenskaya" factory. L. V. Plutinskaya, S. M. Pechenkin. Tekst. prom., 27 no. 2:13-14 '67.
 Specialization in the knit goods industry. A. V. Kiselev. Tekst. prom., 27 no. 2:13-14 '67.
- KNIT GOODS INDUSTRY—MANAGEMENT** (see also subdivision under Tula)
- KNITTING**
 Zubkova, T. A., and T. N. Smirnova. [Aesthetic knitting with needles] Knitochestvennoe vyzhivanie na spitsakh. Moskva, Legkaya Industriya, 1965, 296 p.
- KNITTING MACHINES**
 (see also subdivision under Chernovtsy)
 Calculation of the technological fixing of knit fabrics in the production of knit fabrics for outerwear. A. A. Kiselev. Tekst. prom., 27 no. 2:13-14 '67.
- KNITTING MACHINES—EXHIBITIONS**
 Knitting equipment at the exhibition in Brno (Czechoslovakia). I. A. Sobolev. Tekst. prom., 27 no. 2:13-14 '67.
- KNORIN, VIL'GEL'M GEORGEVICH, 1890-1930**
 V. G. Knorin. Ist. SSSR, 2:104-110 Mr.-Ap '67.
- KNOWLEDGE, SOCIOLOGY OF**
 Knowledge and consciousness. M. Antikova. Vop. filoz., 21 no. 4:81-83 Ap '67.
- KNOWLEDGE, THEORY OF**
 Extrapolation and experiment. I. A. Zelenov. Vop. filoz., 21 no. 4:87-90 '67.
 The nature of mathematical abstractions and their role in scientific knowledge. V. M. Stanyukovich. Vop. filoz., 21 no. 4:87-90 '67.
 Principles of the reproduction of objects in knowledge. V. A. Lektorskiy. Vop. filoz., 21 no. 4:11-14 '67.
 Problem in the dialectic of the development of knowledge. Akh. Tumanov. Vop. filoz., 21 no. 4:11-14 '67.
 Simulation as a category of the theory of knowledge. K. B. Batorov. Nauch. dokl. vuz. shkoly, 10 no. 2:33-34 '67.
- KNUNANTS, IVAN LUDVIGOVICH, 1890-**
 Magician of chemistry. Prom. Arin., 10 no. 3:1 '67.
- KOCILIA**
 Large crops of kochia prostrata in steppe pastures. I. A. Keizer. Trudy UMNIZH, 10:117-119 '67.
- KOKCHETAV PROVINCE—CORN (MAIZE)**
 Growing corn for silage in Kokchetav Province. M. A. Kogut. Vest. sel'khoz. nauch. [Kazakhst.] 10 no. 3:11 '67.
- KOLA PENINSULA—GEOLOGY**
 Latest stage in development of Fennoscandia, Kola Peninsula, and Karelia. N. I. Nikol'sev. Izv. AN SSSR, 42 no. 1:19-20 Ja-F '67.
- KOLA PENINSULA—PINE**
 More on the origin of the Siberian pine in the northwestern part of the U.S.S.R. V. N. Vasil'ev. Izv. Vsesoyuz. obshch. 99 no. 2:155-156 Mr.-Ap '67.
- KOLKHIDA** see Colchis
- KOLKHIDA LOWLAND—RECLAMATION OF LAND**
 Selection and justification of a complex of machines for the overall mechanization of work in the reclamation of now areas in the Kolkhida Lowland. G. V. Kiselev. Subtrop. kul't., 10:146-153 '66.

- KOLKHOZES** see Collective farms
- KOLOMIYETS, OLEKSI FEDOTOVYCH, 1919-**
The poetry of thought. Dlia Vskulenko. Rad. lit. II no. 2-3-11 F '67.
- KOLOMNA—MACHINE TOOLS—DESIGN AND CONSTRUCTION**
Laboratory of aesthetics. V Gatsko. Otkrytiya i soz strakh. 10 no 5:20-21 My '67.
- KOLOMIYYA (UKRAINE)—ETHNOLOGICAL MUSEUMS AND COLLECTIONS**
The 40th anniversary of the Hucul Museum in Kolomyia. V. V. H. abovats'kyi. Ukr. lit. zhur. II no. 4:159-160 Ap '67.
- KOLPINO (LENINGRAD PROVINCE)—MACHINERY INDUSTRY—MANAGEMENT**
Zimlin, G. L. [Commercial service of an enterprise] Kommercheskaya sluzhba pi edprilatiia. [Leningrad] Lenzdat, 1967. 55 p. (Shkola sotsialisticheskogo khozaiistvovaniia)
- KOLPINO (LENINGRAD PROVINCE)—METALWORK**
Zimlin, G. L. [Commercial service of an enterprise] Kommercheskaya sluzhba pi edprilatiia. [Leningrad] Lenzdat, 1967. 55 p. (Shkola sotsialisticheskogo khozaiistvovaniia)
- KOLYMA DELTA—HYDROLOGY**
Formation of rise and flow variations of level in Kolyma bar. L. G. Topol'kov. Trudy AANI 278:39-51 '67.
Water regime of Kolyma Delta based on laboratory studies. N. P. Giliarov, V. V. Ivanov. Trudy AANI 278:22-38 '67.
- KOLYMA RIVER—ICE**
Freezing regime of the months of the Kolyma and Indigirka. A. P. Butdykina. Trudy AANI 278:84-125 '67.
- KOMANDORSKIYE ISLANDS—DISCOVERY AND EXPLORATION**
Bondareva, N. A. [Seven weeks on Komandorskiye Islands; 225th anniversary of the discovery of the islands] Sem' nedel' na Komandorskikh; k 225-letliu otkrytiia ostr'ovov. Petropavlovsk-Kamchatskii [Dal'nnevostochnoe knizhnoe izd-vo] 1966. 52 p.
- KOMI A.S.S.R.—BOTANY, ECONOMIC**
Kichigin, A. A., ed. [Wild-growing useful plants of the Komii A.S.S.R.] Dikorasnyashchie poleznye rasteniia Komii ASSR. Syktyvkar, Komii knizhnoe izd-vo, 1966. 191 p.
- KOMI A.S.S.R.—ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION**
Mechanization of processing initial documentation of well production in Tekhn oil field administration using E.V-45 computers. V. O. Vasyukov, I. D. Shatalov. Organ. i upr. nefteob. prom. no. 4:26-27 '66.
- KOMI A.S.S.R.—PETROLEUM GEOLOGY**
Evaluation of geologic effectiveness of geophysical well studies. L. I. Beiman, B. Kh. Muzafirov, V. I. Shepitinov. Neftegaz. geol. i geofiz. no. 3:34-38 '67.
- KOMI A.S.S.R.—PETROLEUM PRODUCTION—MANAGEMENT**
Experience in introducing scientific labor organization in enterprises of Ukhla combine. A. M. Fedorov. Organ. i upr. nefteob. prom. no. 1:26-29 '66.
Introducing scientific labor organization into Ukhla Combine. A. M. Fedorov. Organ. i upr. nefteob. prom. no. 6:29-30 '66.
- KOMI A.S.S.R.—POTATOES**
Schinin, V. A., and V. A. Nikulina. [Potato as a northern crop] Kartofel'—kultura severnaia. Syktyvkar, Komii knizhnoe izd-vo, 1966. 120 p. (DNAL)
- KOMI A.S.S.R.—WATER RESOURCES DEVELOPMENT**
[Effect of the diversion of the flow of northern rivers into the Caspian Sea Basin on the national economy of the Komii A.S.S.R.] O vliianii perebrozki stoka severnykh rek v bassain Kaspiia na narodnoe khozaiistvo Komii ASSR. Leningrad, Nauka, 1967. 208 p.
- KOMI A.S.S.R.—WOOD-USING INDUSTRIES**
Preparing for work under new conditions. Par. zhizn no. 7: 61-65 Ap '67.
- KOMISSARENKO, VASILII PAVLOVICH, 1907-**
Academician of the Academy of Sciences of the Ukrainian S.S.R. V. P. Komissarenko, on his 60th birthday. Pat. fiziol. i tekhn. teorii II no. 2:93-91 Mi-Ap '67.
- KONCHANSKOYE-SUVOROVSKOYE (NOVGOROD PROVINCE)—HISTORICAL MUSEUMS**
Malysheva, V. P. [Konchanskoye-Suvorovskoye; the A. V. Suvorov Museum and National Park] Konchanskoe-Suvorovskoe; Muzei i zapovednik A. V. Suvorova. [Leningrad] Lenzdat, 1967. 50 p. (Turistu o Novgorode)
- KONDRATOVA, NINA VLADIMIROVNA**
[popular announcer. A Nat]. Sov. radio i tel. 9 no. 3: 7 '66.
- KONENKOV, SERGEI TIMOFEEVICH, 1874-**
Meetings with Konenkov. L. Zhurav. Mol. kom. no. 1: 122-125 '67.
- KONSTANTINOV, KONSTANTIN IVANOVICH, 1817-1871**
Creator of combat locks. IU. Volnov. Tekhn. i voen. 25 no. 1-6-7 Ja '67.
- KOONEN, ALISA GEORGIEVNA, 1889-**
Pages from my life (to be continued). Alisa Koonen. Teatr. 28 no. 3:61-76 Mi '67.
- KOREA—STONE AGE**
Discovery of the Paleolithic in Korea (the Kulp'o culture). V. F. Larchev, B. G. Grigorov. Izv. SO AN SSSR no. 1:98-104 Ja '67.
- KOREA, SOUTH—ECONOMIC CONDITIONS**
In a "modernized state." A. Mikhlin. Sov. profsoiuzy 23 no. 6:10-11 Mi '67.
- KOREA, SOUTH—POLITICS AND GOVERNMENT**
Pai Chung Hee was elected again in South Korea. Te Chung Ak. Nov. vrem. 25 no. 20,14 My '67.
- KORKINO REGION (CHELYABINSK PROVINCE)—MINE DUSTS—PREVENTION**
Method of dust prevention during excavation. V. S. Ivashkin, A. P. Krasavin. Bezop. budn. v prom. II no. 1: 35-37 Mi '67.
- KOROSTELEV, ALEKSANDR ALEKSEEVICH, 1887-1930**
The Korostelev brothers. B. D. Kargaveva. Ist. SSSR no. 2:14-52 Mi-Ap '67.
- KOROSTELEV, GEORGI ALEKSEEVICH, 1885-1932**
The Korostelev brothers. B. D. Kargaveva. Ist. SSSR no. 2:44-52 Mi-Ap '67.
- KOROTKOV, ALEKSEI ANDREEVICH, 1910-1967**
In memory of A. A. Korotkov. Kauch. i rez. 26 no. 4: 51-55 '67.
- KOSTROMA PROVINCE—PEAS—DISEASES AND PESTS**
Trace element fertilizers helped. A. N. Grigorov. Zashch. rast. 12 no. 4:57 '67.
- KOSTROMA PROVINCE—RURAL CONDITIONS**
A follow-up of articles. Mol. kom. no. 2:65 '67.
Rural construction projects of the Kostroma Province. A. Makov. Kommunist 11 no. 6:81-85 My '67.
- KOSTROMA PROVINCE—SUGAR BEETS—DISEASES AND PESTS**
Trace element fertilizers helped. A. N. Grigorov. Zashch. rast. 12 no. 4:57 '67.
- KOTARBINSKI, TADEUSZ, 1896-**
Some problems in the geology of Fiedusz Kolarbinski. M. M. Verinikov. Vnesh. L'viv. un. Ser. nauk. no. 2: 174-178 '66.
- KOTEL'NIKOV, GLEB EVGEN'EVICH, 1872-1944**
Russian, Kotelnikov's, the first model. V. Doronin. Tekhn. i voen. 25 no. 1-9 Ja '67.
- KOTLAS (ARCHANGEL PROVINCE)—FACORIES—DESIGN AND CONSTRUCTION**
Construction of the second part of the combine is a big step. M. Saf'ian. Na stroi. Ros. 5 no. 1:19-20 Ja '64.
- KOTUR-TEPE OIL FIELD—FAULTS (GEOLOGY)**
Horizontal displacements along faults in Kotur-tepe field. A. A. Kur'min. Neftegaz. geol. i geofiz. no. 2:6-7 '67.
- KOTUY VALLEY—CARBONATITES**
New indications of primary-sedimentary origin of carbonatites of Gulkinsk intrusion. N. Z. Tyzhkova, L. N. Il'chenko. Dokl. AN SSSR 165 no. 6:1395-1397 D '65.
- KOUNRADSKY REGION (KAZAKHISTAN)—MINING ENGINEERING**
Simultaneous mining of contiguous steeply pitching veins with one breaking by the deep hole method. V. I. Kapul', N. I. Guguchkin. Gorn. zhur. 142 no. 3:27-28 Mr '67.
- KOZLOV, ALEKSEI NIKIFOROVICH**
An original artist. L. Bol'shakova. Iskustvo 30 no. 3: 46-49 '67.
- KOZLOV, VASILII NIKOLAEVICH, 1894?-1967**
V. N. Kozlov; obituary. Gidroliz. i lesokhim. prom. 20 no. 3:26 '67.
- KOZLOVSKII, ALEKSEI FEDOROVICH, 1905-**
Vyzzo, T. S. Aleksei Kozlovskii. Moskva, Muzyka, 1966. 150 p. (NIC)
- KRACHKOVSKII, IGNATI IULIANOVICH, 1883-1951**
I. Iu. Krachkovskii and his work in the Geographical Society. V. A. Krachkovskaya. Izv. Vses. geog. ob-va 99 no. 2:156-158 Mr-Ap '67.
- KRAMATORSK—MACHINERY INDUSTRY—ACCOUNTING**
Accounting and control in the Novo-Kramatorsk Plant. N. Ivanov. Bukh. uch. no. 1:42-15 Ja '67.
- KRASNODAR—FLOUR MILLS**
Reducing production costs and the economic incentive. N. Sh. Litov. Makh. i elek. prom. 33 no. 3:13-14 Mi '67.
- KRASNODAR TERRITORY—BORA**
Experimental study of turbulence during bora on Adler-Novosil'sk air route. A. A. Vasil'ev, A. I. Rishchukova. Trudy TSIP no. 157:91-100 '66.
- KRASNODAR TERRITORY—EDUCATION, RURAL**
On the road to authority. V. K. Shmorgun. Vech. sred. shkola 10 no. 2:38-10 Mi-Ap '67.
- KRASNODAR TERRITORY—EVENING AND CONTINUATION SCHOOLS**
On the road to authority. V. K. Shmorgun. Vech. sred. shkola 10 no. 2:38-40 Mi-Ap '67.
- KRASNODAR TERRITORY—LEAF RUST OF WHEAT**
Effect of supplementary mineral fertilizers on winter wheat on rust resistance. A. E. Chumakov, M. A. Bystraya. Trudy VIZR no. 13:30-56 '64.
Increase of wheat infection with leaf rust during ear formation. T. I. Fedotova. Trudy VIZR no. 13:11-21 '66.
Role of local infection foci of leaf rust and repeated infection of winter wheat. A. E. Chumakov. Trudy VIZR no. 13:28-10 '66.
- KRASNODAR TERRITORY—OIL WELL DRILLING—MANAGEMENT**
Experience in reorganizing management of drilling operations in "Krasnodarneftegaz" Combine. G. R. Musilachenko. Organ. i upr. nefteob. prom. no. 1:11-12 '66.
- KRASNODAR TERRITORY—OIL WELLS—TESTING**
Results of experimental exploitation of formation testers mounted on cables. P. N. Kopyevskiy and others. Mash. i elekt. no. 1:2-21 '67.
- KRASNODAR TERRITORY—PETROLEUM PRODUCTION—MANAGEMENT**
Present status of work on scientific labor organization in enterprises of "Krasnodarneftegaz" Combine. P. S. Matinkhov. Organ. i upr. nefteob. prom. no. 6:22-23 '66.
- KRASNODAR TERRITORY—RADIO IN AGRICULTURE**
For rural radio audiences. B. Vertkin. Sov. radio i tel. 9 no. 1:3 '60.
- KRASNODAR TERRITORY—ROSES**
Setting production norms in growing damask roses. L. F. Pavlenko. Shoi. rab. po masl. i ef. masl. kul't. no. 1:90-95 '66.
- KRASNODAR TERRITORY—SUNFLOWERS**
Effect of preceding crop on the moisture and nutritive conditions of soil under sunflowers. N. I. Agarkova. Shoi. rab. po masl. i ef. masl. kul't. no. 1:46-52 '66.
- KRASNODAR TERRITORY—TELEVISION BROADCASTING OF NEWS**
Correspondents not on the staff. A. Fedorov. Sov. radio i tel. 9 no. 3:22 '60.
- KRASNOKAMSK (PERM PROVINCE)—PETROLEUM REFINERIES**
In Krasnokamsk petroleum refinery. B. Vorob'ev and others. Nefteanal. 10 no. 2:12-13 F '65.
- KRASNOUFIMSK REGION (SVERDLOVSK PROVINCE)—STEPPE FLORA**
Not in range of steppe vegetation in the piedmont of Urals (within the Krasnoufimsk Steppe). P. L. Gorkhova. N. P. Romakina. Zap. Sverd. otd. VBO no. 4: 37-52 '66.
- KRASNOYARSK—INDUSTRIAL MANAGEMENT**
When the new was just born... N. G. Halova and others. Mol. komm. no. 2:74-79 '67.
- KRASNOYARSK—TEXTILE FIBERS, SYNTHETIC—FINANCE**
Going deep into economics. V. Dal'nichenko. Sov. profsoiuzy 23 no. 5:21-22 Mi '67.
- KRASNOYARSK RESERVOIR REGION—RUNOFF**
Methodology for long-range forecasting of Yenisey streamflow in gate of Krasnoyarsk Hydroelectric Power Station and inflow of water in Hydroslectric Power Station Reservoir in summer-autumn period. Sh. A. Khazhian. Trudy TSIP no. 148:90-128 '66.
- KRASNOYARSK TERRITORY—AUDITING AND INSPECTION**
Put all resources in the service of the five-year plan. B. Kim. Mat. i tekhn. snab. 2 no. 4:78-80 Ap '67.
- KRASNOYARSK TERRITORY—COAL MINES AND MINING**
Coal of central Siberia. G. S. Semikobyla. Ugol' 42 no. 4:11-15 Ap '67.

- KRASNOYARSK TERRITORY—IRON AND STEEL PLANTS**
New development in the early 1960s. I. P. Kellarsnik and others. *Stal* 27 no. 3:239 Mi '67.
- KRASNOYARSK TERRITORY—LUMBERMEN**
Changes in the quality of the forest in the enterprise of the Krasnoyarsk Territory. A. N. Pokhronov. *Stal* 27 no. 3:197-200 Mi '67.
- KRASNOYARSK TERRITORY—MILK—TRANSPORTATION**
Milk transportation in developed trucks. Z. Pogorelov. *Avi. transp.* 45 no. 4:26 Ap '67.
- KRASNOYARSK TERRITORY—ORTHOPTERA**
Characteristics of Orthoptera in the Krasnoyarsk Territory. I. V. Karmal. *Entomol.* 46 no. 1:127-132 '67.
- KRASNOYARSK TERRITORY—SLOPES (PHYSICAL GEOGRAPHY)**
Morphology of the principal relief forms in the Kansk-Aldinsk basin. G. M. Sergeev. *Izv. Vses. geog. obshch.* no. 2:148-151 Mi '67.
- KRASNOYARSK TERRITORY—TURPENTINING**
Turpentine Siberian pine in the south of Krasnoyarsk Territory. A. F. Chernov. *Otdrozh. lisosoln. prom.* 20 no. 3:30-31 '67.
- KRASNYYE BAKI DISTRICT—MOSESSES**
Iridiferous mosses of the subgenus Bryidae in the Biological Station no. 1 of the Gorki State Teachers College. V. D. Avdeyev, Z. V. Shina. *Uch. zap. GGU* no. 57:26-37 '66.
- KRESOL** see Cresol
- KRETOV, ALEKSANDR EFREMOVICH, 1892-1965**
A. E. Kretov, obituary. *Khm. tekhn.* no. 4:126 '66.
- KRETOVICH, VASILAV LEONOVICH, 1907-**
Vasilav Leonovich Kretovich, on his 50th birthday. *Biokhimiya* 32 no. 2:203-204 Mi '67.
- KRIVOY ROG—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT**
Potentialities of an increase in labor productivity. V. Ivoraki, E. Fedorov. *Avi. transp.* 45 no. 4:9 Ap '67.
- KRIVOY ROG BASIN—AMPHIBOLITE**
Using diabases and amphibolites of the Krivoy Rog Basin for stone casting. B. I. Pyrogov, V. V. Vagin. *Geol. zhur.* no. 6:57-74 '66.
- KRIVOY ROG BASIN—COAL PREPARATION PLANTS—MANAGEMENT**
The Krivoy Rog Central Coal Preparation Plant is operating with the new system of planning and economic incentives. I. A. S. Popov. *Ugol. Ukr.* 11 no. 1:19-20 Ja '67.
- KRIVOY ROG BASIN—DIABASE**
Using diabases and amphibolites of the Krivoy Rog Basin for stone casting. B. I. Pyrogov, V. V. Vagin. *Geol. zhur.* no. 6:57-74 '66.
- KRIVOY ROG BASIN—IRON MINES AND MINING**
Manifestation of rock pressure during the displacement of rocks and lowering of sloping levels in some Krivoy Rog mines. B. I. Shish, *Izv. vys. ucheb. zav. gor. zhur.* 10 no. 2:26-28 '67.
- KRIVOY ROG BASIN—IRON ORES**
Possibility of utilizing differences of isotopic composition of oxygen for ascertainment of genesis of high-grade iron ores of Krivoy Rog Basin. I. A. N. Belevtsev, I. P. Lugovaya, H. P. Mel'nik. *Dokl. AN SSSR* 173 no. 3:678-680 Mr '67.
- KRIVOY ROG BASIN—MINE DRAINAGE**
Regulating the drainage of ore deposits. G. F. Bykhovets. *Bezon. v. prom.* 10 no. 10:14-16 O '66.
- N—MINE DRAINAGE—EQUIPMENT**
Inflow into the shaft of Lenin Mine. V. S. Rimskii. *Gor. zhur.* 112 no. 3:—
- OXYGEN ISOTOPES**
Using differences of isotopic composition of oxygen for ascertainment of genesis of high-grade iron ores of Krivoy Rog Basin. I. A. N. Belevtsev, I. P. Lugovaya, H. P. Mel'nik. *Dokl. AN SSSR* 173 no. 3:678-680 Mr '67.
- EQUIPMENT AND**
Iron mixers at the mining and Ore Dressing. D. Chernyaev. *Gor.*
- KRUG, KARL ADOLFOVICH, 1873-1952**
Scientists and technologists. *Shkola i proizv.* 11 no. 3:78-79 Mr '67.
- KRUPSKAYA, NADEZHDA KONSTANTINOVNA, 1880-1939**
N. K. Krupskaya, the theoretician and organizer of the Pioneer movement in the U.S.S.R. H. O. Paperna. *Rad. shk.* 45 no. 4:13-15 Ap '67.
- KRYMOVA, NINA IL'INICHNA**
An inspired worker. A. Pogodin. *Sov. radio i tel.* 0 no. 3:7 '60.
- KRYPTON** see subdivision under Erivan
- KTOHOV, ANATOLII**
Anatoli Ktohov. Z. Vladimirova. *Teatr* 28 no. 3:46-56 Mi '67.
- KUBA DISTRICT—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL**
Chemical control of codling moth and leaf roller in No. 12 State Farm of Kuba District. L. M. Akhundova-Tuseva, R. A. Beibutov, E. P. Sidorovina. *Uch. zap. AGU Ser. biol. nauk* no. 4:35-44 '61.
- KUBAN—ROADS**
Kuban roads. E. Zyrin. *Avi. dor.* 30 no. 3:15 Mi '67.
- KUBAN—SUGAR BEETS—HARVESTING**
Center of sugar beets in 14 minutes. V. Svetlichnyi, *Igitor.* no. 1:22-25 Ja '62.
- KUCHIN, IVAN VASIL'EVICH, 1874-1942**
Ivan Vasil'evich Kuchin, organizer of fish culture in the Urals. N. D. Tironov. *Trudy Ural. otd. GosNIORKH* 6:221-227 '64.
- KUMA RIVER—HYDROBIOLOGY**
Biogenic and some pollution substances in water of Kuma and Podkumka Rivers determined in situ in summer of 1964. N. V. Veselovskii, V. I. Popova, S. V. Putintseva. *Gidrobiol. mat.* 42:151-165 '66.
- KUMAK VALLEY—PLANT COMMUNITIES**
Geological adaptation of plant communities in the western part of the Or'-Kumak Watershed (southern Urals). M. D. Skaliygina-Ufimtseva. *Uch. zap. LGU* no. 3:27-37-179 '67.
- KUPREVICH, VASILII PEOFILOVICH, 1897-**
Vasilii Pefilovich Kuprevich, his 70th birthday. N. A. Dorozhkin. *Vestn. AN BSSR. Ser. sel'k. hosp. nav.* no. 1:125-129 '67.
- KUPRIN, ALEKSANDR IVANOVICH, 1810-1938**
The language of the tale "Moloch" by A. I. Kuprin. V. Z. Koshelevskii. *Uch. zap. MGPI* 248:417-429.
- KURA LOWLAND—GEOLOGY, STRUCTURAL**
Structural nonconformities in Central Kura Lowland area. A. V. Mamedov. *Azerb. neft. khaz.* 46 no. 3:4-8 Mr '67.
- KURA RIVER—STURGEONS**
Standard weight of young sturgeons released from the Kura hatcheries. A. A. Makhmudbekov, R. A. Maltan. *Za tekhn. prog.* 7 no. 3:45-46 Mr '67.
- KURDIUMOV, GREGORI VACHESLAVOVICH, 1892-**
Our scientists and technologists. *Shkola i proizv.* 11 no. 1:74-77 Ja '67.
- KURDS** see subdivision under Iraq
- KURGAN PROVINCE—COLLECTIVE FARMS**
This is your accomplishment. M. Cherednichenko. *Agitator* no. 1:56-57 Ja '62.
- KURGAN PROVINCE—FISHES—FOOD**
Food resources in some lakes of Kurgan Province and its use by fishes. E. V. Shlikova. *Trudy Ural. otd. GosNIORKH* 6:161-170 '64.
- KURGAN PROVINCE—LAKES**
Chemism of some Kurgan lakes. T. L. Syachalina. *Trudy Ural. otd. GosNIORKH* 6:149-160 '64.
- KURGANOV, NIKOLAI GAVRILOVICH, 1725 or 6-1796**
On the problem of N. G. Kurganov's "Conversations." O. A. Khamytseva. *Uch. zap. MGPI* 248:45-60 '66.
- KURILE ISLANDS—BATHS, MOOR AND MUD**
Komissarenko, B. T. [Mineral springs and medicinal muds of Sakhalin and the Kuriles] *Mineral'nye istochniki i lechebnye griazi Sakhalina i Kuril. Iuzhno-Sakhalinsk. Sakhalinskoe knizhnoe izd-vo, 1964. 114 p. (DNLM)*
- KURILE ISLANDS—GEOLOGY, STRUCTURAL**
Characteristics of the subsurface structure of the Kurile-Kamchatka zone. P. S. Voltsman. *Izv. AN SSSR. Fiz. zem.* no. 9:13-30 '65.
- KURILE ISLANDS—MINERAL WATERS**
Komissarenko, B. T. [Mineral springs and medicinal muds of Sakhalin and the Kuriles] *Mineral'nye istochniki i lechebnye griazi Sakhalina i Kuril. Iuzhno-Sakhalinsk. Sakhalinskoe knizhnoe izd-vo, 1964. 114 p. (DNLM)*
- KURILE ISLANDS—ROCKS, IGNEOUS**
Alkali rocks of islands of Lesser Kurile Islands. Kazakova and others. *Dokl. AN SSSR* 173 no. 4:905 Ap '67.
- KURSK MAGNETIC ANOMALY—IRON ORE**
Experience in heat treatment of slates from area of Kursk Magnetic Anomaly. A. N. Pokhronov. *Stal* 27 no. 3:197-200 Mi '67.
- KURSK PROVINCE—BUCKWHEAT**
Effect of soil conditions and cultivation on the yield of buckwheat, its chemical composition and uptake of nutrients. V. N. Orlov. *Agri. i zh. v.* 60-67 Ap '67.
- KUSTANAY PROVINCE—FRUIT FLIES—EXTERMINATION**
Controlling Swedish fly. E. Matia. *Zem. i zh. v.* no. 4:41 Ap '67.
- KUSTANAY PROVINCE—GRAIN—TRANSPORTATION**
Increase the effectiveness of means for the transportation of unloading grain from trucks. A. I. Kovalev. *Muk. i elev. prom.* 31 no. 1:1-2 Ja '67.
- KUVARDIN, BORIS ANDREEVICH**
Boris Andreevich Kuvardin, a propagandist from Molotovsk. K. I. Kuvardin, *razkaz o molotovskikh propagandistakh* B. A. Kuvardine. [Perm.] Perm. gos. knizh. i zh. v. 1966. 65 p.
- KUYBYSHEV—FURNACES**
Auxiliary reactor for the pyrolysis furnace. I. A. Toman, V. G. Chernikina, A. I. Shkudova. *Izv. v. zh. v. topl. i mash.* 12 no. 4:37-40 Ap '67.
- KUYBYSHEV—STUDENT ACTIVITIES**
Rally of young efficiency promotion. V. M. Nor. ob. no. 4:60-69 Ap '67.
- KUYBYSHEV—TELEVISION PROGRAMS**
Demonstrate the traits of the new. A. A. Kuvardin. *radio i tel.* 0 no. 1:31 '60.
- KUYBYSHEV—TRADE UNIONS**
Kuybyshev "Monday." S. Naumov. *Sov. zh. v. zh. v.* 23 no. 4:34-35 F '67.
- KUYBYSHEV PROVINCE—AGRICULTURE—ASPECTS**
We must pay daily attention to the party. *zh. v. zh. v.* no. 7:46-49 Ap '67.
- KUYBYSHEV PROVINCE—GEOCHEMICAL PROBLEMS**
Effectiveness of direct geochemical methods for oil and gas in Volga Valley portion of Kuybyshev Province. M. I. Zaidonov, S. I. Vokhobov, S. I. Kopylov. *Neftegaz. geol. i geofiz.* no. 5:51-55 '66.
- KUYBYSHEV PROVINCE—INDUSTRIAL MANAGEMENT**
We must pay daily attention to the party. *zh. v. zh. v.* no. 7:46-49 Ap '67.
- KUYBYSHEV PROVINCE—OIL WELL COMPLETION**
Improving organization of production planning and technology of well testing in drilling office No. 1. Kuybyshevnefteazvedka" Trust. M. A. Naumova. *Org. i upr. nefteob. prom.* no. 5:10-12 '66.
- KUYBYSHEV PROVINCE—OIL WELL DRILLING DESIGN AND CONSTRUCTION**
Experience in introducing methods of standardizing into building of drilling rigs in "Kuybyshevnefteazvedka" Trust. M. A. Naumova and others. *Org. i upr. nefteob. prom.* no. 5:10-12 '66.
- KUYBYSHEV PROVINCE—PETROLEUM PROBLEMS—MANAGEMENT**
Improving organization of production planning and technology of well testing in drilling office No. 1. Kuybyshevnefteazvedka" Trust. M. A. Naumova. *Org. i upr. nefteob. prom.* no. 5:10-12 '66.
- KUYBYSHEV PROVINCE—PETROLEUM PROBLEMS—SCIENTIFIC LABOR ORGANIZATION**
Scientific labor organization in "Kuybyshevnefteazvedka" Trust. M. A. Naumova. *Org. i upr. nefteob. prom.* no. 5:10-12 '66.
- KUYBYSHEV PROVINCE—PETROLEUM PROBLEMS—WORK EXPERIENCE**
Work experience of normal research station in "Kuybyshevnefteazvedka" Trust. M. A. Naumova. *Org. i upr. nefteob. prom.* no. 5:10-12 '66.
- KUYBYSHEV PROVINCE—PETROLEUM PROBLEMS—PRODUCTION STANDARDS**
Experience in introducing methods of standardizing into building of drilling rigs in "Kuybyshevnefteazvedka" Trust. M. A. Naumova and others. *Org. i upr. nefteob. prom.* no. 5:10-12 '66.
- KUYBYSHEV PROVINCE—ROADSIDE IMPROVEMENT**
Traffic safety and aesthetics. G. Tulinsev. *Agri. i zh. v.* 30 no. 3:11 Mr '67.
- KUYBYSHEV PROVINCE—TRAFFIC SAFETY**
Traffic safety and aesthetics. G. Tulinsev. *Agri. i zh. v.* 30 no. 3:11 Mr '67.

KUYBYSHEV RESERVOIR REGION—WATER—ANALYSIS
Belikov, D. V. [A sanitary and biological study of the Isel, Chusovaya, and Volga Rivers in the zone of the Kuybyshev Reservoir.] Sanitaro-biologicheskoe issledovanie rek Isel, Chusovoi i Volgi v zone Kuybyshevskogo vodokhranilishcha [Kazan'] Izd-vo Kazanskogo univ., 1964, 312 p.
(CaOTU)

KUYBYSHEVO REGION (ROSTOV PROVINCE)—RADIO IN AGRICULTURE
"The collective farm radio center is speaking" G. Punda Sov. radio i tel. 9 no. 14 '60

KUZNETSK BASIN—COAL—PERMEABILITY
Processes of spontaneous motion of liquids in coal. N. P. Mironov Vop. bezop. v ugol' shakht. 7:172-177 '60.

KUZNETSK BASIN—COAL MINERS—DISEASES AND HYGIENE
Correspondence between friends. A. Shepelev, Sov. shakht. 16 no. 3:21 Mi '67.

KUZNETSK BASIN—COAL MINES AND MINING
Actual gaseousness of Kuznet'sk Basin coal mines, and results of the analysis of forecasts of gas conditions. K. A. L'vov, V. N. Petnev, Vop. bezop. v ugol' shakht. 7:67-83 '66.
The Kuznet'sk Basin lights its beacons. Georgii Maringin Otkhvat' 38 no. 6:156-163 Je '61.

KUZNETSK BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES
Analyzing methods of joining ends of rubberized-rope belis. R. I. Chernov, N. I. Makovcev Vop. bezop. v ugol' shakht. 7:250-265 '66.

KUZNETSK BASIN—COAL MINES AND MINING—FIRES AND FIRE PREVENTION
Notes on regulations on the detection of the first signs of spontaneous ignition of coal. P. I. Kokotkin, V. A. Molisev, L. L. L'vov, Bezop. truda v prom. 10 no. 10:8-9 O '66.

KUZNETSK BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY
Mine transformed by the Great October. D. T. Gorbachev Ugol' 42 no. 1:17-20 Ap '67.
Now look of the oldest coal mine of Kuznet'sk Basin. K. P. Voronov, Ugol' 42 no. 1:15-17 '65.

KUZNETSK BASIN—COAL MINES AND MINING—MANAGEMENT
An account is open for profits. N. Gavrilov, V. Ponezha, Sov. shakht. 16 no. 3:3 '67.

KUZNETSK BASIN—COAL MINES AND MINING—SAFETY MEASURES
Selecting a method and network for the ventilation of the hard-to-aerate No. 63 Coal Mine. N. P. Simonenko and others, Ugol' Ukr. 11 no. 3:41-42 Mi '67.

KUZNETSK BASIN—COAL MINING MACHINERY—MAINTENANCE AND REPAIR
Specialization in the repair of mining and construction equipment in Kuznet'sk Basin. A. Shkolenko, Trudy MNIPTMASH no. 1:103-112 '63.

KUZNETSK BASIN—COKE OVENS—DESIGN AND CONSTRUCTION
Investigating heat flow over the width of coking chambers. M. I. Bychev, V. G. Stutenstein, Koks i khim. no. 3:16-21 '67.

KUZNETSK BASIN—CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR
Specialization in the repair of mining and construction equipment in Kuznet'sk Basin. A. Shkolenko, Trudy MNIPTMASH no. 1:103-112 '63.

KUZNETSK BASIN—HYDRAULIC MINING
Controlling gas emanation during hydraulic mining of coal in the Kuznet'sk Basin. D. M. Tretyagin, G. P. Dubov, A. I. D'vachkov, Vop. bezop. v ugol' shakht. 7:83-91 '66.
Ventilation of hydraulically worked faces in Kuznet'sk Basin coal mines. G. G. Bogdanov, Vop. bezop. v ugol' shakht. 7:80-86 '66.

KUZNETSK BASIN—MACHINE MOLDING (FOUNDING)
Mechanization in Kuznet'sk Basin foundries. V. Bakashov and others, Trudy MNIPTMASH no. 1:28-42 '63.

KUZNETSK BASIN—MACHINERY INDUSTRY
Introducing the gas cyaniding process in Kuznet'sk Basin plants. A. Kats no. 1:80-82 '63.

KUZNETSK BASIN—MINE VENTILATION
Successive ventilation of slopes during mining of steeply pitching seams in Kuznet'sk Basin. G. G. Bogdanov, K. V. Khamatov, Vop. bezop. v ugol' shakht. 7:52-60 '66.

KUZNETSK BASIN—STEEL INDUSTRY
The Kuznet'sk Basin lights its beacons. Georgii Maringin, Otkhvat' 38 no. 6:156-163 Je '61.

KUZNETSK BASIN—STEEL INDUSTRY—MANAGEMENT
On Kuznet'sk metallurgists' changing over to the five-day workweek. I. I. Dornidov and others, Izv. SO AN SSSR no. 1:52-58 Ja '67.

KUZNETSK BASIN—STRIP MINING
Diesel-trolley locomotive transportation at the "Sibirinskii" Open-Pit Coal Mine in Kuznet'sk Basin. B. N. Lokhanov, K. KSIyrenko, A. B. Gurevich, Ugol' 42 no. 4:40-51 Ap '67.

KYZYL KUM—FORAMINIFERA, FOSSIL
Foraminifera of Cretaceous sediments of western Uzbekistan and Kyzyl Kum. N. D. Arapova, I. S. Suleimanov Nauch. trudy TashGU no. 273:121-127 '66.

KYZYL KUM—GEOLOGY, STRATIGRAPHIC
Upper Turonian substage of northwestern Kyzyl Kum. R. L. Nadyshin, E. M. Shvetsova, Nauch. trudy TashGU no. 273:128-130 '66.

KYZYL KUM—GOLD MINES AND MINING
Uzbekistan gold. Ekon. i zhizn' 9 no. 3:38-39 Mr '67.

KYZYL KUM—MAMMALS
Mammals of northern Kyzyl Kum. E. V. Rotshild and others, Mat. k. pozn. fauny i flory SSSR, Otd. zool. no. 41:85-174 '67.

KYZYL KUM—RICE
Thoughts and deeds of rice growers in the anniversary year. S. Taneev, Zvezda i masl. kul't. 2 no. 5:2-6 '67.

KYZYL KUM—STOCK AND STOCKBREEDING
Potentials for the increase of meat production. B. Bapayev, Nar. khoz. Kazakh. 18 no. 11:29-32 N '60.

LABOR (OBSTETRICS)
Reaction of rhythm assimilation in the cerebral cortex during the course of labor in human subjects. L. I. Lebedeva, Fiziol. zhur. 49 no. 10:1150-1154 O '63.

LABOR, COMPLICATED
Pregnancy and labor in altomogaly. L. V. Vantina, N. I. Soshkina, G. A. Shilova, Sov. med. 30 no. 3:125-129 Mr '67.

LABOR AND LABORING CLASSES
(see also subdivision under Africa; Asia; Azerbaijan; Bukhara Province; Burma, Morocco; Syria, Turkey, Ukraine)
Books on the workers' class. N. Petrova, Knizh. tovg. 16 no. 4:45 Ap '67.
The Great October Revolution and international solidarity of the working classes. G. Kuranov, Kommunist 44 no. 7:11-23 My '67.

Maslova, I. S. [Disengagement of the labor force in the U. S. S. R. industry and its efficient use] Vysvobozhdenie rabochego sily v promyshlennosti SSSR i ee ratsional'noe ispol'zovanie. [Moskva] Izd-vo Mosk. univ., 1967, 92 p.
May Day of the jubilee year. Otkhvat' i sots. strakh. 10 no. 5:1-3 My '67.

The new era in the history of the world and its moving forces. E. Zhukov, Mir, ekon. i mezhdunar. otn. no. 4:3-13 '67.

Sobolev, P. N. [Alliance between the laboring class and the peasantry during the October Revolution] Soluzh rabochego klassa i trudiashego krest'iansva v Oktabr'skoi revoliutsii. Moskva, Znanie, 1967, 31 p. (Novoe v zhizni, nauka, tekhnika. I Seriya: Istoriya, 5)
The Soviet laboring classes. P. Ignatovskii, Agitator, 35 no. 8:22-25 My '67.

Substance and typology of the concept of the "cultural level and technical qualifications of workers." Z. I. Fainbus, G. P. Korotova, V. M. Likhachev, Nauch. dokl. vys. shkoly, filos. nauki 10 no. 2:42-49 '67.
V. I. Lenin's struggle for the happiness of the working people. Bezop. truda v prom. 11 no. 4:1-3 Ap '67.

LABOR AND LABORING CLASSES—DWELLINGS see subdivision under Khabarovsk

LABOR AND LABORING CLASSES—STATISTICS
(see also subdivision under Novosibirsk)
[Labor statistics] Statistika truda. [Moskva] Profizdat, 1967, 215 p.

LABOR DISCIPLINE
(see also subdivision under Uzbekistan)
Climate of the enterprise and the worker's honor. I. Pavlov, Vlk. Polynin, Sov. profsoyuzy 23 no. 4:6-8 F '67.
Decisive word should belong to the collective. I. Belinskii, Sov. profsoyuzy 23 no. 5:13-14 Mr '67.

For the strictest observance of labor discipline and labor laws. Sots. zakon. no. 3:9-15 Mr '67.

Strengthen socialist labor discipline. Sov. profsoyuzy 23 no. 4:2-5 F '67.

This is how the respect for labor is implanted. M. Kardanov, Sov. profsoyuzy 23 no. 6:24-25 Mr '67.

LABOR LAWS AND LEGISLATION
(see also subdivision under Poland)
Compensation in transferring, accepting, and directing to work in other locality. M. Rumiantsova, Sov. profsoyuzy 23 no. 6:43-44 Mr '67.

First decree of the Soviet government on labor protection. Bezop. truda v prom. 11 no. 3:1-2 Mr '67.

First decrees on labor. G. Duvanov, E. Semenov, Otkhvat' i sots. strakh. 10 no. 5:12-13 My '67.

For the strictest observance of labor discipline and labor laws. Sots. zakon. no. 3:9-15 Mr '67.

Gorshenin, K. P. [Codification of labor law; theoretical problems] Kodifikatsiya zakonodatel'stva o trude; teoreticheskie voprosy. Moskva, Izdat. lit-ra, 1967, 223 p.

The lawyer replies to the readers. Sov. profsoyuzy 23 no. 6:16 Mi '67.

Lawyers reply to the readers. Sov. profsoyuzy 23 no. 6:46-47 Mr '67.

These rules should be amended. A. Zavgorodnenko, G. Leningrad. Sov. iust. 31 no. 7:25-26 Ap '67.

LABOR PRODUCTIVITY
Bardin, D. M. [Labor productivity and the efficiency of production] Proizvoditel'nost' truda i effektivnost' proizvodstva. Moskva, Znanie, 1967, 45 p. (Novoe v zhizni, nauka, tekhnika. III Seriya: Ekonomika, 9)
Increasing labor productivity is the path to abundance. R. Antonov, Nar. khoz. Uzb. 3 no. 1:78-82 Ja '61.
Increasing labor productivity is the way to abundance. T. Elkin, Nar. khoz. Kazakh. 18 no. 12:70-71 D '60.

Izhev, A. P. [The most important factors, labor productivity and the workers' rising standard of living] Samoe glavnoe, proizvoditel'nost' truda i pod'om blagosostoiyania trudnyashchikhsia. Tula, Priokskoe knizhnoe izd-vo, 1964, 77 p. (V pomoshch' izuchashchim voprosy razvorochnogo stavotelsva kommunizma) (CSI-II)
Material and technical prerequisites for increasing labor productivity. R. L. Zaitsev, Trudy VZEE no. 30:65-76 '66.
Striving for high labor productivity. Parizh. zhizn' no. 7:64 Ap '67.

LABOR REST HOMES
(see also subdivision under Lama Lake region)
Correspondence with readers. Agitator 34 no. 9:50 Ap '67.

The right to rest; facts and figures. Agitator 34 no. 8:15-17 Ap '67.

LABOR SERVICE see subdivision under Khabarovsk Province

LABOR SUPPLY see subdivision under Dzhambul Province; Siberia, Eastern

LABOR TURNOVER
(see also subdivision under Siberia, Eastern)
Causes of the mobility of the labor force in the enterprises of the Makiyev-Yeniseysk lumbering complex. I. M. Votnikov, Izv. SO AN SSSR no. 1:59-65 Ja '67.

LABYRINTH (EAR)
Effect of vestibular stimulation on the neuron activity of the visual cortex in cats. G. I. Gorgiladze, G. D. Smirnov, Zhur. vys. neiv. dent. 17 no. 2:345-352 Mi '67.

LACQUER AND LACQUERING
Technologic and economic effectiveness of the introduction of the blue KS-229 lacquer for the production of drawings. P. I. Dmitriev, Lokos. as. mat. i fiz. prom. no. 2:83-84 '67.

LACRIMAL ORGANS
Morphological changes in lacrimal gland of white rats as affected by mibufin. V. P. Sukhina, Dokl. AN SSSR 173 no. 4:935-937 Ap '67.

LACRIMAL ORGANS—SURGERY
Effect of the removal of lacrimal (extraorbital) glands on mineral metabolism in calcified tissues according to indices of Ca⁴⁵ incorporation. M. S. Bubakina, Pat. fiziol. i eksp. terap. 11 no. 2:68-70 Mr-Ap '67.

LACTATION
Effect of the chronic stimulation of the afferent nerves of the mammary gland in the goat on the secretion of milk and milk fat. G. B. Tverakol, Fiziol. zhur. 49 no. 10:1183-1196 O '63.

Electrical characteristics of the breast of women during the first days of lactation. M. G. Zaks, I. U. E. Moskalenko, Fiziol. zhur. 48 no. 7:850-856 Je '62.

Fedorovskii, A. A., and I. M. Starovoltov. [Treatment of lactation mastitis] Lechenie laktatsionnykh mastitov. Kiev, Zdorov'ia, 1967, 168 p. (Biblioteka prakticheskogo vracha) (ONLMA)

LACTIC ACID
Complex formation of Am, Cm, Cf, and Fm with lactic acid. V. A. Ermakov, I. Stary, Radiokhimiya 9 no. 2:107-201 '67.

LACTIC ACID BACTERIA
Antibiotic properties of Lactobacterium breve. IE. I. Kvasnyuk, V. I. Sudenko, Mikrobiol. zhur. 29 no. 2:146-149 Mr-Ap '67.

- LACTONES**
Lactones from Phellodendron schimulense bark. G.K. Nikonov, R.I. Varentsov, A.I. Shchukin. Trudy Bot. inst. Ser. 7 no. 12 79-81 '65.
- LADYBIRDS—PARASITES** see Parasites—Ladybirds
- LAFARGUE, PAUL, 1842-1901**
Goffenshefer, V. Ts. [History of Marxist literary criticism; Paul Lafargue and the struggle for realism] Iz istorii marksistskoi kritiki, Pol' Lafarg i bor'ba za realizm. Moskva, Sov. pisatel', 1967, 449 p.
- LAKES**
(see also subdivision under Kurgan Province)
[Typology of lakes, change in the regime of lakes of cultural landforms, typological characteristics of tundra lakes] Tipologiya ozer, izmeneniye rezhima ozer kul'turnykh landshaftov, tipologicheskiye kharakteristika tundrovyykh ozer. Moskva, Nauka, 1967, 172 p.
- LAMA LAKE REGION—LABOR REST HOMES**
Timables of the transpolar "Rifts." V. Ovchinnikov. Otkrytiya shakhi. 10 no. 5:36-37 My '67.
- LAMBS—DISEASES AND PESTS**
Dynamics of agglutination reaction and testing the safety for lambs of the experimental streptococcal vaccine from strain "Luis." R.A. Khabibullin. Vest. sel'skhoz. nauki [Kazakh.] 10 no. 3:70-73 Ju '67.
- LAMB POLYNOMIALS**
Formulae for calculating the first 53 functions of Lamb. V.F. Zhevechev. Zhur. vychisl. i mat. fiz. 7 no. 2:409-411 Mr.-Ap '67.
- LAMELLIBRANCHIATA**
(see also subdivision under Balkhash, Lake)
Characteristics of life cycle and growth of the freshwater mollusk Sphaerium cornutum (L.). A.F. Alimov. Zool. zhur. 16 no. 2:102-108 P '67.
Effect of some environmental factors on filtration ability in Sphaerium cornutum, (L.). A.F. Alimov. Gidrobiol. zhur. 3 no. 26-32 '67.
Filtration mechanism and feeding habits of Sphaeridae (Mollusca, Lamellibranchia). V.I. Mitropol'skiy. Trudy Inst. biol. vnutr. vod., no. 12:129-133 '66.
Observations on life cycle of Sphaerium cornutum L. (Mollusca, Lamellibranchia). V.I. Mitropol'skiy. Trudy Inst. biol. vnutr. vod., no. 12:125-128 '66.
- LAMINAR FLOW**
Flow of viscous media between parallel plates taking into account heat release from the medium. P.K. Shchupakov, A.M. Gutkin. Trudy Kal. inzh. inst. no. 10:171-176 '59.
- LAMINATED MATERIALS**
Problem of thermelasticity for a multilayer plate. A.F. Riabov. Prikl. mekh. 7 no. 1:16-23 Ap '67.
- LAMINATED METALS**
Experimental determination of internal stresses in two-layer sheet steel. N.P. Dabagyan, I.A. Selezneva. Izv. vyz. ucheb. zav., chem. met. 10 no. 1:100-104 '67.
Rolling of two-layer sheets for agricultural machine building. L.V. Meandro and others. Metallurg. 12 no. 3:31-32 Mi '67.
- LAMINATED METALS—TESTING**
Effect of fluxes and chemical composition of the base on the quality of bimetallic articles. V.V. Kazantsev, A.A. Gaisikov. Tekh. org. proizv. no. 2:90-101 Mi.-Ap '67.
- LAMINATED PLASTICS**
Determining mechanical characteristics of the DSP laminated plastics subjected to torsion. V.F. Shlenskii. Prikl. mekh. 3 no. 4:121-125 Ap '67.
- LAND**
Land as national property. Zemledelie. 20 no. 4:2-5 Ap '67.
Problem of the alienation of land. Zemledelie. 20 no. 4:56-57 Ap '67.
- LAND TENURE** see subdivision under Azerbaijan; Great Britain, Tajikistan
- LANDFORMS**
(see also subdivision under Polyudov Range)
Planation surfaces in area of Mesozoic formations in northeastern U.S.S.R. A.P. Valpeter, S.A. Lebedev. Biol. MOP, Otd. geol. 42 no. 1:89-93 Ja-F '67.
- LANDSCAPE ARCHITECTURE**
[Improvements of territories of industrial enterprises] Blahoustril'terytorii promyslovyykh pldpriemslv, Kyiv, Derzhbudystv URSR, 1960, 172 p.
- LANDSLIDES** see subdivision under Fukutyo
- LANGUAGE AND LANGUAGES**
[Soviet linguistics for 50 years] Sovetskoe lyzkoznanie za 50 let. Moskva, Nauka, 1967, 420 p.
- LANGUAGE AND LANGUAGES—BIBLIOGRAPHY** see Bibliography—Language and languages
- LANGUAGES, MODERN—STUDY AND TEACHING**
Imitative reproduction of linguistic material. IE.I. Reifson. Rad. shk. 15 no. 4:94-97 Ap '67.
- LANTERN FISHES**
(see also subdivision under Atlantic Ocean)
Feeding of primitive Photomycetophlum and Plectonura (Myctophidae, Pisces). I.A. Petaseva-Ostroumova. Trudy Inst. okean. 84:222-237 '67.
- LANTHANUM COMPOUNDS—SOLUBILITY**
Isotherm (25°C) of solubility and solid phases in the system $\text{La}_2(\text{P}_2\text{O}_7)_3 - \text{H}_2\text{P}_2\text{O}_7 - \text{H}_2\text{O}$. I.V. Tananaev, V.G. Kuznetsov, V.P. Vasil'eva. Izv. AN SSSR, Neorg. mat. 3 no. 1:107-113 Ja '67.
- LAPTEV SEA—ICE**
Changes of ice conditions of Laptev Sea in connection with variations of pressure field in the Arctic. V.F. Zakharov. Trudy ANNI 257:57-72 '67.
- LAPTEV SEA—MARINE SEDIMENTS—ANALYSIS**
Gravimetric and mineral composition of suspensions of Laptev Sea. N.A. Belov. Trudy ANNI 278:142-146 '67.
- LAPTEV SEA—METEOROLOGY, MARITIME**
Effect of the Atlantic waters on the formation of the characteristics of hydrometeorological processes in winter as exemplified by the Kara and Laptev Seas. A.O. Spal'phol. Izv. Vses. geog. ob.-va. 99 no. 2:111-121 Mi.-Ap '67.
- LARCENY**
Little discrepancy. V. Chikui. Sots. zakon. no. 4:67-69 Ap '67.
- LARCH** see subdivision under Ural Mountain region; Ural Mountains
- LARCH—GENETIC RESEARCH** see subdivision under Ural Mountains
- LARVAE—AMPHIBIANS**
Study of cocoon development in larvae of tailless amphibians. N.V. Dabagyan, I.I. Khomenko, V.V. Popov. Nauch. dokl. vyz. shkoly. biol. nauki 10 no. 3:23-29 '67.
- LARVAE—FISHES**
Larvae of primitive Photomycetophlum and Plectonura (Myctophidae, Pisces). I.A. Petaseva-Ostroumova. Trudy Inst. okean. 84:222-237 '67.
- LARVAE—INSECTS**
Glands of cradfly larvae. Report No. 1 Silk glands. S.N. Zaitchukina. Trudy Inst. biol. vnutr. vod., no. 12:297-303 '66.
Intestine and salivary gland structures in larvae of Cimonomidae (Diptera). T.N. Kurazhskovskaya. Trudy Inst. biol. vnutr. vod., no. 12:286-296 '66.
Larva of Odontotessa fulva Kleif. (Diptera, Chironomidae—Ochroteladinae). A.I. Shilova. Trudy Inst. biol. vnutr. vod., no. 12:239-250 '66.
Materials on biology and taxonomy of water mites (Hidrachellae). Report No. 6 Larvae of Limnesia and Hydrachna. H.A. Vainshteyn. Trudy Inst. biol. vnutr. vod., no. 12:192-198 '66.
- LARVAE—WORMS**
Helminth larvae of terrestrial mollusks in southern Altai. V.IA. Panin. Trudy Inst. zool. AN Kazakh SSR. 27:5-21 My '67.
- LARYNGEAL NERVE**
Effect of recurrent laryngeal nerve on respiration. V.K. Ustinova. Trudy Oren. old. Vses. fiziol. ob.-va. no. 3:174-179 '64.
Effect of the upper laryngeal nerve on respiration. A.N. Alekseeva, S.P. Pokladin, Z.A. Tamarov. Trudy Oren. old. Vses. fiziol. ob.-va. no. 3:5-10 '64.
- LARYNX—ABNORMALITIES AND DEFORMITIES**
Difficult elimination of the cannula in children with cicatricial stenosis of the larynx. L.A. Zaritskii. Zhur. ugh., nos. i gorl. bol. 20 no. 2:25-29 Mr.-Ap '60.
- LARYNX—CANCER**
Late results of Chaot gamma therapy in malignant tumors of the larynx. D.V. Astrakhan. Med. rad. 12 no. 1:21-30 Ap '67.
- LARYNX—EXPLORATION**
Using rubber padding to prevent dislocation and breaking of teeth during direct laryngoscopy. N.N. Roldin. Zhur. ugh., nos. i gorl. bol. 20 no. 2:87 Mr.-Ap '60.
- LARYNX—TUMORS**
Sulfhydryl groups of the laryngeal epithelium in hyperplastic and tumorous processes. I.A. Kazantseva. Vop. onk. 13 no. 4:60-68 '67.
- LASERS**
Calculating the power supply scheme for pulsed lamps used for the pumping of solid lasers. E.A. Korolov, L.D. Kuzov. Zhur. prikl. spekt. 6 no. 4:467-470 Ap '67.
- Calculating the utilization factor of pumping power and efficiency of a ruby laser. D.I. Stetspanov, P.K.R.L. vsh. Zhur. prikl. spekt. 6 no. 4:459-466 Ap '67.
Concentration of current carriers in a semiconductor illuminated by a laser. L.M. Blinov, V.S. Vasil', G.N. Galkin. Fiz. i ver. tel. 9 no. 3:854-859 Mr '67.
Dependence of radiation power on $\alpha = 6328$ Å of a ruby laser on its parameters. A.A. Kuznetsov, and others. Radiotekh. i elektron. 12 no. 4:733-735 '67.
Discrimination of axial modes in a laser with a fiber shutter. V.I. Malyshev, A.S. Morfin. Zhur. prikl. spekt. 6 no. 4:171-177 Ap '67.
Effect of the defects of ruby crystals on the characteristics of the radiation of an optical quantum generator. E.A. Korolov, V.A. Bondar'chuk, N.P. Tikhonov. Opt. mekh. prom. 31 no. 3:9-12 Mi '67.
Effect of the laser light ray on plexiglas. A.I. Mikhlin, L.I. Mikhlin, N.F. Filipevskii. PMTP no. 6:14-15 N-D '66.
Effects of excitation nonuniformity of semiconductor lasers with electron beam pumping. O.V. Bogdanov, and others. Fiz. i tekhn. poluprov. 1 no. 3:7-14 Ja '67.
Experimental study of the relation between electron density in a laser plasma and the output power of an optical laser. A.L. Gotsdiner, S.A. Fedukhov. Zhur. tekhn. fiz. 37 no. 3:566-571 Mr '67.
Formation of a long spark in the air induced by a focused laser radiation. N.G. Basov and others. AN SSSR. 173 no. 3:538-541 Mr '67.
Holography with a direct reference beam. A.P. Morozov, M.V. Stabnikov, B.G. Tmukhano. Dokl. AN SSSR. 173 no. 5:1039-1041 Ap '67.
Laser operating on negative ions. B.M. Sushakov. AN SSSR. 173 no. 2:316-319 Mr '67.
Lifetime of $3p^2$ level and the transition probability of $3p^2 - 2p^4$ of neon. L.V. Vashenko, V.P. Chibrikova. Zhur. prikl. spekt. 6 no. 1:536-538 Ap '67.
Measuring the temperature of ruby rods of a laser doped with the changes of the double refraction. A.I. Vedita, A.M. Leontovich. Zhur. tekhn. fiz. 37 no. 4:942-946 My '67.
Mechanism of generation of laser radiation in $\text{CdSe}_x\text{S}_{1-x}$ crystals in the case of two-photon excitation. M.S. Baidin and others. Fiz. i tekhn. poluprov. 1 no. 4:566-569 Ap '67.
- Monomolecularities of impurity distribution in laser-doped gallium arsenide. G.P. Pashko, V.I. Shvach. Fiz. i tekhn. poluprov. 1 no. 1:514-518 Ap '67.
Modes and kinetics of generation in a ruby laser with inclined plates as a discriminator. M.D. Galinin and others. Zhur. prikl. spekt. 6 no. 4:151-154 Ap '67.
Modulation of the radiation from a semiconductor laser heating the current carriers. N.G. Basov, B.M. Popov, A.V. Uspevskii. Dokl. AN SSSR. 173 no. 3:1039 Ap '67.
Nature of stimulated emission of gallium antimonide injection lasers. I.A. E. Pokrovskii, K.I. Svislitskaya. Fiz. i tekhn. poluprov. 1 no. 1:149-150 Ja '67.
Nonsteady processes in the amplification of a light pulse. V.G. Savelyev. Radiotekh. i elektron. 12 no. 3:361-363 P '67.
Observation of periodic variations of types of oscillations in an He-Ne laser. G.A. Gol'dshtein and others. Soob. AN Gruz. SSR. 45 no. 2:337-339 P '67.
Operation of lasers with a Q-factor of the resonator depending on the intensity of the radiation field. V.A. Morozov, A.N. Orlovskii. Zhur. tekhn. fiz. 37 no. 5:947-952 My '67.
Optical locating devices on laser beams. A.I. Kono, Vest. prosvozhd. obor. no. 3:82-85 Mi '67.
Possibility of increasing the Q-factor of the resonator in a neodymium laser. O.N. Voronko and others. Dokl. AN SSSR. 173 no. 3:542-543 Mi '67.
Possibility of obtaining induced emission under conditions of reabsorption in triplet-triplet transitions. I.U. V. Nobolkin, L.A. Ogutsova, I.D. Fil'. Zhur. prikl. spekt. 6 no. 4:538-540 Ap '67.
Spectroscopic study of the laser spark. Part 2: Ultrafast time resolution. I.I. Komissarova, G.V. Ostrovskaya, T.IA. Chelidze. Zhur. prikl. spekt. 6 no. 4:557-559 Ap '67.
Spectrum of two-photon absorption in CdS near the edge of fundamental absorption. V.K. Komukhov, I.A. Kulevskii, A.M. Prokhorov. Dokl. AN SSSR. 173 no. 5:1048-1051 Ap '67.
Studying Rowland's ghosts by means of lasers. A.A. Kaminskii, L.S. Kornilenko, L.V. Makarenko. Zhur. prikl. spekt. 6 no. 4:542-544 Ap '67.
Studying the mechanism of optical disintegration of lithium fluoride single crystals. N.V. Volkova and others. Fiz. i ver. tel. 9 no. 3:778-783 Mr '67.
Suppression of some modes in ruby laser emission. V.R. Berezovskii and others. Soob. AN Gruz. SSR. 45 no. 2:333-336 P '67.
Theory of laser radiation on band-band transitions in an extrinsic semiconductor in the case of nonconservation of quasi momentum. V.L. Vinetskiy, V.S. Mashevich, G.IU. Burakovskii. Fiz. i tekhn. poluprov. 1 no. 1:51-61 Ja '67.
Theory of laser radiation on indirect transitions with the participation of current carriers. V.S. Mashevich. Fiz. i tekhn. poluprov. 1 no. 1:63-71 Ja '67.

- LASERS (Continued)**
Theory of the Zeeman effect in gas lasers. N.N. Rozánov, V. V. Tulub. Dokl. AN SSSR 165 no. 6 1280-1283 D '65
Traveling-wave laser based on Nd³⁺-doped glass. A.M. Bouch-Binevich and others. Zhur. prikl. spekt. 6 no. 4, 540-542 Ap '67.
Using a laser for measuring the lifetime of nonequilibrium carriers in gallium arsenide single crystals. A. V. Dudenkova, V.V. Nikitin. Fiz. tver. tela 9 no. 3 851-853 Mr '67.
- LATEX**
Carboxylic film-producing latex from the copolymer of vinyl acetate and methylacrylate. V.I. Eliseeva and others. Lakokras. mat. i khim. prom. no. 2 10-22 '67
- LATEX, EFFECT OF TEMPERATURE ON**
Study of the plasticization of A polymer of chloroprene latex L-7 to increase the frost resistance of latex products. R. L. Volichenko and others. Khim. i tekhn. 26 no. 4 15-17 '67
- LATHES**
Analyzing the use of facing lathes. L.N. Solov'ev. Stan. i Inst. 38 no. 3, 41-13 Mr '67.
Efficiency of constant speed cutting. N. A. Lanceli. Avtomat. protv. prots. v mashinost. i prib. no. 4 14-22 '66.
Plastic shifts of the links of a lathe carriage in metal cutting. V. V. Zelenkov. Stan. i Inst. 38 no. 4 31-33 Ap '67
Lathe-type machine tools. I. N. Grachev. Stan. i Inst. 38 no. 5 3-5 My '67
- LATHES—ELECTRIC DRIVING**
Electric drive for the main movement of heavy lathes. G. I. Andreev, B. I. Dubinov, M. T. Granin. Stan. i Inst. 38 no. 3, 3-6 Mr '67.
- LATHES—NUMERICAL CONTROL**
Increasing the precision of machining on semiautomatic hydrocopying lathes. V. V. Ivanov, E. V. Shmalkov. Tekhn. org. protv. no. 2, 71-72 M-Ap '67.
Investigating control devices with a hydraulic transmission mechanism. B. N. Ivanov. Izv. vuz. uch. i nauch. mashinost. no. 1 171-175 '67
- LATIN AMERICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES**
Vicious circle of the United States policy in Latin America. M. Grechev. Mir, ekon. i mezhdunar. otn. no. 4, 54-55 '67
- LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES**
Arms and politics in Latin America. A. Shul'govskii. Mezhdunar. zhizn' 14 no. 5 30-47 '67.
A boiling continent. V. Andrianov. Agitator no. 1:50-51 Ja '62.
- LATIN AMERICA—INVESTMENTS, JAPANESE**
Expansion of Japanese monopolies in Latin America. S. Ignatyevichenko. Mezhdunar. zhizn' 14 no. 5 118-120 '67.
- LATIN AMERICA—POLITICS**
Arms and politics in Latin America. A. Shul'govskii. Mezhdunar. zhizn' 14 no. 5 30-47 '67.
The plot thickens in Latin America. Juan Cobo. Nov. i tem. 23 no. 23 19 Je '67.
- LATIN AMERICA—POPULATION**
Some structural and geographical features of the population of Latin America. I. A. G. Maslitsa. Vop. geog. no. 71:130-155 '66.
- LATITUDE VARIATION**
Law of distribution of errors in observations of latitude variations. M. I. Panchenko, V. O. Smirnov. Dop. AN URSSR no. 1:12-15 '61.
- LATVIA—AGRICULTURE**
[Advice to the farmer] Padomi zemkopim. Riga, Zvaigz. no. 1966, 116 p. [In Latvian]
(DNAL)
- LATVIA—CONSTITUTION**
Latvian S.S.R. Constitution. [Constitution (fundamental law) of the Latvian Socialist Republic. With amendments and supplements adopted by the 11th session of the 8th Supreme Soviet of the Latvian S.S.R.] Latvijas Padomju Sociālistiskās Republikas konstitūcija (pamatlukums). Ar grozījumiem un papildinājumiem, ko Latvijas PSR Augstākā Padome pieņēmusi sestā sasaukuma XI sesijā. Riga, Liesma, 1967. 26 p. [In Latvian]
- LATVIA—ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT**
Koval'skii, A. M., and A. E. Porel'man. [Method of using mathematical economics methods and electronic computers in the automated system of continuous operation planning and management of production] Metodika primenenia ekonomiko-matematicheskikh metodov i EVM v avtomatizirovannoi sisteme nepreryvnogo operativnogo planirovaniia i upravleniia proizvodstvom. Moskva, Ekonomika, 1967. 118 p.
- LATVIA—EVENING AND CONTINUATION SCHOOLS**
The Latvian S.S.R. P. L. Pazich. Sred. spets. obr. 13 no. 10 9-12 O '66.
- LATVIA—INDUSTRIAL MANAGEMENT**
Ratios upon which depends the future. V. Blum. Sov. ekonomika 23 no. 6, 7-9 Mr '67.
- LATVIA—INDUSTRIES**
Industrial Latvia. A. Voss. Agitator 35 no. 9 10-15 My '67
- LATVIA—OFFICIALS AND EMPLOYEES**
They work and study. I. Verslov. Mat., tekhn. snab. 2 no. 4:82 Ap '67.
- LATVIA—VOCATIONAL EDUCATION**
The Latvian S.S.R. P. L. Pazich. Sred. spets. obr. 13 no. 10 9-12 O '66
- LATVIA—WOOD PRODUCTS**
Krukovskii, E. L., and L. A. Fedorova. [Use of wood plastics at the enterprises of the Latvian S.S.R.] Opyt primenenia drevesnykh plastikov na predpriyatiakh Latvyskoi SSR. Riga, 1966. 10 p. [Listok tekhnicheskoi informatsii. Drevovobrabatyvushchaya i bumazhnaya promyshlennost', no. 2]
- LATVIAN LANGUAGE—FOREIGN WORDS AND PHRASES**
[Spelling and pronunciation of foreign names in the Latvian literary language] Noradijumi par citvārdu ipasvārdu pareizrakstību un paizrunu latvisku literāraja valoda. Riga, Zinatne. [In Latvian]
No. 11. Grabis, R., and T. Portle, comps. [Russian proper names] Krievu valodas ipasvardi. 1968. 270 p.
- LAUNCHES**
Vinov, P. V., and L. G. Shneider. [Handbook for the commander of a launch (captain of a small vessel)] Spravochnik starabin valodai (kapitana malogo sudna). Moskva, Voenizdat, 1967. 336 p.
- LAUREL**
Dynamics and characteristics of the growth of the root system of young laurel in various soil types. D. A. Vardukadze. Subtrop. kul't. no. 4:95-106 '66.
Physiological and biological characteristics of the laurel leaves of various ages. P. G. Tavadze, N. A. Gugunava. Subtrop. kul't. no. 4:107-111 '66.
- LAUREL—DRYING**
Drying laurel leaves with infrared rays. P. L. Giginel'svili, M. D. Lasareishvili. Subtrop. kul't. no. 4:95-97 '66.
- LAUREL—FROST RESISTANCE**
Effect of the methods of harvesting on the viability and winter hardiness of laurel. S. Kh. Chkhalidze. Subtrop. kul't. no. 1 85-94 '66.
- LAUREL—HARVESTING**
Effect of the methods of harvesting on the viability and winter hardiness of laurel. D. Kh. Chkhalidze. Subtrop. kul't. no. 4:95-94 '66.
- LAURIC ACID**
Monocyclic compounds. Part B: New synthesis of dodecic (lauric) acid. A. D. Tiobogonov and others. Zhur. org. khim. 3 no. 4:653-657 Ap '67.
- LAW—BIBLIOGRAPHY** see Bibliography—Law
- LAW—CASES**
(see also subdivision under Ukraine)
[Bulletin of the Supreme Court of the R. S. F. S. R.] Buil. Verkh. Suda RSTR nos. 3-4 '67.
How public prosecutors supervise the observance of laws. Sois. zakon. no. 3:84-89 Mr '67.
How public prosecutors supervise the observance of laws. Sois. zakon. no. 1:80-85 Ap '67.
- LAW—PERIODICALS**
Day of the Soviet Press. Rad. pravo no. 1:13-15 Ap '67.
Meetings with our readers in Leningrad and Kharkov. Sois. zakon. no. 3:93 Mr '67.
- LAW—PHILOSOPHY**
Socialist law and order and their ill-starred "critics." O. Ivanenko. Sov. iust. 31 no. 9:2-1 Ap '67.
- LAW—STUDY AND TEACHING** see subdivision under Kabardin-Balkar A.S.S.R.
- LAW AND ETHICS**
Moral problems in administrative and judicial practice. E. I. Aleeva. Sov. gos. i pravo no. 5 20-27 My '67.
- LAW REPORTING**
Priority of law. N. Pritenkov. Zhurnalst no. 3:43-45 Mr '67.
- LEACHING**
(see also subdivision under Golodnaya Steppe)
Leaching aggressiveness of river waters of Soviet Union. O. A. Atokin and others. Gidrokhim. mat. 42:56-64 '66.
- LEAD**
Transportation of lead in vapors of silicate melt. L. N. Khetchikova, S. A. Smirnova, I. N. Anikin. Dokl. AN SSSR 173 no. 4:920-930 Ap '67.
- LEAD—CORROSION**
Corrosion resistance of variable purity lead in the anodic polarization in sulfuric acid solutions and zinc current efficiency. V. I. Bityutseva and others. Trudy Inst. khim. nauk AN Kazakh SSR 15 32-36 '67.
- LEAD—METALLURGY**
Results of enlarged laboratory tests on the vacuum treatment of matte in lead plants. V. N. Nosterov and others. Trudy Inst. met. i obog. AN Kazakh SSR 10:34-40 '66.
Thermodynamics of the system lead - slag - oxygen. A. N. Kviatkovskii and others. Trudy Inst. met. i obog. AN Kazakh SSR 10:88-94 '66.
- LEAD ALLOYS—CORROSION**
Corrosion-resistant lead alloys with tin, antimony, and bismuth in anodic polarization in sulfuric acid solutions. L. A. Tsikhe, I. U. D. Dunaev, G. Z. Kirilakov. Trudy Inst. khim. nauk AN Kazakh SSR 15:21-31 '67.
- LEAD-BISMUTH ALLOYS**
Phase diagram of the lead - bismuth system. M. F. Nosenko, G. V. Ian-Sho-Sion, N. M. Semibratova. Trudy Inst. khim. nauk AN Kazakh SSR 15:150-157 '67.
- LEAD BROMIDE**
Some properties of the systems consisting of bromides of lithium, potassium, and lead. A. G. Beigman, I. U. I. Andriushchenko. Zhur. neorg. khim. 12 no. 1 1025-1030 Ap '67
- LEAD-CALCIUM ALLOYS**
Investigating conditions for the electrolytic production of lead-calcium-potassium and lead-calcium-sodium alloys. S. A. Zaretskii, V. B. Buzs-Mechukov, A. F. Alabyshv. Zhur. prikl. khim. 34 no. 4:856-860 Ap '61.
- LEAD CHROMATES**
Dispersion method for the production of orange chromo yellow. V. V. Vorkholanov. Lakokras. mat. i khim. prom. no. 2:1-6 '67
- LEAD INDUSTRY—EQUIPMENT AND SUPPLIES** see subdivision under Leningorsk
- LEAD-MERCURY ALLOYS**
Phase diagram of lead - mercury system. G. V. Ian-Sho-Sion and others. Trudy Inst. khim. nauk AN Kazakh SSR 15 130-139 '67.
- LEAD ORES** see subdivision under Akashan Valley; Ural Mountains
- LEAD OXIDES**
Chemical mechanism of interaction of lead oxide with some chlorinating reagents. E. I. Ivashchenko, V. I. Ivantsova, A. N. Ketov. Zhur. neorg. khim. 12 no. 1: 864-866 Ap '67.
Thermographic investigation of the system PbO - PbTeO₃. O. I. Tananaeva, A. V. Novoselova. Izv. AN SSSR. Neorg. mat. 3 no. 1:100-101 Ja '67.
- LEAD PLATING**
Processes of discharge-ionization of lead in ethylenediamine electrolytes on an amalgam lead electrode. L. P. Kozin and others. Trudy Inst. khim. nauk AN Kazakh SSR 15:131-135 '67.
- LEAD SALTS**
Interaction and linkage between pyridylazo compounds, lead and bismuth cations. S. I. Gusev, I. A. Kozhevnikova, L. M. Shurova. Zhur. neorg. khim. 12 no. 3:617-619 Mr '67.
- LEAD SELENIDES—PHOTOELECTRIC PROPERTIES**
Effect of high pressure on the spectral distribution of photoconductivity in PbS and PbSe layers. B. V. Izvozchikov, I. A. Taksami. Fiz. i tekhn. poluprov. 1 no. 1 152-154 Ja '67.
- LEAD SULFIDE CRYSTALS**
Recombination processes in single crystals of lead sulfide group compounds. N. S. Baryshev, K. I. A. Shtivel'man. Fiz. i poluprov. 1 no. 2:172-171 F '67.
- LEAD SULFIDES—PHOTOELECTRIC PROPERTIES**
Effect of high pressure on the spectral distribution of photoconductivity in PbS and PbSe layers. B. V. Izvozchikov, I. A. Taksami. Fiz. i tekhn. poluprov. 1 no. 1 152-154 Ja '67.
- LEAD TELLURATES—THERMAL PROPERTIES**
Thermal stability of lead tellurite and tellurate. O. I. Tananaeva, A. V. Novoselova. Izv. AN SSSR. Neorg. mat. 3 no. 1:114-118 Ja '67.

- LEAD TELLURIDES—THEMoeLECTRIC PROPERTIES**
Lorentz number in n-PbTe and PbTe - PbSe solid solutions, IU 1 Ravich, I. A. Smirnov, V. V. Tikhonov, Fiz. i tekhn. poluprov. 1 no 2 206-210 F '67
- LEAD TELLURIDES, EFFECT OF TEMPERATURE ON**
Band structure of lead telluride from the Hall effect measurements at high temperatures, I. V. Indeev, V. N. Radionov, Fiz. i tekhn. poluprov. 1 no 2 183-187 F '67
- LEAF BEETLES**
(see also subdivision under Soviet Central Asia)
Larvae of leaf beetles of the subfamilies Eumolpinae and Synetae betulae L. (Coloptera, Chrysomelidae) G. F. Kurcheva, Ent. obozr. 46 no 1 222-223 '67
- LEAF MINERS—EXTERMINATION**
Facies in controlling spinach leaf miner, Zashch. rast. 12 no 4 55-56 '67
- LEAF ROLLERS** see subdivision under Georgia
- LEAF ROLLERS—EXTERMINATION**
Use of systemic preparations for controlling the spruce leaf roller Laspius carya pectolana, V. S. Balobeshko, Khim. v sel' khoz. 5 no 4 21-22 Ap '67
- LEAF RUST OF WHEAT**
(see also subdivision under Krasnodar Territory)
Activity of enzyme ascorbinase in wheat leaves infected with leaf rust G. N. Egorova, Trudy VIZR no 13 193-195 '58
Characteristics of distribution of leaf rust of wheat on plant, I. A. Shifman, M. Yu. Stapanova, Trudy VIZR no 13 177-184 '58
Chemical immunization of plants as means for controlling leaf rust of wheat, I. M. Poliakov, Trudy VIZR no 13 196-211 '58
Effect of leaf rust on metabolism of wheat, V. P. Nilova, N. G. Stepanova, Trudy VIZR no 13 185-192 '58
Effect of phosphobacterin on development of leaf rusts of wheat and increase of yield of winter wheat grain M. A. Bystrova, Trudy VIZR no 13 68-70 '58
Effect of variety and weather conditions on development of leaf rust of spring wheat, K. M. Stepanov, Trudy VIZR no 13 105-116 '58
Forecasting leaf rust of winter wheat, K. M. Stepanov, Trudy VIZR no 13 85-96 '58
Interrelation between pathogens of leaf rust and winter wheat plants, G. A. Kozlyeva, Trudy VIZR no 13 22-27 '58
Interrelation between pathogens of leaf rust and winter wheat plants under various conditions of soil moisture, V. A. Topolovskii, Trudy VIZR no 13 41-49 '58
Role of foliar potassium feeding in protecting wheat from leaf rust, E. F. Kravtseva, Trudy VIZR no 13 62-63 '58
Role of nutrition of winter wheat plants on development of leaf rust, G. N. Egorova, Trudy VIZR no 13 57-61 '58
- LEASES**
Changing the stipulations of leases as a result of the reconstruction and remodeling of apartments, D. Vatman, Sois. zakon, no. 1 36-40 Ap '67
Termination of leases after moving from dwelling quarters, D. P. Vatman, Sov. gos. i pravo no. 5 146-149 My '67
- LEAST SQUARES**
Method for plotting structural maps with evaluation of accuracy, L. B. Dvorkin, Nauch.-tekhn. sb. po dob. nefli no 30 11-17 '66
Using method of least squares for determining dilution of crude petroleum products, G. G. Akasova, I. F. Radchenko, Neft i gaz prom. no 2 46-47 Mr.-Ap '67
- LEATHER**
Effect of preliminary processes on the degree of leather improvement, Report No. 1, B. M. Dushin, Nauch.-issl. trudy UkrNIIPK no. 15 161-177 '65
Processing of leather for shoe uppers glued to the lowers without roughing the edge, Report No. 1, I. A. Ben' and others, Nauch.-issl. trudy UkrNIIPK no. 15 29-30 '65
- LEATHER—DRYING**
Designing a unit for the drying of Russian leathers in a glued-on state, M. A. Braginskii and others, Nauch.-issl. trudy UkrNIIPK no. 15 40-48 '65
- LEATHER—MEASUREMENT**
Designing of a contactless machine with an automatic stamping device for measuring the surface area of stiff leathers, M. G. Braginskii and others, Nauch.-issl. trudy UkrNIIPK no. 15 49-59 '65
- LEATHER, ARTIFICIAL—TESTING**
Strength and deformation of the artificial leather made from cotton and capron, E. S. Umanskii, L. I. Rusakovich, Nauch.-issl. trudy UkrNIIPK no. 15 71-83 '65
- LEATHER INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Recent developments in the leather technology abroad, A. V. Ponomareva, D. Rumenna, Lekh. prom. 8 no 2 58-60 Mr.-Ap '67
- LEAVES**
Anatomical-morphological structure of woody plant leaves in relation to their gas resistance, V. S. Nikolaevskii, Zap. Sverd. otd. VBO no. 4 115-120 '66
Dynamics of nitrogen-containing substances in growing and aging corn coleoptiles, E. E. Khavt'in, E. V. Tokarova, N. N. Varakina, Dokl. AN SSSR 173 no. 3 711-714 Mr '67
Effect of cobalt on characteristics, water-storing capacity and transpiration of potato leaves, I. V. Goid'ko, Nauch. dokl. vys. shkoly, biol. nauki 10 no. 3 84-87 '67
Metamorphic variation of the morphological and anatomical structure of leaves in hybrid alfalfa, E. I. Il'ina, Zap. Sverd. otd. VBO no. 4 137-143 '66
Physiological and biological characteristics of the laurel leaves of various ages, P. G. Tavadze, N. A. Gugunava, Subtrop. kul't. no. 4 107-111 '66
Water-storing capacity of leaves in relation to structural characteristics of leaf mesophyll, L. V. Fomin, Uch. zap. GGPi no. 57 110-113 '66
- LEBANON—DESCRIPTION AND TRAVEL**
The echo of Baalbek, E. Kalinikova, Az. i Afr. seg. 10 no. 5 31-33 My '67
- LECITHIN**
Effect of soecaine on lecithin and cholesterol content in rabbit blood, G. T. Lobanova, Trudy Oren. otd. Vses. fiziol. ob-vo no. 3 206-213 '64
- LECTURE METHOD IN TEACHING**
More about lectures, Sh. Kh. Chubarisov, Vest. vys. shkoly 25 no. 3 7-10 Mr '67
- LECTURES AND LECTURING** see subdivision under Taganrog
- LEG—ABNORMALITIES AND DEFORMITIES**
Methodology of surgical elongation of a shortened lower extremity in children and adolescents, R. G. Fedotova, Ortop., travm. i protaz. 28 no. 4 23-28 Ap '67
- LEG—BLOOD SUPPLY**
Effect of tropaphen on arteries of the lower extremities in obliterating diseases, rheumatogenic and atherosclerotic studies, T. G. Ogogishvili, Sov. med. 30 no. 3 60-63 Mr '67
Serial intravenous functional phlebography in the diagnosis of diseases of the venous system of the lower extremities, Z. Z. Baikova, I. A. Samoilov, V. A. Rudol'fi, Sov. med. 30 no. 3 123-125 Mr '67
- LEG—CANCER**
Case of successful surgical treatment of sarcoma of the soft tissues of the hip by means of arterioplasty, V. Yu. Monoz, Sov. med. 30 no. 3 58-60 Mr '67
- LEG—FRACTURE**
Some characteristics of diaphyseal fractures of the bones of legs in lumbermen, A. S. Bondarchuk, Ortop., travm. i protaz. 28 no. 4 71-71 Ap '67
- LEG—SURGERY**
Case of successful surgical treatment of sarcoma of the soft tissues of the hip by means of arterioplasty, V. Yu. Monoz, Sov. med. 30 no. 3 58-60 Mr '67
Surgical treatment of neurofibromatosis of the lower extremities, A. A. Tsonshkov, B. Z. Fil'chuk, Khirurg. 43 no. 4 90-93 Ap '67
- LEGAL AID** see subdivision under Chomovitsy
- LEGAL RESEARCH**
(see also subdivision under Ukraine)
An interuniversity conference, A. Volkov, Sois. zakon, no. 4 73-75 Ap '67
- LEGENDRE'S FUNCTIONS**
Continuity conditions with unity probability for some random functions, IU. V. Kozachenko, Dop. AN URSSR Ser. A 29 no. 1 25-28 Ja '67
Decomposition of an arbitrary function into an integral over squares of Legendre's functions with complex marks, N. N. Lebedev, Dif. urav. 3 no. 3 422-435 Mr '67
- LEGISLATORS**
Sevrikov, K. I., ed. [Deputy of the Supreme Soviet, sketches on the work of the deputies] Deputy Varkhov-nogo Soveta; ocherki o rabote deputatov. Moskva, IURid, III-ra, 1966. 71 p.
(ICU) (NIC)
- LEGUMES**
At the Heligolag symposium, A. V. Peterburgskii, Agrokhimia no. 4 151-155 Ap '67
Dobrokhleb, I. F., comp. [Leguminous and pulse crops; breeding, seed production, and cultivation practices] Bobovy i zernobobovye kul'tury; selektsiia semenovodstvo i agrokhnika, Moskva, Kolos, 1966. 399 p.
(CU)
- Effect of molybdenum on the development of legumes, I. A. Malonozova, Agrokhimia no. 4 100-102 Ap '67
- LEGUMES—FERTILIZERS AND MANURES**
Effect of sulfur containing fertilizers on the accumulation of nitrogen in legumes, V. A. Shirshov, I. V. Pak, Agrokhimia no. 5 66-70 My '67
- LEGUMINOSAE**
Dobrokhleb, I. F., comp. [Leguminous and pulse crops; breeding, seed production, and cultivation practices] Bobovy i zernobobovye kul'tury; selektsiia, serovodstvo i agrokhnika, Moskva, Kolos, 1966. 399 p.
(CU)
- LEISURE**
Leisure time and ways to increase it, V. Stetskiy, Ukr. II no. 4 57-61 Ap '67
- LEIPZIG—HISTORICAL MUSEUMS**
Inextinguishable flame, IU. II Tkachenko, Sov. zh. 23 no 7 14 Ap '67
- LEMON** see subdivision under Tajikistan
- LEMON—FERTILIZERS AND MANURES**
Green manuring of citrus plantations, M. I. Bzina, Subtrop. kul't. no. 4 3-17 '66
- LEMON—FROST RESISTANCE**
Effect of the density of lemon trees on the intensity of photosynthesis as related to their frost resistance, V. E. Mikheideze, Subtrop. kul't. no. 4 32-36 '67
- LENA DELTA—SEDIMENTS (GEOLOGY)**
Bottom sediments and dynamics of Bykov branch of Delta, V. V. Ivanov, Trudy AANR 278 126-141 '67
- LENA RIVER—HYDROLOGY**
Possible changes of hydrological regime of Lena River in regulating its flow, V. S. Antonov, Trudy AANR 278 66-71 '67
- LENA VALLEY—SULFIDES**
Genesis of sulfide mineralization of Lena gold-bearing region, V. A. Buriak, Geol. i geofiz. no. 1 13-13 Ja '67
- LENN, VLADIMIR IL'ICH, 1870-1924**
Day of Lenin's book, V. Bakanova, Bibliotekar' 41 4 13-14 Ap '67
The 50th anniversary of the publication of V. I. Lenin's work "Imperialism as the highest stage of capitalism", Vop. ist. KPSS 11 no. 1 148-152 Ap '67
First decrees on labor, G. Duvankov, E. Semenov, O. truda i sots. stakh. 10 no. 5 12-13 My '67
For a more thorough investigation of Lenin's ideas, N. Gudkov, Bibliotekar' 44 no. 4 2-5 Ap '67
From the conference to practical matters, Z. Fil'chuk, Bibliotekar' 14 no. 1 11-12 Ap '67
A great example in struggle, work and life, Nar. obr. no. 4 2-7 Ap '67
Great help, Bibliotekar' 14 no. 4 12-13 Ap '67
How and what to tell the schoolchildren about Lenin, N. K. Krupskaya, Nach. shkola 35 no. 4 7-9 Ap '67
How V. I. Lenin developed the idea of a "Republic of the Soviets" in his "April theses", S. A. Artemev, Vop. ist. KPSS 11 no. 4 3-14 Ap '67
How V. I. Lenin worked out the theory of the noncapitalist development of undeveloped countries, V. P. Trutnev, Trudy TashGU no. 287 5-11 '66
Interpretation of the problems of Marxist ethics in V. I. Lenin's works written after the October Revolution, G. A. Gontarev, Nauch. dokl. vys. shkoly, filos. nauki 10 no. 2 98-106 '67
"It is about Lenin...", B. Liga, Mol. komizm ro 8-11 '67
- IUrov, IU. M.** [A trip through Lenin's address book] Puteshestvie po leninskoi adresnoi knizhke, [Moskva, Politizdat, 1967] 260 p.
- Kirilenko, A. P.** [Under the banner of Leninism to new victories of the October Revolution; a speech delivered at a solemn meeting in Moscow dedicated to the 37th anniversary of V. I. Lenin's birth] Pod znamenem leninizma - k novym pobedom dela Oktiabria; doklad na 37 zheslennom zasedanii v Moskve, posvashchennom 37-letii godovshchine so dnia rozhdenia V. I. Lenina, Moskva, Politizdat, 1967. 31 p.
- Lenin and cinema art, A. Gak, Mol. komizm no. 4 113-121 '67
- Lenin and the Putilov workers, Aleksandr Kravtsov, Sov. profsoyuz 23 no. 7 11-14 Ap '67
- Lenin is always with us, Knzh. torg. 19 no. 4 3 Ap '67
- The Lenin system of the people's control and the development of accounting, A. Komarov, Bukhg. uch. 10 31-41 Ja '67
- Lenin's analysis of imperialism and our time, N. Iosadzev, Mol. komizm no. 3 8-17 '67
- Lenin's conception of the dialectics of the subject and object, V. Lektorskiy, Kommunist 44 no. 6 38-43 Ap '67
- Lenin's insurance program, N. Efremova, Otkr. trudy i sots. strakh. 10 no. 4 3-4 Ap '67
- Lenin's principles of management in action, P. Abrosimov, S. Kamenitsky, Kommunist 44 no. 6 55-65 Ap '67

- LENIN, VLADIMIR IL'ICH, 1870-1924 (Continued)**
Loyalty to Leninism. Tekh. i voruzh. 25 no. 4:1 Ap '67.
Morn of a new life. Knizh. torg. 18 no. 1:1 Ap '67.
New documents on V. I. Lenin and the radio. M. Gicster. Sov. radio i tel. 9 no. 2:9-10 '60.
An open review. A. Sokhannala. Biblioteka' 11 no. 1: 9-10 Ap '67.
Ovsienko, V. L., and E. G. Vitalina. [Problems of statistical theory in V. I. Lenin's works] Voprosy statisticheskoi nauki v trudakh V. I. Lenina. Moskva, Statistika, 1967. 206 p.
"Pages from Lenin's life." V. Aslakhin. Sov. radio i tel. 9 no. 2:12 '60.
Popularization of Lenin's ideas. Knizh. torg. 18 no. 1: 1-2 Ap '67.
Problem of social determinism and morality in V. I. Lenin's works. A. F. Shishkin. Vop. filos. 21 no. 4: 21-31 '67.
Problem of V. I. Lenin's conception of the "revolutionary situation." A. D. Perevozov. Vop. ist. KPSS 11 no. 5: 94-99 My '67.
A reference book on V. I. Lenin's complete collected works. F. Zhevakhov. Komm. Ukr. 41 no. 4:85-80 Ap '67.
Reminiscences about V. I. Lenin. A. I. Prilashnikova. Vop. ist. KPSS 11 no. 4:120-126 Ap '67.
Review lessons in the 3d grade on the theme "Lenin is with us." N. F. Skrypchenko, H. T. Tolchan'. Rad. shk. 45 no. 4:55-50 Ap '67.
Some features of V. I. Lenin's methods in studying the history of the Soviet people. I. L. Sheinman. Ukr. ist. zhur. 11 no. 4:46-55 Ap '67.
The story of one of V. I. Lenin's telegrams. G. Volkov. Nauch. obr. no. 4:90-93 Ap '67.
The teacher of the school at Longjumeau. D. Matgulis. Nauch. obr. no. 4:84-90 Ap '67.
Tell the children about Lenin. G. Lynova. Doshk. vosp. 40 no. 4:12-14 '67.
Theoretical problems in V. I. Lenin's work "The state and the revolution." H. Nazarenko. Rad. pravo no. 4: 3-7 Ap '67.
The Ukrainian workers' communication to Lenin. Komm. Ukr. 41 no. 4:10-16 Ap '67.
Under the banner of Leninism. Kommunist 44 no. 6: 3-13 Ap '67.
Unforgettable meeting. N. Sidmanov. Av. i kosm. no. 4: 16 Ap '67.
[V. I. Lenin; a short biographical sketch] V. I. Lenin; kratkiy biograficheskiy ocherk. Izd. 4. Moskva, Politizdat, 1967. 237 p.
V. I. Lenin and problems of public education. N. K. Krupskaya. Nach. shkola 35 no. 4:2-6 Ap '67.
V. I. Lenin and the establishment of the principle of democratic centralism in the development of the Soviet state. V. M. Shapko. Vop. ist. KPSS 11 no. 4: 15-20 Ap '67.
V. I. Lenin and the ideological struggle at the present stage. B. Bortsev. Komm. Ukr. 41 no. 4:17-25 Ap '67.
V. I. Lenin and the organizations of poor peasants in the Ukraine. M. D. Berozovchuk. Ukr. ist. zhur. 11 no. 4: 38-45 Ap '67.
V. I. Lenin on relationship between the practical work of the party and the psychology of the masses. V. I. Kostenko. Vsiyuk. L'viv. un. ser. susp. nauk no. 2:121-125 '66.
V. I. Lenin on the active role of morality. O. N. Krutova. N. N. Krutov. Sov. pedagog. 31 no. 4:3-13 Ap '67.
V. I. Lenin on the national liberation movement. A. Reznikov. Kommunist 44 no. 7:91-102 My '67.
V. I. Lenin on the protection of the workers' health. M. N. Novitskiy. Pyt. nauk. kom. no. 1:158-164 '68.
V. I. Lenin on the revolutionary creative activity of the masses. V. V. Kolobkov. Pyt. nauk. kom. no. 1:3-16 '68.
V. I. Lenin on the role of science in socialist society. V. I. Malanchuk. Rad. shk. 45 no. 4:1-7 Ap '67.
V. I. Lenin on the work of the Soviet apparatus. Doshk. vosp. 40 no. 4:98-100 '67.
V. I. Lenin on the work of transportation and military communications. A. Klimovskiy. Tyi i snab. Sov. Vost. Sil 27 no. 4:13-17 Ap '67.
V. I. Lenin's April theses. S. Kizarez, D. Kukin. Kommunist 11 no. 6:14-24 Ap '67.
V. I. Lenin's care for the development of the chemical industry. V. V. Dobrovolskiy. Khim. prom. 43 no. 1: 1-2 Ap '67.
V. I. Lenin's lecture on the war in the autumn of 1914. S. V. Titukhin. Ist. SSSR no. 2:29-42 Mr.-Ap '67.
V. I. Lenin's principles of administration of justice. Sots. zakon. no. 4:13-11 Ap '67.
V. I. Lenin's struggle against bourgeois economic theories. L. I. Savranskaya. Frudy TashGU no. 2:73-80 '60.
V. I. Lenin's struggle for the happiness of the working people. Bezop. truda v prom. 11 no. 4:1-3 Ap '67.
V. I. Lenin's theory of socialist culture. V. M. Mezheuev. Vop. filos. 21 no. 4:9-20 '67.
We should learn everything from V. I. Lenin. Doshk. vosp. 40 no. 4:3-4 '67.
Work of a genius: on the 50th anniversary of the publication of V. I. Lenin's work "Imperialism as the highest stage of capitalism." M. Bunkina. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 4:3-13 '67.
- Working with the photographs of Lenin. I. I. Semenov. Nach. shkola 35 no. 4:10-13 Ap '67.
- LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY**
see Bibliography—Lenin, Vladimir Il'ich, 1870-1924
- LENIN, VLADIMIR IL'ICH, 1870-1924—DRAMA**
"The third pathetic." T. Marchenko. Sov. radio i tel. 9 no. 2:10-12 '60.
- LENIN IN LITERATURE AND ART**
"A man with a gun." L. Kholodov. Teatr 28 no. 3:3-8 Mr '67.
- LENIN PRIZES**
Winners of Lenin prizes of peace. Nov. vrem. 25 no. 19: 11 My '67.
- LENINABAD REGION—JAPANESE PAGODA TREE**
Study of alkaloids in *Sophora pachycarpa* C. A. M.) seeds. Kh. A. Islanov and others. Nauch. trudy TashGU no. 286 Khim. nauki no. 16:63-66 '66.
- LENINAKAN—EARTHQUAKES AND BUILDING**
Prospect of seismic waves. T. Karapetian. Prom. Akm. 10 no. 3:6-10 '67.
- LENINAKAN—TEXTILE INDUSTRY—MANAGEMENT**
Perfect organization of an enterprise is a guarantee for its efficient operation. G. Darbinian. Prom. Akm. 10 no. 3:33-36 '67.
- LENINABAD—CEMETERIES**
Petrov, G. F. [Piskarevskoye Cemetery] Piskarevskoe kladbishche. [Leningrad] Lenizdat, 1967. 38 p. (Turists to Leningrad)
- LENINABAD—COMMERCE—FINLAND**
"Lenintorg" expands its operations. Vnesh. torg. 47 no. 3:14 '67.
- LENINABAD—COMMUNIST PARTY OF THE SOVIET UNION**
History of the defeat of the "New opposition" led by Zinov'ev I. U. V. Voskresenskii. Vop. ist. KPSS 11 no. 5:62-71 My '67.
- LENINABAD—ELECTRIC MACHINERY INDUSTRY—ACCOUNTING**
Accounting for capital assets. S. Kul'in. Bukhg. uchët 20 no. 4:47-49 Ap '67.
- LENINABAD—ELECTRIC MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Roshkin, V. M. [Innovators suggest] Novatory predlagat. [Leningrad] Lenizdat, 1966. 118 p. (Peredovoi opyt - vseim)
- LENINABAD—EMDANKMENTS**
Rebuilding Leningrad embankments. Z. V. Tsagareli. Trudy GPI [Gruz.] no. 2:279-287 '64.
- LENINABAD—FISHERY PRODUCTS—STORAGE**
Construction of cold-storage warehouse from precast elements. A. Shmelev, S. Ivanov. Na stroit. Ros. 5 no. 1:18-19 Ja '64.
- LENINABAD—FUR TRADE**
To Leningrad after the golden fleece. A. Saag. Vnesh. torg. 47 no. 3:16 '67.
- LENINABAD—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES**
Improve the organization of the repair of equipment. V. Smirnov. Nauch. dokl. vys. shkoly; ekon. nauki 10 no. 4:139-141 '67.
- LENINABAD—MACHINERY INDUSTRY—SAFETY MEASURES**
Named after V. I. Lenin. . . I. Litvinenko. Okhr. truda. 1:ots. strakh. 10 no. 4:5-6 Ap '67.
- LENINABAD—MACHINERY INDUSTRY WORKERS**
At least a beginning has been made. D. Sitnikov. Sov. radio i tel. 9 no. 3:13-14 '60.
- Lenin and the Putilov workers. Aleksandr Kravtsov. Sov. profsoyuzy 23 no. 7:11-14 Ap '67.
- LENINABAD—MEAT INDUSTRY**
Direct contact and the transportation problem. N. Saitanov. Mias. ind. SSSR 38 no. 4:17 Ap '67.
- LENINABAD—MILITARY MUSEUMS**
Leninrad. Artilleriiskiy istoricheskiy muzej. [A brief guidebook to the Historical Museum of Artillery in Leningrad] Kratkiy putevoditel'. 4. izd. Pod red. A. A. Bunagina. Leningrad, 1964. 229 p. (NIC)
- LENINABAD—MUSEUMS**
[The M. V. Lomonosov Museum in Leningrad] Muzei M. V. Lomonosova v Leningrade. Izd. 2., dop. Leningrad, Nauka, 1967. 73 p. illus.
- LENINGRAD—ORIENTAL STUDIES**
Basic problems in studying the history of the ancient East in the Leningrad Branch of the Institute of the Peoples of Asia of the Academy of Sciences of the U.S.S.R. M. A. Dandamaev. Vest. drev. ist. no. 1:107-115 Ja-Mr '67.
- LENINGRAD—PACKINGHOUSES—WATER SUPPLY**
Effectiveness of the reuse of waste water. I. U. Danilov. Mias. ind. SSSR 38 no. 4:22-21 Ap '67.
- LENINGRAD—RADIO PLAYS**
Debate on a radio play. N. Bazhin and others. Sov. radio i tel. 9 no. 2:35-36 '60.
- LENINGRAD—RETAIL TRADE—AUDITING AND INSPECTION**
Intradepartmental control in trade. A. Dzhangizian. Bukhg. uchët 20 no. 4:61-63 Ap '67.
- LENINGRAD—SIEGE, 1941-1944**
Petrov, G. F. [Piskarevskoye Cemetery] Piskarevskoe kladbishche. [Leningrad] Lenizdat, 1967. 38 p. (Turists to Leningrad)
- LENINGRAD—STEEL INDUSTRY—EQUIPMENT AND SUPPLIES**
Sokolov, A. N., ed. [Mechanization and automatic control in metallurgy and foundry practice; from experience of the Leningrad industry] Mekh. i avtomatizatsiya v metallurgicheskoy i litomnoy proizvodstvennoy leningradskoy promyshlennosti. [Leningrad] Lenizdat, 1967. 225 p. diagrs. (insert)
- LENINGRAD—STUDENT ACTIVITIES**
Kazakevich, R. A., and S. Z. Mandel. [Scientific studies and cultural and educational activities of progressive students in the 1880's; The Scientific and Literary Society of the Students of St. Petersburg University] Nauchnaya i kul'turno-prosvetitel'skaya deyatelnost' progressivnoy studencheskoy 80-tykh godov XIX v.; studencheskoy nauchno-literaturnoy obshchestvo Peterburgskogo universiteta. [Leningrad] Izd-vo Leningr. univ., 1937. 73 p.
- LENINGRAD—TELEVISION**
Photographs on the screen. L. Tarasov. Sov. radio i tel. 9 no. 5:22 '60.
- LENINGRAD—TELEVISION BROADCASTING**
The address should be known. T. Korganova. Sov. radio i tel. 9 no. 3:16-17 '60.
- LENINGRAD—TELEVISION PLAYS**
"The third, pathetic." T. Marchenko. Sov. radio i tel. 9 no. 2:10-12 '60.
- LENINGRAD—TELEVISION PROGRAMS**
The inhabitants of Leningrad to the inhabitants of Moscow. I. A. Trainin. Sov. radio i tel. 9 no. 4:29 '60.
- LENINGRAD—WAR MEMORIALS**
Rotach, A. L. [The Aleksandr Column] Aleksandrovskaya kolonna. Leningrad, Izd-vo lit-ry po stroitel'stvu, 1966. 79 p.
- LENINGRAD—WAREHOUSES—DESIGN AND CONSTRUCTION**
Construction of cold-storage warehouse from precast elements. A. Shmelev, S. Ivanov. Na stroit. Ros. 5 no. 1:18-19 Ja '64.
- LENINGRAD—WOOD PRODUCTS**
Alukhov, V. F. [New developments in the production of veneers, plastics, and boards; practices at the Leningrad Veneer and Furniture Combine] Novyye v proizvodstve fanery, plastikov i pilit; opyt Leningradskogo fanerno-mebel'nogo kombinata. Moskva, Lesnaya promyshl., 1966. 84 p.
- LENINGRAD—X RAYS—EQUIPMENT AND SUPPLIES**
Improving the supply and sale work in an enterprise. V. Gruzdev. Mat.-tekhn. snab. 2 no. 4:27-33 Ap '67.
- LENINGRAD PROVINCE—FRUIT CULTURE**
Effectiveness of the use of sodium trichloroacetate with simazine and dalapon in orchards in Leningrad Province. A. M. Sofinskii. Khim. v sel'. khoz. 5 no. 4:40-41 Ap '67.
- LENINGRAD PROVINCE—FERTILIZERS AND MANURES**
Pestriakov, V. K. [Fertilizers and crops in intensive vegetable gardening] Udobreniya i urozhai v intensivnom ovoshchevodstve. [Leningrad] Lenizdat, 1966. 83 p. (DNAL)
- LENINGRAD PROVINCE—PARASITES—LADYBIRDS**
Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. E. I. Lipa, V. P. Sem'ianov. Ent. obozr. 46 no. 1:75-80 '67.
- LENINGRAD PROVINCE—PEAT BOGS**
Development of high bogs in the northwestern part of Leningrad Province as related to natural conditions. I. D. Bogdanovskaya-Glensel, T. G. Abramova. Uch. zap. LGU no. 3:27-312-235 '67.

1992

- LIGHT—SCATTERING**
Calculating the light extinction coefficient by colloidal particles of gold and silver in water. I. S. Radchenko. *Zhur. prikl. spekt.* 6 no. 4, 515-521 Ap '67.
- Determining the coefficient of diffuse scattering of light from light-diffusing media with a variable reflection coefficient. V. D. Kamenetskii. *Izv. vys. ucheb. zav.*, fiz. 10 no. 2, 64-69 '67.
- Interference in light scattering by submicro-inhomogeneous glasses. N. S. Andreev, T. I. Eshova. *Dokl. AN SSSR* 172 no. 6, 1299-1302 P '67.
- Method for the evaluation of the quality of rubies by the scattering of light. A. I. Koltadin. *Opt.-mekh. prom.* 34 no. 3, 5-9 Mh '67.
- New instruments for measuring light scattering in optical materials. T. I. Mukhina. *Opt.-mekh. prom.* 34 no. 3, 23-28 Mh '67.
- Physical bases of the spectroscopy of light-diffusing substances. G. V. Rozenberg. *Usp. fiz. nauk* 91 no. 4, 569-608 Ap '67.
- Remarks on I. U. IA. Kolbovskii's article "Effect of polydispersity on light scattering in polymer solutions." N. M. Bol'sht. *Vysokom. speed. Ser. B* 9 no. 1, 79-81 Ja '67.
- LIGHT—TRANSMISSION**
Transient radiation on two parallel interfaces. V. E. Pefomov, I. M. Frank. *IAd, fiz.* 5 no. 3, 631-610 Mr '67.
- LIGHT FILTERS**
Operation of lasers with a Q-factor of the resonator depending on the intensity of the radiation field. V. N. Morozov, A. N. Gerasvskii. *Zhur. tekh. fiz.* 37 no. 5, 947-952 My '67.
- Some properties of dielectric narrow-band, transmitting interference filters. Sh. A. Iman, Opt.-mekh. prom. 31 no. 1, 17-53 Ap '67.
- LIGHTWEIGHT CONCRETE** see subdivision under Moscow Province
- LIGNIN**
Carbohydrate-lignin complex content of feeds and its digestibility. M. V. Uspenskaya. *Trudy UZNIIZH* no. 1, 127-131 '67.
- Free radicals in condensed lignin preparations. M. I. Chudakov and others. *Sbor. tr. NIIGS* 15, 276-284 '66.
- Lignin as a rubber fertilizer. B. D. Bogomolov and others. *Bum. prom.* no. 1, 22 Ap '67.
- Structural quinone links of lignin. M. I. Chudakov, A. P. Samsonova. *Sbor. tr. NIIGS* 15, 285-290 '66.
- LIGNIN—DYING**
Recommendations for safety measures during the drying of yeast and lignin. I. U. A. Tuka. *Gidrol. i lesokh. prom.* 20 no. 3, 15-16 '67.
- LIGNITE**
New lignite and oil shale deposits in the Ukraine. I. A. Padalka. *Ugol. Dpr.* 11 no. 2, 49-50 P '67.
- LIME**
Rheological properties of lime suspensions as influenced by the addition of small amounts of electrolytes. P. P. Budilov, R. D. Arulitskain, N. A. Prokhorchenko. *Dokl. AN SSSR* 185 no. 1362-1361 P '67.
- LIMEKILNS**
Adjusting the gas-purifying unit of the lime-regenerating furnace. A. I. Tolst. V. P. Makshimov, M. A. Petrov. *Bum. prom.* no. 4, 10-20 Ap '67.
- Centrifuges for the thickening of lime slurry. V. R. Tlapkin. *Bum. prom.* no. 1, 16 Ap '67.
- LIMESTONE**
(see also subdivision under Bashkiria)
Some characteristics of germanium distribution in limestones and marls. S. M. Sedenko. *Dop. AN URSSR, Ser. B* 20 no. 5, 139-142 My '67.
- LIMESTONE—ANALYSIS** see subdivision under Cilmean Mountains
- LIMING OF SOILS**
Phosphorus nutrition of sugar beets from fertilizers and soils under liming. S. N. Ivanov, L. P. Mityko. *Vest. AN BSSR, Ser. sel'hoz. nauch.* no. 1, 35-38 '67.
- LIMIT THEOREMS (PROBABILITY THEORY)**
Limit theorem for determining the relationship between transient probabilities of Markov chains. S. A. Malchenov. *Usp. mat. nauk* 22 no. 2, 124-125 Mr-Apr '67.
- Limit theorem for Markov chains. S. Kh. Sirazhdinov, Sh. K. Formanov. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 11 no. 2, 31-37 '67.
- Limit theorem for the number of high-level intersections by a stationary Gaussian process. I. U. K. Bollaev. *Dokl. AN SSSR* 173 no. 4, 739-740 Ap '67.
- Limit theorems on the uniform distribution of some sequences. L. P. Usoltsev. *Izv. vys. ucheb. zav.; mat.* no. 4, 112-121 Ap '67.
- LIMITATION OF ACTIONS**
The statute of limitations on criminal liability. M. Eftimov. *Sov. iust.* 31 no. 8, 22-23 Ap '67.
- LIMNOLOGY**
Some problems of limnology. V. V. Bogdanov. *Izv. Vses. geog. ob-va* 89 no. 2, 106-113 Mr-Apr '67.
- LIMONITE**
Mechanism of formation limonites containing germanium. N. I. Rozenkova. *Dokl. AN SSSR* 173 no. 4, 928-928 Ap '67.
- LINDEN**
Role of linden in increasing the resistance and productivity of forests. V. P. Timofeev. *Izv. TSKhA* no. 1, 123-142 '66.
- LINEAR DIFFERENTIAL EQUATIONS** see Differential equations, Linear
- LINEAR EQUATIONS**
Aggregation method for solving a system of linear equations. B. A. Shchennikov. *Dokl. AN SSSR* 173 no. 4, 781-784 Ap '67.
- Evolutional graphs and their application in studying and solving systems of linear equations. P. E. Kraushchikov. *Dokl. AN SSSR* 183 no. 6, 1265-1268 D '63.
- Invariant equipment of a surface of a space of affine connectivity. V. D. Izmailov. *Dokl. AN SSSR* 173 no. 4, 755-757 Ap '67.
- Stability of solutions to systems of linear equations in partial differences. I. I. Maimonstein. *Izv. vys. ucheb. zav., mat.* no. 1, 60-63 Ap '67.
- LINEAR PROGRAMMING**
Criterion of optimality and combining branches of agricultural production. G. Gavrilov. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4, 74-79 '67.
- Dynamic analog of the transportation problem. II. E. Pukhov, V. O. Lapa. *Dop. AN URSSR, Ser. A* 29 no. 4, 334-335 Ap '67.
- Mathematical modeling of production and interregional exchange of products. A. Nurullaev. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4, 58-67 '67.
- The "method of penalties" in convex programming. I. I. Eremkin. *Dokl. AN SSSR* 173 no. 4, 748-751 Ap '67.
- Planning transportation. I. Litvinov. *Tekhn. i teorii. 25 no. 2, 38-39 P '67.*
- Using mathematics in planning for deliveries of mineral fertilizers. I. Pohlanski, V. Kudakov. *Mat.-tekh. snab.* 2 no. 1, 66-71 Ap '67.
- LINEAR TOPOLOGICAL SPACES**
Continuous linear forms on inductive limits of derivative straight. V. D. Golovin. *Dokl. AN SSSR* 173 no. 3, 501-506 Mh '67.
- Differential in linear topological spaces. V. I. Averbukh, O. G. Smolnikov. *Dokl. AN SSSR* 173 no. 1, 735-738 Ap '67.
- LIPASE**
Distribution of lipoprotein lipase in the myocardium of reptile and hungry animals. F. L. Lelchev, B. L. Lempert. *Dokl. AN SSSR* 173 no. 3, 694-695 Mr '67.
- LIPETSK PROVINCE—STOCK AND STOCKBREEDING**
Directing the competition. S. Korol'kov. *Part. zhizn'* no. 7, 49-50 Ap '67.
- LIPID METABOLISM**
Histocchemistry of lipids of the adrenal cortex in radiation lesion of the body. G. A. Tkacheva. *Ark. anat., gat. i embri.* 52 no. 4, 3-8 Ap '67.
- Sudanophilic inclusions in the macrophages of lymph nodes of pulmonary tissues in rats under normal conditions, in alimentary fat load and experimental silicosis. L. G. Babushkina. *Bull. eksp. biol. i med.* 63 no. 4, 116-118 Ap '67.
- LIPIDS**
Complex lipids. Part 28: Synthesis of α -carbonyloxyglycine ester of α -glyceryl-N-phthalimidocetylphosphoryl- β , α -dibenzoylglycerol. M. A. Gum-Gryzhimailo and others. *Zhur. org. khim.* 3 no. 4, 650-653 Ap '67.
- Fatty acid composition of lipids in plaque microbes. E. K. Alimova, E. A. Bolikova. *Biokhimiya* 32 no. 2, 210-222 Mr-Apr '67.
- Further study of diols isolated from lipids in the genus *Lipomyces* yeast. V. A. Vaver and others. *Biokhimiya* 32 no. 2, 310-317 Mr-Apr '67.
- Lipids in the hulls of oil-rich sunflower seeds. V. G. Shcherbakov, P. I. Kudinov. *Izv. vys. ucheb. zav., i plech. tekhn.* no. 2, 21-24 '67.
- LIPIN, ALEKSANDR NIKOLAEVICH, 1877-1906**
Aleksandr Nikolaevich Lipin: an obituary. F. S. Lipetovskaya. *Gidrobiol. zhur.* 3 no. 2, 94-96 '67.
- LIPIN, NIKOLAI IVANOVICH, 1912-1877**
Our scientists and technologists. S. Kola i prof. 11 no. 1, 74-77 Ja '67.
- LIPOMYCES**
Further study of diols isolated from lipids in the genus *Lipomyces* yeast. V. A. Vaver and others. *Biokhimiya* 32 no. 2, 310-317 Mr-Apr '67.
- LIQUEFIED GASES**
Compressibility coefficient of liquefied gases used as fuel for marine diesel. L. P. Buryshkin. *Za tekhn. prog.* 7 no. 3, 41-44 Mr '67.
- LIQUID ALUMINUM-ZINC ALLOYS—ELECTRIC PROPERTIES**
Double inversion of electron transfer in the system Al-Zn in liquid state. A. Z. Zimmalev, E. I. Khail'kov, A. G. Rudenko. *Fiz. met. i metalloved.* 23 no. 3, 559-562 Mh '67.
- LIQUID BISMUTH-ZINC ALLOYS—ELECTRIC PROPERTIES**
Electrical resistance and electron transfer in the system Bi-Zn at 700°C. P. P. Kur'menko and others. *Fiz. met. i metalloved.* 23 no. 3, 558-558 Mh '67.
- LIQUID CAST IRON**
Studying the process of metal flow and decomposition into drops. I. A. Ryshnikov, V. A. Gertshteyn, B. A. Kuleskov. *Izv. vys. ucheb. zav. chem. met.* 10 no. 3, 140-143 '67.
- LIQUID FERTILIZERS AND MANURES**
Technology of the use of liquid compound fertilizers on the "Zaria kommunizma" State Farm. F. V. Anishevskii, V. M. Komarov. *Agrokhimia* no. 5, 130-132 My '67.
- LIQUID IRON—HYDROGEN CONTENT**
Effect of certain elements on hydrogen solubility in liquid iron. B. P. Burylev. *Izv. AN SSSR, Met.* no. 2, 26-34 Mh-Apr '67.
- LIQUID IRON—OXYGEN CONTENT**
Oxygen diffusion in molten iron. I. A. Novokhatski, G. S. Ershov. *Izv. AN SSSR, Met.* no. 2, 43-46 Mh-Apr '67.
- LIQUID IRON ALLOYS—THERMAL PROPERTIES**
Thermochimistry of iron alloys with carbon in solid and liquid states. A. A. Verlanov, S. N. Makarov, A. M. Samarin. *Izv. AN SSSR, Met.* no. 2, 22-27 Mh-Apr '67.
- LIQUID IRON-CHROMIUM ALLOYS**
Effect of silicon, boron, and calcium on oxidation of liquid iron-chromium alloys. B. I. Mikhaylov, O. G. Sidletskii. *Izv. AN SSSR, Met.* no. 2, 17-48 Mh-Apr '67.
- LIQUID LEVEL INDICATORS**
A follow-up level indicator. N. M. Seigienko, A. S. Agafonov. *Gidrol. i lesokh. prom.* 20 no. 3, 28-29 '67.
- Pit-11 float-type level controller. A. G. Rotenberg. *Khol. tekhn.* 11 no. 1, 9-11 Ap '67.
- LIQUID MANGANESE ALLOYS**
Solubility of gases in liquid manganese-base alloys. B. P. Burylev. *Izv. vys. ucheb. zav.; chem. met.* 10 no. 4, 5-11 '67.
- LIQUID METALS**
Heat transfer by rods with triangular grate in a longitudinal flow of liquid metal in bundles. V. M. Borishanov, A. A. Gerasvskii, E. V. Lutsova. *Atom. energ.* 22 no. 1, 18-19 Ap '67.
- Korol'kov, A. M. [Founding properties of metals and alloys] *Litinye svoystva metallov i sployav.* Izd. 2, dop. Moskva, Nauka, 1967, 198 p.
- LIQUID METALS—ELECTRIC PROPERTIES**
Connection between electric conductivity and sound velocity in liquid metals. M. B. Gitis and others. *Fiz. met. i metalloved.* 23 no. 3, 574-576 Mr '67.
- LIQUID METALS, EFFECT OF TEMPERATURE ON**
Crystallization of metals from an undercooled state. A. S. Filippov, N. A. Nedumov. *Izv. AN SSSR, Met.* no. 2, 156-161 Mh-Apr '67.
- LIQUID NICKEL ALLOYS**
Nitrogen solubility and formation of nitrides in liquid alloys of nickel with titanium and aluminum. I. A. Stomakhin, A. M. Polnikov. *Izv. AN SSSR, Met.* no. 2, 49-51 Mr-Apr '67.
- LIQUID NONFERROUS METALS**
Carbon solubility in liquid metals of the sixth period. B. P. Burylev. *Izv. vys. ucheb. zav.; chem. met.* 10 no. 3, 20-22 '67.
- LIQUIDS**
Relationship between the structural features of liquid and drop entrainment in boiling. V. G. Gitis, V. M. Vilen'skii, V. I. Khentov. *Zhur. prikl. fiz.* 40 no. 4, 923-926 Ap '67.
- LISTERIOSIS** see subdivision under Siberia
- LISTERIOSIS—PREVENTIVE INOCULATION**
Dynamics of agglutination reaction and testing the safety for lambs of the experimental listeriosis vaccine from strain "bus". R. A. Khabibullin. *Vest. sel'hoz. nauki [Kazakh.]* 10 no. 3, 70-73 Mr '67.
- LITAVIN, SERGEI**
For meetings. N. Situchkin. *Kryl. rod.* 18 no. 3, 6-7 Mr '67.
- LITERARY ERRORS AND BLUNDERS** see Errors and blunders, Literary
- LITERARY MUSEUMS** see subdivision under Dushanbe

LITERARY STYLE see Style, Literary

LITERATURE—AESTHETICS

Zvers, T. V. [Moral and aesthetic education of students during the study of the literary landscape in the 5th and 6th grades, a methods handbook] *Nravstvo i esteticheskoe vospitanie uchashchichsya pri izuchenii literaturnogo peizazha v 5 - 6-kl klassakh; metodicheskoe posobie* Leningrad, 1967, 91 p.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

Anisimov, I. I. [A new epoch of world literature] *Novaya epokha vsemirnol literatury* Moskva, Sov. pisatel', 1966, 686 p.

Kostylev, O. L. [Literary criticism articles in literature class, a textbook for the teacher] *Kriticheskaya stat'ia na uroke literatury, posobie dlia uchitelja* Leningrad, Prosveshchenie, 1967, 191 p.

Mehring, Franz. [Articles of literary criticism. Translated from the German] *Literaturno-kriticheskie stat'i* Moskva, Khudozhnik, 1964, 534 p. (Pamiatniki mirovoi esteticheskoi i kriticheskoi mysli) (OU)

On the question of perception of a literary work. R. T. Il'mutsk. *Rad. lit.* 11 no. 2:22-32 1967.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—STUDY AND TEACHING

[Extracurricular work in literature] *Posaklasna robota z literatury; zbirnyk statей* Kyiv, Rad. shkola, 1964, 192 p. (CaOTU)

Using the creations of art in literature classes. E. A. Ruchinskaya. *Sred shkol' obz.* 11 no. 3:29-32 1967

LITERATURE, COMPARATIVE—ROMANCE AND SLAVIC

International Conference on the Question of East Romance and East Slavic Interrelations. *Rad. lit.* 11 no. 2:92 1967.

LITERATURE AND ART see Art and Literature

LITHIUM CARBONATES

Reaction of zircon with lithium carbonate on heating. I. U. M. Polozhaev, V. G. Chukharsov, Zhur. prikl. khim. 40 no. 4:712-716 1967.

LITHIUM FLUORIDE CRYSTALS

Effect of impurities on the plasticity of lithium fluoride crystals. L. M. Beliaev, M. V. Klassen-Nekudova, V. G. Govorkov. *Izv. AN SSSR. Neorg. mat.* 3 no. 1:67-72 Ja 1967.

LITHIUM FLUORIDE CRYSTALS, EFFECT OF RADIATION ON

Studying the mechanism of optical disintegration of lithium fluoride single crystals. N. V. Volkova and others. *Fiz. tver. tela* 9 no. 3:778-783 1967.

LITHIUM ISOTOPES

[Lithium-8 production in the capture of slow negative pions by carbon, nitrogen, and oxygen nuclei] *Obrazovanie litia-8 pri zakhvate medlennykh π^- -mезонов iadrami ugleroda, azota i kisloroda*. [By] I. U. A. Batasov i dr. [Dubna, 1967]

LITHIUM ISOTOPES—SPECTRA

Photodisintegration of Li^8 nucleus. V. P. Denisov and others. *IAd, fiz.* 5 no. 3:496-503 1967.

LITHIUM SALTS

Mechanism of exchange of lithium ions between crystals and saturated solutions of lithium hydroxide in sulfate. E. D. Kuznetz, L. M. Iakimenko, Zhur. prikl. khim. 40 no. 4:728-738 1967.

LITHIUM SULFATE

$SO_4 \cdot Al_2(SO_4)_3 \cdot 11H_2O$. V. G. Shevchuk, B. N. I. Zhur. neorg. khim. 12 no. 4:1003-1005

PHYSIOLOGICAL EFFECT

Inhal dust of andesite, basalt, and lithopone as pneumoconiosis. G. Z. Pitskhelauri, *ov. med.* 27 no. 8:136-138 1963.

ICE—CONGRESSES

Conference of the financial workers S. S. R. P. Samulevich. *Fin SSSR* 1p 1967

DRY

Activity of Russian diplomats in the quarter of the 16th century. A. B. zap. Mord. gos. un. 28:177-193 1963.

OBOLOGY

Elements in water of river of E. L. Butkute. *Gidrekhn mat.* 42:

LITHUANIA—INDUSTRIES

Marvelous shoots. A. Gudaitis-Guzavičius. *Otliab* 36 no. 6:7-9 1961

LITHUANIA—RADIO JOURNALISM

Thus our newspaper was born. A. Berezova. *Sov radio* 1961 9 no. 2:17 1960

LITHUANIA—RIVERS

Regime of main ions in water of rivers of Lithuanian S. S. R. E. L. Butkute. *Gidrekhn mat.* 42:22-39 1966

LITHUANIA—STATISTICS

[National economy of the Lithuanian S. S. R. in 1965; collection of statistical tables] *Lietuvos TSR laisvės uki 1965 metais; statistiniu duomeniu rinkinys*. Vilnius, Statistika, 1966, 415 p. [in Lithuanian]

LITHUANIA—WATER—COMPOSITION

Regime of main ions in water of rivers of Lithuanian S. S. R. E. L. Butkute. *Gidrekhn mat.* 42:22-39 1966

LIVER

Age-related characteristics of the nucleotide composition of RNA and DNA in rat liver. V. N. Nikitin, T. M. Sherashvskaya. *Uch. zap. KHGU* 131:110-114 1962

Changes in antibody biosynthesis and protein spectrum of the blood serum under the effect of ultrasound on the liver region in rabbits. D. A. Kletmenov. *Biol. eksp. biol. i med.* 63 no. 3:51-54 1967.

Changes in dicarboxylic amino acids in nucleoproteins of the liver of animals of different age. I. D. Shumenko. *Uch. zap. KHGU* 131:44-47 1962.

Changes in liver cell size as affected by growth hormone in animals of different age. V. N. Nikitin, G. A. Stanetskaya. *Uch. zap. KHGU* 131:135-140 1962.

Comparative study of antigenic composition of denervated and normal liver. D. S. Tostler. *Dokl. AN SSSR* 173 no. 4:978-980 1967.

Effect of cortisone on liver protein fractions. V. N. Nikitin, I. U. A. Moisev, O. L. Galavina. *Uch. zap. KHGU* 131:90-94 1962.

Effect of 6-methylthiourea on secretory activity of sheep liver. I. S. Ivanov. *Trudy Oren. old. Vses. fiziol. obz.* no. 3:63-67 1964.

Role of Kupffer's cells of the liver in transplantable leukemia. F. B. Ermakova. *Biol. eksp. biol. i med.* 63 no. 5:73-77 1967.

LIVER—CANCER

Comparative study of carcinogenesis of the liver in male and female rats under the effect of dimethylaminoazobenzene in various nutritional conditions. L. K. Podzel, M. I. Bolonina, N. P. Kuzmina, Pat. fiziol. i eksp. terap. 11 no. 2:55-59 1967.

Effect of hepatocytotoxic sera on the course of carcinogenesis induced by p-dimethylaminoazobenzene in the liver in rats. A. I. Rykorev. *Vop. eksp. onk.* no. 2:28-38 1966.

LIVER—CIRRHOSIS

Chronic hepatitis and cirrhosis of the liver caused by Botkin's disease. P. I. A. Grigor'ev, N. P. Kukina. *Sov. med.* 27 no. 8:54-60 1963.

LIVER—DISEASES

Functional and morphological changes in the stomach in dogs in experimental hepatitis. N. P. Akimov. *Biol. eksp. biol. i med.* 63 no. 4:41-45 1967.

Hepato-linear syndrome in helminthiasis. M. G. Fatullayev. *Azerb. med. zhur.* 44 no. 1:27-33 1967.

Role of the nervous system in the development of experimental hepatitis. V. V. Chernin. *Arkh. pat.* 29 no. 3:50-53 1967.

LIVER—GLYCOGENIC FUNCTION

Effect of carbon monoxide on the glycogen-forming function of the liver. V. A. Beliaev. *Farm. i toks.* 30 no. 2:234-236 1967.

LIVER—HYDATIDS

Results of surgical treatment of echinococcosis. V. E. Varlanian. *Khirurgia* 43 no. 4:64-68 1967

LIVER—RADIOGRAPHY

Radioisotope examination of the liver in diseases of the thyroid gland. V. N. Slavov. *Med. rad.* 12 no. 4:53-57 1967

LIVER FUNCTION TESTS

Changes in hepatic excretory function following immunotherapy during the acute period of burn disease. R. V. Nedoshivina. *Biol. eksp. biol. i med.* 63 no. 4:36-39 1967.

Early histochemical changes in the liver in young rats in protein-choline insufficiency. E. E. Gupalo. *Arkh. pat.* 29 no. 3:53-58 1967.

Effect of loss of blood on the functional state of the liver. E. M. Neiko. *Biol. eksp. biol. i med.* 63 no. 4:39-41 1967.

Effect of orotic acid its morpholine salt and purine on the state of the liver in chronic poisoning with carbon tetrachloride. E. E. Belen'kii and others. *Farm. i toks.* 30 no. 2:218-221 1967.

Effect of salt alkaline mineral water on the antitoxic function of the liver in animals poisoned with carbon tetrachloride. K. I. Kudachenko. *Pat. fiziol. i eksp. terap.* 11 no. 2:71-72 1967.

Effect of Thio-TEPA and Benzo-TEPA on the formation of the liver in rabbits. B. M. Zolotarev. *Vop. onk.* 13 no. 3:76-79 1967.

Functional disorder of the liver, stomach, and gallbladder in cholelithiasis. A. P. Dobrogosov, A. Shchetina. *Sov. med.* 27 no. 8:41-47 1963.

Metabolism of free nucleotides of the liver in experimental atherosclerosis. N. P. Okushko. *Biol. eksp. i med.* 63 no. 4:53-55 1967.

Method of studying external secretion of the liver with intact gallbladder and hepato-intestinal circulation. M. F. Neesterin, R. V. Narodetskaya. *Biol. eksp. i med.* 63 no. 5:121-122 1967.

Participation of the liver in electrolyte metabolism. V. D. Romanenko. *Fiziol. zhur.* 53 no. 3:337-343 1967.

LOADING AND UNLOADING

Increase the effectiveness of means for the reduction of unloading grain from trucks. A. I. Kishin. *Fiz. i tekhn. v. zap. p. onk.* 13 no. 3:7-9 1967.

Loading equipment on river vessels. M. A. Nalib. *Fiz. i tekhn. v. zap. p. onk.* 13 no. 3:7-9 1967.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES see subdivision under Odessa

LOADING AND UNLOADING—MECHANIZATION

Mechanization is the path to high combat readiness. A. Nikitin. *Fiz. i tekhn. v. zap. p. onk.* 13 no. 4:7-9 1967.

LOANS

Zolotarev, S. I. [Loan capital and the interest paid] *Sudnyi kapital i sudnyi protsent*. [Saratov] 1963. Saratovskogo univ., 1966, 54 p. (CST-II)

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] *Ref. zhur. Avtom. i gos. transp.* no. 5 1967.

LOCAL GOVERNMENT

The role and place of independent organizations in the system of local self-government. H. L. Kozlov. *Fiz. nauk kom.* no. 1:112-129 1966.

LOCATION OF INDUSTRIES see Industries, Location of

LOCOMOTIVES

Device for discrete registration of the oscillations of the hull of a locomotive relative to cars. D. E. Kozlov, E. A. Chubarev, *Izv. vuz. ucheb. zav., elektrot.* no. 2:233-234 1967.

LOCUSTS

Intestine innervation in *Locusta migratoria* L. (Orthoptera: Acrididae). S. I. Plotnikova. *Ent. obozr.* 46 no. 1:121-127 1967.

LOCUSTS—EXTERMINATION

[see also subdivision under Kazakhstan] What the instructor says about the control of migratory locusts. P. P. Arkhangelskii. *Zashch. rast.* 12 no. 4:121-127 1967.

LOGGING (PLANTS)

Chlorocholine chloride, its effectiveness against the lodging of grain and condition for its efficient use. G. A. Cheremisinov. *Khim. v sel. khoz.* 5 no. 4:72-73 1967.

LOESS see subdivision under Ingulets Valley (Ukraine)

LOGGING (GEOLOGY)

Estimating the accuracy of beta measurements in boreholes. I. U. B. Davydov. *Izv. vuz. ucheb. zav., gor. i tekhn. naft. i gaz. prom.* 10 no. 2:3-6 1967.

Magnetic dipole in three-layered conducting media. G. N. Zverev, V. A. Kusov, V. A. Batanin. *Izv. AN SSSR, Fiz. zem.* no. 9:63-72 1965.

Method of calculating the multireflecting sounder for induction coring. M. M. Andreeva, A. A. Kaufman. *Izv. AN SSSR, Fiz. zem.* no. 9:100-105 1965.

LOGGING (GEOLOGY)—EQUIPMENT AND SUPPLIES

Specifications for radioactive logging equipment for searching and prospecting for solid minerals. I. I. Feldman. *Geofiz. app.* no. 20:91-95 1966.

LOGIC

Logical probability and inductive inferences. G. I. Ruvinskii. *Vop. filoz.* 21 no. 4:106-118 1967.

Present-day formal logic and traditional logic. A. A. Vetrov. *Nauch. dokl. vuz. shkoly; filos. nauki* 10 no. 2:125-132 1967.

LOGIC, SYMBOLIC AND MATHEMATICAL

Algebra of time sequences. A. V. Nefushin. *Izv. vuz. ucheb. zav., elektromekh.* no. 3:239-248 1967.

Class of transformations P_2 into itself, realized by formulas. I. U. Golunkov. *Uch. zap. Kaz. un.* 125 no. 6:34-44 1965.

Evaluation of the complexity of formulas for monotonic functions in algebra of logic in a class of disjunctive normal forms. B. S. Kochkarov. *Uch. zap. Kaz. un.* 125 no. 6:49-57 1965.

- LOGIC, SYMBOLIC AND MATHEMATICAL (Continued)**
The nature of mathematical abstractions and their role in scientific knowledge. V. M. Stasyshyn, Vysnyk L'viv. un. Ser. susp. nauk. no. 2 156-163 '66.
Present-day formal logic and traditional logic. A. A. Vetrov, Nauch. dokl. vys. shkoly, filoz. nauk. 10 no. 2 125-132 '67.
Realization of functions in K-valued logic. V. I. Kornelchuk and others, Izv. vys. ucheb. zav., radiofiz. 10 no. 3 423-428 '67.
Some basis of J. Robinson's algebra. I. Kh. Nasibullin, Kibernetika no. 2 24-26 Mi-Apr '67.
Some functionally closed classes in functions of K-valued logic. V. L. Rachev, I. I. Shkharov, Kibernetika no. 2 42-44 Mi-Apr '67.
Some properties of the algebra of general recursive functions. E. A. Polinikov, Kibernetika no. 2 20-23 Mi-Apr '67.
- LONGEVITY**
Methodology for studying the geography of longevity in the U.S.S.R. N. N. Sachuk, Dokl. po med. geog. no. 2 19-58 '65.
Our longevity, facts and figures, Agitator 35 no. 9 5-29 May '67.
- LOOMS**
Reducing dust in the air of plants with pneumatic looms. G. N. Smirnov, Tekst. prom. 27 no. 2 35-37 F '67.
Shuttles from "caproplastics." A. K. Afvazlan, M. S. Saifalain, Tekst. prom. 27 no. 4 14-15 Ap '67.
- LOOMS—ELECTRIC DRIVING**
New asynchronous motor for the drive of automatic looms. A. N. Masynov, V. S. Mostekis, Tekst. prom. 27 no. 2 37-39 F '67.
- LOOMS—TESTING** see subdivision under Ivanov
- LOOMS—VIBRATION**
Use of synthetic materials as a padding for looms. V. I. Lishov, G. A. Tsai'kov, A. P. Makhan'kova, Nauch.-issled. tekhn. izv. no. 9 78-84 '64.
- LOSS OF POLITICAL RIGHTS** see Political rights, Loss of
- LOUDSPEAKERS**
Loudspeaker column with universal directional characteristic. G. Popova, Radio no. 1 36 Ap '67.
- LOVE IN LITERATURE**
Again about love. Lidiya Pomenko, Oktabr. 38 no. 6 210-214 Jo '61.
- LOW BLOOD PRESSURE** see Hypotension
- LOW TEMPERATURE METALS** see Metals at low temperatures
- LOWER TUNGUSKA VALLEY—ORE DEPOSITS**
Distribution of vanadium, chromium, cobalt, nickel, and copper in differentiated intrusions of palagonite traps in upper Lower Tunguska Valley. V. A. Naumov, P. A. Gulin, Geokhimiya no. 2 214-220 F '67.
- LOWER VOLGA ECONOMIC REGION—DELIVERY OF GOODS—FINANCE**
The financial plan and reality. G. Kogan, I. Shurupov, Mat., tekhn. enab. 2 no. 4 86-87 Ap '67.
- LUBNY (UKRAINE)—EXCAVATIONS (ARCHAEOLOGY)**
A burial in the Zamkovaya Gora part of Lubny. I. E. V. Makino, Arkheologiya 18 105-109 '65.
- LUBOTSKII, DAVID NAUMOVICH, d. 1966**
D. N. Lubotskii: an obituary, Khirurgiya 43 no. 4 157 Ap '67.
- LUBRICATION AND LUBRICANTS**
Additives to lubricants synthesized on a peat phenol basis. S. A. Dmitriev and others, Prof. prom. 44 no. 2 37-40 '67.
Effect of the contamination of lubricants on the resistance factor value of mine rails and car bearings. E. D. Novikov, Vop. rad. transp. no. 9 171-174 '65.
Rectification with gumblin of oil distillates of some North oil fields. S. G. Namoradze, Sh. S. Shatashvili, Izv. Tbil. GU 74 351-360 '59.
Wear of lubricated rubbers. G. S. Klitnik, S. B. Ratner, G. M. Rakova, Kauch. i rez. 26 no. 4 32-35 '67.
- LUBRICATION AND LUBRICANTS—TESTING**
Antifouling properties of lubricating oils and their evaluation by means of a four-ball machine. I. A. Rozenberg, Vest. mashinost. 47 no. 4 44-47 Ap '67.
- LUGANSK PROVINCE—ANTIQUITIES**
New finds in the Derkul Valley. V. M. Iladylin, Arkheologiya 18 171-177 '65.
- LUGANSK PROVINCE—MINE VENTILATION**
Ventilation boreholes of a large diameter for mines of the "Luganskugol" Combine. N. A. Trolov, N. V. Shibka, I. A. Grigor'ev, Bezop. i. udu. v. prom. 11 no. 28-32 Mr '67.
- LUGANSK PROVINCE—TILLAGE**
Effectiveness of the rolling of soils during the pre-sowing period. I. P. Iakovlev, Sbor. rab. po masl. i chtiomasl. kul't. no. 1 57-60 '66.
- LUKHOVITSY (MOSCOW PROVINCE)—FLOUR MILLS**
Working with high loads in break roller milling. V. Solodovnikov, I. Krmachuk, Muk. elev. prom. 13 no. 3 11-13 Mr '67.
- LUMBER—TRANSPORTATION**
Goncharenko, N. T. [Automatic loader in the wood-processing industry] Avtopogruchniki v lesnoi i derevoobrabatuyushchei promyshlennosti. Moskva, Lesnaya promyshl., 1966, 163 p.
- LUMBERING**
(see also subdivision under Maritime Territory)
Kuz'minov, G. P., and others. [Stationary thermal electric power plants for the lumbering industry] Statsionarnye teplovye elektrostantsii lesozagotovitel'noi promyshlennosti. Moskva, Lesnaya promyshl., 1966, 322 p.
- LUMBERING—ACCIDENTS**
Some characteristics of diaphyseal fractures of the bones of legs in lumbermen. A. S. Bondarchuk, Ortop. i. travm. i. protez. 28 no. 4 71-74 Ap '67.
- LUMBERING—FINANCE** see subdivision under Bol'shoy Lug (Kursk Province)
- LUMBERMEN** see subdivision under Krasnoyarsk Territory
- LUMINESCENCE**
Characteristics of two-photon excitation of the luminescence of ZnS-Cu. T. P. Balkova, E. A. Sviridenkov, Fiz. i. tekhn. poluprov. 1 no. 4 606-608 Ap '67.
Charge stabilization at low-temperature radiolysis of aromatic hydrocarbons. V. A. Tochkin, N. I. A. Buben, Khim. vys. energ. 1 no. 1 78-83 Ja-F '67.
Chemoluminescent study of liquid-phase oxidation of 1-nonen-1-ene and isopropylbenzene. I. P. Shvachuk, R. V. Kuchit, Dokl. AN URSS Ser. B 29 no. 5 449-451 May '67.
Concentration quenching of erbium luminescence in yttrium-aluminum garnet. R. V. Bakadze and others, Fiz. i. tekhn. poluprov. 9 no. 3 939-942 Mi '67.
Energy spectrum of acceptors as radiative recombination centers in silicon carbide. L. S. Gorban', I. A. Matasov, I. U. M. Suleimanov, Fiz. i. tekhn. poluprov. 1 no. 4 612-614 Ap '67.
Luminescence of manganese-activated phosphate glasses. N. A. Gorbacheva, A. I. Kabakova, Zhur. prikl. khim. 6 no. 4 178-184 Ap '67.
Luminescence of nonstoichiometric strontium oxide. G. D. Klova, Z. I. Guretskaya, A. A. Bunde', Zhur. fiz. khim. 41 no. 4 907-910 Ap '67.
Luminescence of organic glasses irradiated at low temperatures. Kh. S. Bagdasarian, R. I. Mitinskaya, I. U. V. Kovalev, Khim. vys. energ. 1 no. 2 127-135 Mr-Apr '67.
Luminescence study of bioluminescent emulsion sensitized by gold. V. M. Briusov, I. P. Mel'nikchuk, K. V. Chibisov, Dokl. AN SSSR 172 no. 8 1357-1360 F '67.
Luminescence determination of boron by means of a boramine GG. A. K. Babko, A. E. Vostolevskaya, Ukr. khim. zhur. 33 no. 3 314-318 '67.
Photochemiluminescence of chlorophyll and its analogs in solutions. F. F. Litvin, A. A. Krasnovskii, J. Dokl. AN SSSR 173 no. 2 451-451 Mr '67.
Photoluminescence of irradiated aromatic compounds at 77°K. V. A. Tochkin, V. G. Nikol'skii, N. I. A. Buben, Khim. vys. energ. 1 no. 1 71-77 Ja-F '67.
Photometric determination of scandium in the presence of rare earth elements using homogallion. M. K. Akhmedli, D. G. Gamberov, Zhur. anal. khim. 22 no. 2 276-278 F '67.
Studying the effect of heat treatment on the photoluminescence of glasses. S. M. Brekhovskikh, I. U. N. Viktorova, V. I. Shchubskii, Zhur. prikl. spekt. 6 no. 4 555-556 Ap '67.
Using luminescence in cartography. E. I. Shurlov, Geod. i. kart. no. 3 62-67 Mr '67.
- LUMINESCENT SUBSTANCES**
Nature of luminescence of sodalite. L. I. Antkina, T. S. Dobolubskaya, A. V. Kariakina, Geokhimiya no. 2 256-259 F '67.
- LUNAR ECLIPSES** see Eclipses, Lunar
- LUNAR PROBES**
The moon shows. I. U. Khodarev, A. Selivanov, Av. i. kosm. no. 4 12-15 Ap '67.
- LUNGS—ABNORMALITIES AND DEFORMITIES**
Isolated hypoplasia of a lung lobe and its diagnosis. I. A. Sanpter, I. I. Popov, Vest. rent. i. rad. 12 no. 2 11-45 Mi-Apr '67.
- LUNGS—CANCER**
Angiographic changes of the pattern in pulmonary cancer. L. S. Grakova, Vop. onk. 13 no. 4 70-72 '67.
Case of simultaneous development of two primary cancers of the lung in a patient. N. I. Rybakova, L. P. Fikhnova, Vest. rent. i. rad. 12 no. 2 95-98 Mr-Apr '67.
- Cytological study of the contents of the pleural cavity during surgery for cancer of the lung. A. S. Barchuk, Vop. onk. 13 no. 3 44-51 '67.
Experimental reproduction of pulmonary cancer in rats by means of intratracheal introduction of 1, 2, 3, 5, 6-dibenzanthracene. N. A. Lanyshova, N. V. Balenko, N. K. D'lonakova, Vop. eksp. onk. no. 2 38-42 '66.
Late results of repeated operations for femoral cancer metastasizing into the lungs, a case report. A. P. Kolesov, Vop. onk. 13 no. 3 96-98 '67.
Significance of the azgyo-hemilazzyography in the evaluation of the operability of patients with cancer of the lungs. B. K. Shurov, Vest. rent. i. rad. 12 no. 2 23-30 Mi-Apr '67.
Significance of tomography in the diagnosis of a small peripheral cancer of the lungs. L. A. Guevich, Vest. rent. i. rad. 12 no. 2 19-23 Mi-Apr '67.
X-ray diagnosis of military carcinomatosis of the lungs. G. A. Burdachenko, G. O. Grigorina, Vest. rent. i. rad. 12 no. 2 98-101 Mi-Apr '67.
- LUNGS—DISEASES**
Yampol'skaya, V. D., and N. I. Khuramovich. [Angio- and bronchography in tuberculosis and some other lung diseases] Angio- i. bronkhografiya pri tuberkuleze i nekotorykh drugikh zabolevaniyakh legkikh. Moskva, Meditsina, 1967, 435 p.
(DNLM)
Surgical treatment of suppurative pulmonary diseases in young children. A. Blezins, J. Gaujens, Khirurgiya 43 no. 4 43-47 Ap '67.
- LUNGS—DUST DISEASES**
Role of industrial dust of andesite, barite, and lithopone in the incidence of pneumoconiosis. G. Z. Piskheleaur, S. P. Kiplani, Sov. med. 27 no. 6 136-138 Ag '63.
Sudanophilic inclusions in the macrophages of impurities of pulmonary tissues in rats under normal conditions, in alimentary fat load and experimental silicosis. L. G. Babushkina, Biol. eksp. biol. med. 63 no. 4 116-118 Ap '67.
- LUNGS—FOREIGN BODIES**
Gunshot wound with a prolonged stay of a foreign body in pulmonary tissue. N. K. Borisova, P. A. Spasenskaya, Vest. rent. i. rad. 12 no. 2 101-103 Mi-Apr '67.
- LUNGS—HYDATIDS**
Results of surgical treatment of echinococcosis. V. E. Vartanian, Khirurgiya 43 no. 4 64-68 Ap '67.
- LUNGS—RADIOGRAPHY**
Changes in the depth of the stratification of the tomographic layer of the lungs depending on the phase of respiration. I. U. D. Raps, Vest. rent. i. rad. 12 no. 2 38-41 Mi-Apr '67.
- LUNGS—SURGERY**
Bilateral resection of lungs in tuberculosis. P. P. Orshkin, F. G. Novikov, I. I. Dananov, Voen.-med. zhur. no. 3 42-41 Mr '67.
- LUNGS—TUMORS**
Comparative characteristics of blood serum proteins in benign and malignant diseases of the lungs. N. A. Shurina, Sov. med. 30 no. 3 113-114 Mi '67.
Tomography in the study of vessels of pulmonary circulation in tumors of the lungs and mediastinum. K. B. Filimonov, S. S. Kolesov, Vest. rent. i. rad. 12 no. 2 11-19 Mi-Apr '67.
- LUPENOL**
Case of anomalously high content of lupenol in white birch bark. G. A. Tolstikov and others, Zhur. prikl. khim. 40 no. 4 820-821 Ap '67.
- LUPINE**
Embedding depth of lupine seeds. V. Boginich, G. Zhuravlev, Zenitella 20 no. 4 40 Ap '67.
- LUPUS ERYTHEMATOSUS**
Komov, O. P., ed. [Lupus erythematosus] Krasnaya volchinka. Minsk, "Belarus", 1967, 142 p.
(DNLM)
- LVOV—ACCOUNTING**
Improve the efficiency of accounting and analysis. P. Evseev, Bukh. uch. 26 no. 4 9-11 Ap '67.
- LVOV—AUTOMOBILE INDUSTRY—MANAGEMENT**
Climate of the enterprise and the worker's honor. I. Pavlov, V. Polynin, Sov. profsoyuz. 23 no. 4 6-8 F '67.
- LVOV—EFFICIENCY, INDUSTRIAL**
Efforts of party organizations to promote efficiency suggestions and inventions. P. T. Buhalenko, Vysnyk L'viv. un. Ser. susp. nauk. no. 2 53-58 '66.
- LVOV—PRODUCTION ENGINEERING**
Scientific organization of labor and production at the L'viv Motor-Loader Plant. B. A. Rozenblat, Tekhn. org. proizv. no. 2 39-42 Mi-Apr '67.
- LVOV—TELEVISION—EQUIPMENT AND SUPPLIES**
From the economic reform practice. A. Bevriuk, A. Khochizh, Fin. SSSR 11 no. 4 68-60 Ap '67.

- LYOV PROVINCE—DAIRYING—ECONOMIC ASPECTS**
Protein margin in the output of milk on the collective farms of Lyov Province. M. M. Pavlychenko. *Vysnyk L'viv. univ. Ser. susp. nauk* no. 2 88-94 '66.
- LYOV PROVINCE—EXCAVATIONS (ARCHAEOLOGY)**
Ancient settlements near the villages of Dobrostay and Strach in Lyov Province. O. O. Ralych. *Arkhologia* 20 227-229 '66.
- LYOV PROVINCE—FINANCE**
On co-ops. K. Kuznetsov. *Fin. SSR* II no. 1 70-73 Ap '67.
- LYOV PROVINCE—MACHINERY INDUSTRY**
Changes in the expenditure of materials per production unit under the conditions of technological progress. Z. H. Vatsymuk. *Vysnyk L'viv. univ. Ser. susp. nauk* no. 2 74-80 '66.
- LYOV PROVINCE—PUBLIC PROSECUTORS**
Experience in the direction of general supervisory work. A. Pronin. *Sots. zakon* no. 3 51-55 Mr '67.
- LYOV PROVINCE—SECTS**
Some signs of the modernization of religious ideology. N. M. Kozachyn. *Vysnyk L'viv. univ. Ser. susp. nauk* no. 2 137-143 '66.
- LYOV PROVINCE—SOCIALIST COMPETITION**
The development of interfactory socialist competition in the industrial enterprises of the city of Lyov and Lyov Province, 1959-1961. P. H. Lytvyn. *Vysnyk L'viv. univ. Ser. susp. nauk* no. 2 37-40 '66.
- LYOV REGION—GAS, NATURAL—GEOLOGY**
Hydrogeological closure of subsurface and prospects for finding oil and gas in Lyov Paleozoic Depression based on hydrochemical data. P. P. Nedbailo, T. M. Selitskyi. *Dop. AN URSR Ser. B* 29 no. 3 214-217 Mr '67.
- LYOV REGION—PETROLEUM GEOLOGY**
Hydrogeological closure of subsurface and prospects for finding oil and gas in Lyov Paleozoic Depression based on hydrochemical data. P. P. Nedbailo, T. M. Selitskyi. *Dop. AN URSR Ser. B* 29 no. 3 214-217 Mr '67.
- LYOV-VOLYN' BASIN—COAL GEOLOGY**
Hydrogeological features of the Carboniferous in the Lyov-Volyn coal basin. K. M. Varava. *Geol. zhur.* no. 6 94-98 '60.
- LYOV-VOLYN' BASIN—COAL MINES AND MINING—PRODUCTION STANDARDS**
Rapid conveyor-mined heading at the "Novovolynskaya" No. 7 Coal Mine. E. F. Romanuk, V. I. Mashkin, Ugol'nik, II no. 2 21-22 Mr '67.
- LYOV-VOLYN' BASIN—COAL MINES AND MINING—SAFETY MEASURES**
Efficiency of the degasification of worked-out sections of Lyov-Volyn' Basin coal mines. V. I. Kravets, V. F. Selitskiy, I. G. Tretych. *Ugol'nik*, II no. 2 41-46 Mr '67.
- LYOV-VOLYN' BASIN—WATER, UNDERGROUND**
Hydrogeological features of the Carboniferous in the Lyov-Volyn coal basin. K. M. Varava. *Geol. zhur.* no. 6 94-98 '60.
- LYAUV (TAJIKISTAN)—AGRICULTURAL WORKERS—DISEASES AND HYGIENE**
Concern for the cotton grower. Kh. Davlatov. *Okh. truda i sots. stakh.* 10 no. 4 9 Ap '67.
- LYMPH**
Effect of camphor and its mixture with mesitane on lymph secretion in dogs following massive bloodlettings replaced by isotonic solution of sodium chloride. I. P. Safonov. *Farm. i toks.* 30 no. 2 163-169 Mr '67.
- LYMPHADENOMA** see Hodgkin's disease
- LYMPHATICS**
Effect of homologous globulin on the reaction of plasma cells in lymphatic nodes. N. I. Beltanchikova. *Biul. eksp. biol. i med.* 83 no. 4 58-70 Ap '67.
- Intraorganic lymphatic bed of the perosteum of bones of the upper extremity. M. D. Gatsatov. *Ark. anat.*, glist. i embr. 52 no. 4 77-77 Ap '67.
- Lymphatic bed of the heart in rabbits under normal conditions and in experimental pathology. M. G. Amosov. *Ark. anat.*, glist. i embr. 52 no. 4 77-88 Ap '67.
- Pathways of the outflow of lymph from the breast in women. L. I. Gordeeva, G. V. Bilanishvili. *Ark. anat.*, glist. i embr. 52 no. 4 32-39 Ap '67.
- Reactive changes of the lymphatic nodes in cancer of the cervix uteri. V. K. Vinnitskaya. *Vop. eksp. onk.* no. 2 222-227 '66.
- Study of the state of frozen transplants and reaction of regional lymphatic nodes in auto- and homotransplantation. L. S. Sesslavina, L. A. Danilova, A. G. Fedotenkov. *Biul. eksp. biol. i med.* 63 no. 4 86-89 Ap '67.
- LYMPHATICS—DISEASES**
Latent infection in the lymphatic nodes in some surgical diseases. N. V. Shilben. *Khirurgiya* 43 no. 1 37-39 Ap '67.
- LYMPHATICS—RADIOGRAPHY**
Automatic device for direct lymphography of the extremities. I. S. Sukhvatykh, I. N. Khasnikov, V. N. Gavruk. *Vest. iunt. i rad.* 12 no. 2 88-89 Mr-Apr '67.
- LYMPHOCYTES**
Autoradiographic study of nuclear protein synthesis. Report No. 2. Evidence of nuclear protein synthesis presence at various stages of mitotic cycle in human blood lymphocyte culture. L. A. Levina, I. M. Shapiro. *Genetika* no. 3 154-160 Mr '67.
- LYOPLAZATION**
Study of the state of frozen transplants and reaction of regional lymphatic nodes in auto- and homotransplantation. L. S. Sesslavina, L. A. Danilova, A. G. Fedotenkov. *Biul. eksp. biol. i med.* 63 no. 4 86-89 Ap '67.
- LYRIC POETRY**
Analyzing the language and contents of lyrical poems. I. A. Ageikin, G. N. Rakitchenko. *Nach. shkola* 35 no. 4 28-32 Ap '67.
- LYSENKO, MYKOLA VITALIOVYCH, 1842-1912**
The sun of Ukrainian music. IU. Rozanova. *Sov. voln.* 49 no. 5 41 Mr '67.
- LYSINE**
Some data on "degeneration" of lysine mRNA in relation to code degeneration. R. N. Glebov and others. *Dop. AN SSSR* 165 no. 6 1427-1430 D '65.
- LYSOL**
The results of treating cholesteatoma of the middle ear with a sodium sulfate-lysol solution. A. V. Varshavskii. *Zh. ucheb. i nauch. i gor. bol.* 20 no. 2 68-71 Mr-Apr '60.
- LYXOSE**
D-arabinose and D-lyxose metabolism in *Torulopsis candida* yeast. IU. N. Katsenich. *Dop. AN SSSR* 173 no. 2 145-146 Mr '67.
- MACHINE ACCOUNTING**
Automation of accounting calculations on electronic computers. A. G. Aliev, Z. A. Karagezov. *Za. tekhn. prog.* 7 no. 3 11-14 Mr '67.
- Machine accounting in Volga Shipping Company enterprises. IU. Chichvarin. *Bukh. uch. i chet.* no. 1 45-50 Ja '67.
- Mechanization of accounting is a primary task. P. Bogatyrev. *Bukh. uch. i chet.* 26 no. 4 3-8 Ap '67.
- Sinlavina, V. S.** [Machine processing of accounting information in electric equipment industry enterprises, practice of the V. V. Kulyshev Electric Equipment Plant in Moscow] *Mekhanizirovannaya obrabotka uchebnoy informatsii na prikladnykh elektrotekhnicheskikh primenyeniakh*; opyt Moskovskogo elektrozavoda imeni V. V. Kulysheva. Moskva, Statistika, 1966. 143 p.
- Smirnov, V. D.** [Rural computing bureau] *Sel'skoe mashinostroitelnoe blno*. Moskva, Statistika, 1966. 101 p.
- MACHINE MOLDING (FOUNDING)**
(see also subdivision under Kuznetsk Basin)
New technology for producing castings of stainless steel fittings using overall mechanization of industrial processes. R. Ruchin. *Trudy MNIPTMASI* no. 1 43-53 '63.
- MACHINE PARTS**
Construction and repair of glued guides. K. P. Dolgov, D. G. Nizhnik. *Stan. i instr.* 38 no. 3 18-20 Mr '67.
- Increasing the durability of parts made of G13L steel. P. F. Parasluk. *Stroitel. dor. mash.* 12 no. 4 37-38 Ap '67.
- Ivanov, M. N.** [Machine parts] *Detali mashin*. Izd. 2. Moskva, Vysshaya shkola, 1967. 430 p.
- Using a nomogram in determining the weight of machine parts shaped like bodies of revolution. N. N. Koptev. *Vest. mashinost.* 17 no. 4 37 Ap '67.
- Verbovskii, G. G.** [Machine parts] *Detali mashin*. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1967. 334 p.
- MACHINE PARTS—CORROSION**
Conservation of parts for a long storage period. S. Z. Ievin and others. *Mashinostroitel'* no. 4 29 Ap '67.
- MACHINE PARTS—TESTING**
Checking the coaxiality of the spindle axis of a unit head with the axis of the jig bushing. D. F. Nikadimov. *Izv. vyz. ucheb. zav., mashinost.* no. 2 131-135 '67.
- MACHINE PARTS—VIBRATION**
Unit for determining the logarithmic decrement of the vibration of flat parts. P. A. Averchenko, V. G. Suvorov. *Tekhn. org. proizv.* no. 2 110-113 Mr-Apr '67.
- MACHINE PARTS—WASHING**
Machine for washing parts. G. V. Grechaniuk, *Biul. tekhn. ekon. inform. Gos. nauch.-issled. inst. nauch. i tekhn. inform.* 20 no. 4 15-16 Ap '67.
- MACHINE-SHOP PRACTICE**
Automatic orientation of flat parts. A. N. Ralitskiy, V. T. Stognushenko. *Tekhn. org. proizv.* no. 2 105-111 Mr-Apr '67.
- Basic conditions for the assembling of parts in automatic pressing. IU. V. Kulagin. *Izv. vyz. ucheb. zav., mashinost.* no. 1 158-162 '67.
- Durability of the joint of press and heat fitted parts. G. I. Andreev and others. *Tekhn. org. proizv.* no. 2 113-114 Ap '67.
- Efficient methods for reducing the time for preparing tools in small lot and experimental production. K. M. Prizhenko. *Tekhn. org. proizv.* no. 2 36-39 Mr-Apr '67.
- Kriplivskii, N. N.** [General course of machine-shop practice] *Osnovnykh kurs slesarnogo dela*. Izd. 2. 11, 1. dop. Leningrad, Mashinostroenie, 1967. 400 p.
- Krylov, V. A.** [Fundamentals assembly work] *Osnovnykh montazhnogo dela*. Moskva, Vysshaya shkola, 1967. 368 p.
- Selecting optimum thickness of glue layer and the nature of surface machining in assembling glued parts. V. M. Khamlev. *Izv. vyz. ucheb. zav., mashinost.* no. 1 5 170 '67.
- MACHINE SHOPS**
The working area. K. Sukhorukov. *Tekhn. i obrab. izv.* no. 3 24-25 Mr '67.
- MACHINE THEORY**
Asymptotic estimation of the number of finite automata. A. D. Korshunov. *Kibernetika* no. 2 12-19 Mr-Apr '67.
- Construction of a finite set of vectors of convex and concave inequalities. V. D. Mazurov. *Kibernetika* no. 2 56-59 Mr-Apr '67.
- Methods for performing tag inversions in a random access memory. V. P. Glushin, S. A. Koltsova. *Kibernetika* no. 2 45-55 Mr-Apr '67.
- Optimization of automata with concluding state with cycles. IU. G. Shukutina. *Kibernetika* no. 2 27 15 Mr-Apr '67.
- Practical application of the criterion of the number of resolvable arguments for rational choice of signs. V. S. Volokhov. *Avtomatika* 12 no. 1 22-20 Ja '65.
- Simulation of discrete automata using electronic digital computers. A. A. Utkin. *Vychisl. i avtom. 25 74 '66.*
- Two corrections on the article "Some equivalences in the theory of probability automata." R. G. Bukharinov. *Izv. zap. Kaz. un.* 125 no. 6 110 '66.
- Use of structural redundancy for increasing the reliability of computers. E. N. Tutula. *Vychisl. i avtom. 25 19-20 Ja '66.*
- MACHINE-TOOL INDUSTRY—MANAGEMENT**
The 50th anniversary year. *Stan. i instr.* 38 no. 3 12 Mr '67.
- In the Ministry of the Machine-Tool and Cutting-Tool Industry of the U.S.S.R. *Mekh. i avtom. i obrab.* 21 no. 4 49 '67.
- In the Ministry of the Machine-Tool and Metal-Cutting-Tool Industry. *Vest. mashinost.* 47 no. 4 87 Ap '67.
- Plan of the anniversary year should be carried out ahead of schedule. *Stan. i instr.* 38 no. 5 1-2 My '67.
- MACHINE TOOLS**
(see also subdivision under Erivan)
Modernizing the 675 and 676 machine tools for machining racks. G. G. Atkate. *Stan. i instr.* 38 no. 4 43 Ap '67.
- New machine tools. *Stan. i instr.* 38 no. 3 14-16 Mr '67.
- New machine tools. *Stan. i instr.* 38 no. 4 44-45 Ap '67.
- Semiautomatic vibratory machine tools. S. Kocherlar. *Prom. Arm.* 10 no. 2 63-66 '67.
- MACHINE TOOLS—ATTACHMENTS**
Advanced technological equipment. V. F. Zhadnovich. *Stan. i instr.* 38 no. 5 34-38 My '67.
- Hydrocopying attachment for milling and grinding guides of heavy machine tools. V. I. Gorchushchev. *Vest. mashinost.* 47 no. 4 57-58 Ap '67.
- Konstantinov, O. I. A.** [Design methods and basic recommendations on the manufacture of attachments with barium oxide magnets] *Metodika rascheta i osnovnye rekomendatsii po konstruirovaniyu prisoobleniy s oksidno-barietovymi magnitami*. Leningrad, 1966. 34 p. (Leningradskii dom nauchno-tekhnicheskoi promyshl. Seriya, Progressivnyye metody obrabotki materialov)
- New attachments for machining complex surfaces. S. Tatevosjan. *Prom. Arm.* 10 no. 2 48-49 '67.
- Standard mechanisms and units for machine tools. V. P. Zhedi. O. N. Tatur. *Stan. i instr.* 38 no. 5 31-34 My '67.
- MACHINE TOOLS—DESIGN AND CONSTRUCTION** see subdivision under Kolomna
- MACHINE TOOLS—ELECTRIC DRIVING**
Investigating the drive of the attachment for automatic machining of cams. M. M. Kuznetsov, A. N. Petrov. *Izv. vyz. ucheb. zav., mashinost.* no. 1 162-165 '67.
- Stability of controlled electric drive of the main movement. IU. I. Morgovskii. *Stan. i instr.* 38 no. 4 11-13 Ap '67.

MAGNESIUM SULFITES

Effect of inhibitors on the oxidation of magnesium sulfite to magnesium sulfate by atmospheric oxygen in the presence of nitrogen oxide traces. M. G. Mantel'yan and others. Zhur. prikl. khim. 34 no. 4 934-935 Apr '61.

MAGNESIUM TUNGSTATES—SPECTRA

Electron paramagnetic resonance, spin-lattice relaxation, and optical absorption in magnesium tungstate doped with cobalt. V. A. Atsarkin, S. K. Morshnev, L. I. Polkin. Fiz. tver. tela 9 no. 3 946-950 Mar '67.

MAGNETIC AMPLIFIERS

Analysis of the operation of three-phase choke-type magnetic amplifiers with active-inductive d.c. load. A. G. Zdobik, A. A. Salting. Izv. vys. ucheb. zav. energ. 10 no. 3 11-17 Mar '67.

Calculation of dynamics in systems with push-pull magnetic power amplifiers. A. A. Krasnoproshina, Izv. vys. ucheb. zav. energ. 10 no. 3 102-105 Mar '67.

MAGNETIC ANOMALIES

(see also subdivision under Maya Valley, Khabarovsk Territory, Pacific Ocean; Ukraine)

Anisotropy of the $\Delta\rho$ -effect in ferromagnetic metals and alloys during the para-process. Yu. I. Ch. Fiz. met. i metalloved. 23 no. 3 400-404 Mar '67.

Device for the interpretation of geophysical anomalies EIP-2. V. A. Krasnikov, B. S. Stepanov. Geofiz. app. no. 3 119-122 '67.

Magnetic map of the Brazilian anomaly. L. V. Kononova, V. I. Nalivaiko. Geomag. i aer. 7 no. 2 394-395 Mar '67.

MAGNETIC CIRCUITS

Calculation of transients in electrical networks with steel using directed graphs. V. M. Bludko, T. T. Rozum. Izv. vys. ucheb. zav. energ. 10 no. 4 41-45 Apr '67.

Determination of different magnetic states of branched ladder-type cores. M. B. Gendler, M. A. Rozenblat, Avtom. i telemek. no. 1 101-110 Apr '67.

Effect of the pressing-in of a magnetic circuit on the electromagnetic characteristics of power transformers. I. A. Elngorn. Elektrotehnika 38 no. 4 45-52 Apr '67.

Method for measuring hysteresis and eddy current losses in sectors of ferromagnetic structures. A. E. Cherenkov. Elektromashinost. i elektroobor. no. 4 91-100 '66.

Movement of the monopole in the field of a magnetic dipole. L. I. Dorman, I. I. Okulov. Geomag. i aer. 7 no. 2 269-277 Mar '67.

Simulation of the magnetic circuits of traction motors with pulsating current. G. A. Vasil'ev. Izv. vys. ucheb. zav. elektromekh. no. 3 258-259 Mar '67.

MAGNETIC FIELDS

(see also subdivision under Franz Josef Land)

Causes of the effect of a pulsed magnetic field on martensitic transformations in steel and alloys. P. A. Malinen and others. Fiz. met. i metalloved. 23 no. 3 535-542 Mar '67.

Effect of constant magnetic fields on the current-voltage characteristics of electrochemical cells. L. Z. Gak. Elektrokhemija 3 no. 2 263-268 '67.

Emitter of the magnetic field of a part in a ferromagnetic unit. V. A. Bedreidinov, A. K. Denol', V. B. Zoln. Mekh. i avtom. proizv. 21 no. 4 21-22 '67.

Hall effect in a pure p-Co. V. F. Bannala, E. M. Gershenson, L. B. Litvak-Gorskala. Fiz. i tekhn. poluprov. 1 no. 4 603-606 Apr '67.

Interaction between magnetized plasmas and a "magnetic barrier." I. U. S. Azovskii, I. T. Gushovskii, V. M. Pistrak. Zhur. tekhn. fiz. 37 no. 4 691-695 Apr '67.

Investigating effect of magnetic field on salt deposition in tubing in exploding oil wells. D. M. Agalarov. Neft. khoz. 43 no. 10 54-57 Oct '65.

Magnetic field distribution in a coaxial plasma injector. P. L. Kovrov and others. Dokl. AN SSSR 172 no. 6 1305-1308 Apr '67.

Movements of loose ferromagnetic loads in traveling magnetic fields. I. U. A. Bokserman, V. F. Roltman. Vop. rud. transp. no. 9 127-133 '65.

Nonlinear phenomena in the operation of a titanium plasma source. E. D. Andriukhina, I. S. Shpigel'. Zhur. tekhn. fiz. 37 no. 5 894-902 May '67.

Principles of the theory of magnetic solenoid conveyors. I. G. Shokman and others. Izv. vys. ucheb. zav. gor. zhur. 10 no. 2 98-101 '67.

Production of a homogeneous magnetic field in a closed volume of arbitrary shape. L. A. Tseitlin. Zhur. tekhn. fiz. 37 no. 3 487-470 Mar '67.

Skin effect in an extremely strong magnetic field. Part I. G. A. Shnererson. Zhur. tekhn. fiz. 37 no. 3 513-522 Mar '67.

Stability of a rarefied plasma in short traps. V. V. Arsenin. Dokl. AN SSSR 165 no. 6 1269-1272 Dec '65.

Study of a plasma generated in a magnetic trap by an ultrahigh-frequency field. A. I. Anisimov and others. Zhur. tekhn. fiz. 37 no. 4 680-690 Apr '67.

Studying the capture of a plasma in a closed trap. B. P. Il'chenko, E. M. Luts'ko, V. B. Zalkind. Zhur. tekhn. fiz. 37 no. 5 858-872 May '67.

Theory of conveying ferromagnetic loads by magnetic fields. I. G. Shokman. Vop. rud. transp. no. 9 122-127 '65.

Theory of transport phenomena in conductors in a strong magnetic field. S. V. Peletminskii, D. D. Tshinkala. Fiz. tver. tela 9 no. 3 790-796 Mar '67.

Unusual waves and plasma waves in the region of the lower hybrid frequency. I. U. N. Dnestrovskii, D. P. Kostomarov, A. A. Chechina. Zhur. tekhn. fiz. 37 no. 3 440-446 Mar '67.

Using the graphical integration method for the construction of current systems of solar-diurnal magnetic variations for very quiet days. N. M. Rudneva. Geomag. i aer. 7 no. 2 352-364 Mar '67.

Variation in the angular and energy distribution in a flux of charged particles crossing a magnetic field. G. E. Geinert. Dokl. AN SSSR 173 no. 3 544-515 Mar '67.

Variational principle for symmetrical magnetohydrostatic fields. F. A. Elmakov. Zhur. tekhn. fiz. 37 no. 5 988-990 May '67.

MAGNETIC FIELDS—PHYSIOLOGICAL EFFECT

Role of different brain formations in electroencephalographic reactions of the rabbit to a constant magnetic field and electro-magnetic fields of ultrahigh and super-high frequencies. R. A. Chizhenkova. Zhur. vys. neiv. delat. 17 no. 2 313-321 Mar '67.

MAGNETIC FIELDS (COSMIC PHYSICS)

Connections between the intensity of the magnetic field and sunspot areas. R. N. Ighsanov. Izv. GAO 24 no. 4 41-50 '66.

Effect of the outer magnetic field on the form of the boundary between a plasma stream and a cavity with a flat dipole. M. V. Samokhin. Geomag. i aer. 7 no. 2 245-254 Mar '67.

Magnetic fields of outer space on the basis of data on the magnetic properties of meteorites. E. G. Guskova, V. I. Pochtarev. Geomag. i aer. 7 no. 2 310-316 Mar '67.

MAGNETIC FORMING

Kononov, E. G., and G. S. Shulev. [Finishing of parts in a magnetic field with ferromagnetic powders.] Chislota obrabotka detalей v magnitnom pole ferromagnitnykh poroshkami. Minsk, Nauka i tekhnika, 1967. 123 p.

MAGNETIC INSTRUMENTS

Adaptors and adjusters for universal magnetic devices O. A. Konstantinov. Mashinostroitel' no. 4 26-28 Apr '67.

MAGNETIC MATERIALS

Analytical solutions of boundary value problems in nonlinear electrodynamics for ferromagnetic media. Part 2. P. M. Kolesnikov. Zhur. tekhn. fiz. 37 no. 3 447-452 Mar '67.

Birefringence of magnetoelastic waves in uniaxial ferromagnets. F. I. Abramskii. Zhur. tekhn. fiz. 37 no. 1 794-797 Apr '67.

Distribution of the magnetic moment density in a ferromagnet near its surface. E. G. Peltov. Fiz. tver. tela 9 no. 3 743-747 Mar '67.

Nonlinear effects in ferromagnets. V. M. Genkin. Fiz. tver. tela 9 no. 4 105-108 Apr '67.

System for automatic regulation of the demagnetizing part of the hysteresis loop of high-permeability materials. N. G. Shul'ga and others. Avtomatiz. proizv. v mashinostroitel'noy prib. no. 4 95-99 '65.

MAGNETIC MATERIALS—THERMAL PROPERTIES

Theory of collective excitation in Heisenberg paramagnets. A. I. Mitsek. Fiz. tver. tela 9 no. 3 710-718 Mar '67.

MAGNETIC MATERIALS—TRANSPORTATION

Principles of the theory of magnetic solenoid conveyors. I. G. Shokman and others. Izv. vys. ucheb. zav. gor. zhur. 10 no. 2 98-101 '67.

Theory of conveying ferromagnetic loads by magnetic fields. I. G. Shokman. Vop. rud. transp. no. 9 122-127 '65.

MAGNETIC MEASUREMENTS

Analysis and compensation of the distortion of the tape winder of a magnetograph. L. A. Biber, M. P. Kirilushin, A. A. Koval'. Trudy VNIIE no. 25 155-162 '66.

Calculation of the e.m.f. of a transformer transducer of magnetic permeability for automatic spectroscopy of structure. B. G. Slobodianskii. Avtomatiz. proizv. v mashinostroitel'noy prib. no. 4 110-115 '66.

Distortions of a signal in a magnetograph with pulse-modulation. L. A. Biber, A. A. Koval'. Trudy VNIIE no. 25 138-154 '66.

Errors in measuring losses in sectors of plane ferromagnetic structures using electromagnetic transducers. A. I. Cherenkov. Elektromashinost. i elektroobor. no. 4 101-106 '66.

Method for measuring hysteresis and eddy current losses in sectors of ferromagnetic structures. A. E. Cherenkov. Elektromashinost. i elektroobor. no. 4 91-100 '66.

Methods for processing the magnetograms of electromechanical processes in automatic information treatment. L. A. Biber, I. A. Karpin. Trudy VNIIE no. 25 163-167 '66.

Multichannel magnetograph for registering electromechanical processes. A. A. Koval'. Trudy VNIIE no. 25 121-135 '66.

Usability of radio astronomy methods in magnetic measurements. M. M. Ivanov, B. M. Tsutsarev. Geofiz. app. no. 3 157-175 '67.

MAGNETIC MOMENTS

Quadratic indirect exchange in yttrium garnet. R. T. Rubinshtein. Fiz. tver. tela 9 no. 3 1267-1275 Apr '67.

Distribution of the magnetic moment density in a ferromagnet near its surface. E. G. Peltov. Fiz. tver. tela 9 no. 3 743-747 Mar '67.

Lapides, L. I. [Remarks on the sum rules for the amplitudes of the Compton effect.] Zamechaniya k summnym dlya amplitud kompton-effekta. [Dubni, 1967] 8 p.

MAGNETIC PROSPECTING

Calculating signal induced in pickup of nuclear logging unit. S. M. Akseiz' od' V. I. Dan. Fiz. i ucheb. zav. no. 1 107-110 '67.

Choice of transmitter for inductive measurement of inductive capacitance of rock samples. V. A. Geol. i geofiz. no. 12 103-107 '66.

Comparability of magnetic field measurements in ferromagnetic and nuclear electromagnetic induction. V. I. Shpil'kov. Geofiz. app. no. 20 10-13 '66.

Construction of basement surface based on data of aeromagnetic survey, as revealed by study in the eastern part of Irkutsk amphitheater. V. I. Shpil'kov, G. G. Rempel', B. A. Mosolov. Geol. i aer. no. 1 108-112 Jan '67.

Division of local and regional anomalies, a three-dimensional problem. V. N. Strakhov. Geofiz. app. no. 12 89-100 '66.

Errors of observation in carrying out magnetic logging work with the aid of various magnetometers. K. A. Kalabashkina. Geofiz. app. no. 20 112-114 '66.

Magnetic resonance in optically oriented media. V. M. Ryzhkov, G. P. Nedonov. Geofiz. app. no. 20 60-63 '66.

MAGNETIC PROSPECTING—EQUIPMENT AND METHODS

Optimal coil-core weight relation in the design of induction magnetic receivers. I. A. Mikhlin. Geofiz. app. no. 20 13-52 '66.

MAGNETIC RECORDERS AND RECORDING

(see also subdivision under Japan)

"Nota" attachment for magnetic tape recorder. I. A. Mikhlin. Radio no. 4 34-35 Apr '67.

"Orbita-1" magnetic tape recorder. V. I. Livanov. Radio no. 1 14-15 Jan '67.

A tourist's companion. P. Gaidal. Radio no. 2 1-11 Feb '67.

MAGNETIC SEPARATION OF ORES

[Application of new physical and physicochemical methods on pulp in mineral dressing.] Plimenennoye primeneniye fiziko-khimicheskikh i fiziko-khimicheskikh vozdeystviy na pulpu pri obogashchenii poleznykh iskopaemykh. Minsk, Nauka, 1967. 78 p.

MAGNETIC STORMS

(see also subdivision under Arctic regions, Bering regions)

Duration of the initial phase of a geomagnetic storm. M. G. Anisimovich. Geomag. i aer. 7 no. 2 311-312 Mar '67.

Effect of the decrease of intensity of the magnetic field of cosmic rays during magnetic storms on the sudden onset. L. V. Kuznetsov and others. Fiz. tver. tela 9 no. 2 250-264 Mar '67.

Magnetic activity in the middle and low latitudes during the period of IGY. I. A. I. Feldshtein, I. A. I. I. T. P. Pirogovskaya. Geomag. i aer. 7 no. 2 114-115 Mar '67.

Microstructure of a disturbed solar-diurnal geomagnetic field. Geomag. i aer. 7 no. 2 304-309 Mar '67.

Stability of earth's radiation belts. B. A. Gerasimov. Geomag. i aer. 7 no. 2 226-232 Mar '67.

Topology of the geomagnetic field at the distance of 10¹⁰ km by data of "Elektron-2." A. D. Shevchenko. Geomag. i aer. 7 no. 2 328-333 Mar '67.

MAGNETIC TESTING

Check of residual voltages in a cold-worked metal. V. G. Pastynnikov, I. U. V. Likhachev. Izv. vys. ucheb. zav. elektromekh. no. 3 330-341 Apr '67.

Efficiency of the magnetographic method for testing welded joints in boiler units. V. I. Kozlov, I. N. Ermolov. Svar. proizv. no. 4 145-148 Apr '67.

MAGNETISM, TERRESTRIAL

Analytical representation of a geomagnetic field. I. V. Kropachev, V. I. Kolesova. Geomag. i aer. 7 no. 2 390-393 Mar '67.

Analytical representation of the geomagnetic field according to data from the artificial earth magnetism "Kosmos-49." Part I. L. O. Turunina, I. N. I. Geomag. i aer. 7 no. 2 264-268 Mar '67.

Applicability of analog-digital transformation in processing microvariations of earth's electromagnetic field. V. A. An. Izv. AN SSSR. Fiz. zem. no. 3 104-108 Apr '66.

Compensator of magnetic perturbations due to electric railroads. V. I. Mukhlina. Geofiz. app. no. 22 7-92 '66.

Generation of electric fields in the magnetosphere and acceleration of aurora particles. V. P. Shilov. Geomag. i aer. 7 no. 2 243-247 Mar '67.

MAGNETISM, TERRESTRIAL (Continued)

- Nonpolar part of the geomagnetic field at the magnetosphere boundary. I. U. D. Kallin, *Geomag. i aer.* 7 no. 2 341-342 Mr-Apr '67.
- Relation between the pulsations of P42 geomagnetic field and the pulsations of the luminosity of auroras. A. N. Namgaladze, O. M. Raspopov, V. K. Rodchik, *Geomag. i aer.* 7 no. 2 376-378 Mr-Apr '67.
- Some estimations of errors originating from the division of a geomagnetic field into the main and anomalous fields. V. N. Lugovenko, *Geomag. i aer.* 7 no. 2 383-390 Mr-Apr '67.
- Stationarity of a random process approximating an anomalous magnetic field. V. N. Lugovenko, *Geomag. i aer.* 7 no. 2 386-388 Mr-Apr '67.
- Studying earth's magnetic field with the aid of radiation belts. S. N. Kuznetsov, *Geomag. i aer.* 7 no. 2 342-344 Mr-Apr '67.

MAGNETISM, TERRESTRIAL—SECULAR VARIATION

- Wandering poles. *Pr. i Prikl. Astr.* 10 no. 2:62 '67.

MAGNETIZATION

- [Acoustic and magnetic treatment of materials] Akusticheskaya i magnitnaya obrabotka veshchestv, Novocherkassk, 1966, 137 p.
- Certain characteristics of the magnetization curves of inhomogeneous superconductors of the second order. A. F. Pchel, N. V. Volkonskiy, *Fiz. i metal. i metalloved.* 23 no. 1:711-743 Apr '67.
- Effect of structural state on magnetic properties of a cobalt-platinum alloy. D. D. Mishin, V. S. Boldenkov, *Fiz. i metal. i metalloved.* 23 no. 3:570-572 Mr '67.
- Effect of thermodynamic fluctuations of magnetization on the width of ferromagnetic resonance line. I. U. M. Akovlev, I. R. Shil'nikov, *Fiz. i metal. i metalloved.* 23 no. 1:178-182 Apr '67.
- Structure and properties of Fe-Co-Ni-Al-Cu alloys in a highly coercive state. G. B. Grunovskiy and others, *Fiz. i metal. i metalloved.* 23 no. 3:411-418 Mr '67.
- Studying the dependence of some properties of magnesium ferrite and manganese ferrites on their composition. R. P. Smolov, I. I. Hrabinkina, *Zhur. tekhn. fiz.* 37 no. 3 575-578 Mr '67.

MAGNETO-OPTICAL EFFECT

- Magneto-optical oscillations of the absorption in germanium crystals free of mechanical stresses. A. V. Vorobeyev, B. P. Zakharovich, R. P. Seleznev, *Fiz. i metal. i metalloved.* 23 no. 4:1085-1088 Apr '67.

MAGNETO-OPTICS

- Effect of Coulomb long-range interaction on the Zeeman effect in dipole-active excitons in cubic crystals. S. A. Movshenko, M. I. Slonimskiy, *Fiz. i metal. i metalloved.* 23 no. 3:130-135 Mr '67.
- Scattering of a thermal beam of hydrogen atoms in the field of a six-pole magnet. A. I. Lvin, *Zhur. tekhn. fiz.* 37 no. 5:906-913 Mr '67.
- Spectral dependence of the Verdet constant in glasses with high concentration of Tb_2O_3 . T. I. Yeliseyev and others, *Zhur. prikl. spekt.* 6 no. 4 552-553 Apr '67.
- Theory of the Zeeman effect in gas lasers. M. N. Rozanov, A. V. Tulub, *Dokl. AN SSSR* 165 no. 6:1200-1203 D '65.

MAGNETOACOUSTIC EFFECT

- Acoustothermal effects in solids. I. U. V. Gulyaev, I. M. Epshtein, *Fiz. i metal. i metalloved.* 23 no. 3:664-671 Mr '67.

MAGNETOELECTRIC MACHINES

- Design of large electromagnet clutches and brakes. B. M. Shtol'nikov, V. G. Morozovskiy, *Elektrotehnika* 38 no. 1:57-60 Apr '67.

MAGNETOHYDRODYNAMIC GENERATORS

- Rizhskoe soveshchanie po magnitnoi gidrodinamike, 5th, 1966. [Magnetohydrodynamic generators; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] MGD-generatory; materialy, predstavlyemye dlia obsuzhdeniya na platom Rizhskom soveshchanii po magnitnoi gidrodinamike (20-25 iyunia 1966 goda). Riga [1966] 130 p.

MAGNETOHYDRODYNAMICS

- Anisothermal plasma flow in a flat magnetohydrodynamic channel. I. U. V. Sanochkin, S. S. Filippov, *PMTF* no. 6, 58-62 N-D '66.
- Electric characteristics of a channel with end electrodes considering potential drop at the electrodes. A. B. Vatazhin, *PMTF* no. 6:63-66 N-D '66.
- Magnetohydrodynamic flows in tubes in the case of a longitudinal electric current. S. A. Reznor, *Prikl. i mat. i mekh.* 31 no. 2:356-362 Mr-Apr '67.
- Nonlinear effect of the formation of a self-sustained high-temperature electrically conducting gas layer in constantly-state processes of magnetohydrodynamics. A. N. Tikhonov and others, *Dokl. AN SSSR* 173 no. 4: 803-811 Apr '67.

MAGNETOHYDRODYNAMICS—CONGRESSES

- Rizhskoe soveshchanie po magnitnoi gidrodinamike, 5th, 1966. [Magnetohydrodynamic generators; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] MGD-generatory; materialy, predstavlyemye dlia obsuzhdeniya na platom Rizhskom soveshchanii po magnitnoi gidrodinamike (20-25 iyunia 1966 goda). Riga [1966] 130 p.

- Rizhskoe soveshchanie po magnitnoi gidrodinamike, 5th, 1966. [Magnetohydrodynamic methods in metallurgy; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] MGD-metody v metallurgii; materialy, predstavlyemye dlia obsuzhdeniya na platom Rizhskom soveshchanii po magnitnoi gidrodinamike (20-25 iyunia 1966 g.). Riga [1966] 31 p.

- Rizhskoe soveshchanie po magnitnoi gidrodinamike, 5th, 1966. [Operation of induction pumps and magnetohydrodynamic proportioning units; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966] Eksploataatsii induktsionnykh nasosov i MGD-dozatorov; materialy, predstavlyemye dlia obsuzhdeniya na platom Rizhskom soveshchanii po magnitnoi gidrodinamike (20-25 iyunia 1966 g.). Riga [1966] 32 p.

MAGNETOMETER

- Analysis of the transmission power of a magnetometer with ferromagnetic transmitters. V. G. Ivanov, A. L. Natsiz, *Geofiz. app.* no. 27 93-100 '66.
- Compensator of a temperature shift to zero in magnetometers with ferromagnetic transmitters. V. D. Butsov, I. M. Zhiglavskiy, *Geofiz. app.* no. 27 140-153 '66.
- Cryoscopic stabilization of magnetometer pickups. V. N. Ponomarev, V. I. Utkin, *Geofiz. app.* no. 20 87-90 '66.
- Helium magnetometer. B. F. Amirkhanov, M. V. Ryzhkov, *Geofiz. app.* no. 31:13-19 '67.
- Magnetometer for weak fields on the basis of an InSb Hall transducer. M. V. Arustamova, V. M. Potinov, S. Sukhanov, *Geofiz. app.* no. 26 15-19 '65.
- Measurements by means of an elastic magnetometer. D. C. Hermitz, *Geofiz. app.* no. 31:58-62 '67.
- Methods to reduce the methodological error of a compensator of inductive disturbances. I. U. M. Osipov, *Geofiz. app.* no. 31 181-187 '67.
- Performance of magnetometric instruments in the tropics. I. I. Bellayev, *Geofiz. app.* no. 31:197-199 '67.
- Possibility of a narrowing down of the magnetic resonance line in a helium magnetometer. B. F. Amirkhanov, V. M. Ryzhkov, *Geofiz. app.* no. 26 20-25 '65.
- Protection of the rubidium vapor magnetometer. V. D. Lomany, B. M. Ivanovskiy, *Geofiz. app.* no. 31 31-31 '67.
- Stabilizable feeding circuit for an MTL-62 station. A. A. Eliseev, G. M. Samov, *Geofiz. app.* no. 20 118-130 '66.
- Two-component magnetometer for magnetic surveying at sea. N. V. Rusanova, *Geofiz. app.* no. 20 74-81 '65.

MAGNETORESISTANCE

- Effect of an electric field on the magnetoresistance and Hall effect in polar semiconductors with a nonparabolic dispersion law. N. N. Grigor'ev, I. M. Dykman, P. M. Tomchuk, *Fiz. i tekhn. poluprov.* 1 no. 1 132-135 Jan '67.
- Effect of the concentration gradient of current carriers in InSb on the field dependence of the magnetoresistance and of the Hall effect. O. Mosnau, *Fiz. i tekhn. poluprov.* 1 no. 3:391-396 Mr '67.
- Negative magnetoresistance in n-gallium arsenide doped with copper. O. V. Emel'yanenko and others, *Fiz. i tekhn. poluprov.* 1 no. 3:333-334 Mr '67.

MAGNETOSTRICTION

- Prospects for using magnetostrictive devices in mining industry. V. O. Mal'chenok, K. I. Ivanov, *Geofiz. i aer.* 142 no. 3:42-45 Mr '67.

MAGNETRONS—MAINTENANCE AND REPAIR

- Some particulars of maintenance of magnetrons. S. I. Braude, *Vest. protivovozd. obr.* no. 3 66-70 Mr '67.

MAGNETS

- Injection magnets of the electron-position storage device VEPP-2. T. A. Vasovozhskaya, V. N. Pulin, G. L. Shil'vestrov, *Atom. energ.* 22 no. 3:210-215 Mr '67.
- Konstantinov, O. I. [Design methods and basic recommendations on the manufacture of attachments with barium oxide magnets] Metodika rascheta i osnovnye rekomendatsii po konstruirovaniyu prisoobsheniya s oksidno-barievymi magnitami. Leningrad, 1966, 30 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy. Seriya Progressivnye metody obrabotki materialov).
- Stability of permanent magnets from FeNd2 in and FeNd3 in alloys at high temperature. I. I. Rulygina, K. T. Makarova, V. V. Sergenev, *Elektrotehnika* 38 no. 4 40-42 Apr '67.
- X-ray study of the structure of a high-cobalt alloy for permanent magnets in the 800-1200°C temperature range. V. L. Kalkman, V. D. Turon, *Fiz. i metal. i metalloved.* 23 no. 4:730-731 Apr '67.

MAGNETOGORSK—TECHNICAL EDUCATION

- In the Auditorium an innovator of industry speaks. A. N. Sergeev, *Sred. spets. obr.* 13 no. 10:31-33 O '66.

MAIAKOVSKIY, VLADIMIR VLADIMIROVICH, 1894-1930

- Kalitin, N. I. [The word and the times] Slovo i vremia, Moskva, Sov. pisatel', 1967, 308 p.

MAIZE see Corn (Maize)

MAKARENKO, ANTON SEMENOVICH, 1888-1930

- Combination of Gorkii is optimism with strict requirements in A. S. Makarenko's educational work. L. I. Gurevich, *Sov. pedagog.* 31 no. 4:127-132 Apr '67.

MALAYSIA, FEDERATION OF—FOREIGN ECONOMIC RELATIONS—RUSSIA

- In the land of rubber. V. Spandar'yan, *Nov. vrem.* 25 no. 22:21-24 My '67.

MALAYSIA, FEDERATION OF—RUBBER INDUSTRY

- In the land of rubber. V. Spandar'yan, *Nov. vrem.* 25 no. 22:21-21 My '67.

MALEIC ACID

- Copolymerization of maleic and methacrylic acid esters, a new type of binding agent for glass plastics. G. A. Sitnikhman and others, *Zhur. prikl. khim.* 34 no. 4:888-891 Apr '61.

MALEIC ACID—ECONOMIC CONDITIONS

- Recovery from poverty in Mali. A. Rusakov, *Az. i Afr. seg.* 10 no. 5:23-25 My '67.

MALISOV, VIKTOR ALEKSANDROVICH, 1917-1944

- Kirillov, P. P. [To the last battle] Do poslednego dykhanija. Moskva, Voenizdat, 1967, 94 p. (Gerof i podvig)

MALIC ACID

- Photometric determination of molybdenum in niobium and titanium-base alloys using thiomalic acid. L. A. Poliak, I. S. Bashkurova, *Zhur. anal. khim.* 22 no. 2:200-204 T '67.
- Study of some properties of maleic and citric acid esters. N. I. Salit, N. I. Rarum, A. S. Sadykov, *Nauch. trudy TashGU no. 266. Khim. nauki* no. 16 45-50 '66.

MALIK, VLADIMIR

- For life's sake. I. Dumont, *Sov. voen.* 40 no. 5:4-5 Mr '67.

MALIN DISTRICT—PAPER INDUSTRY

- Work results of the Main Paper Factory under new planning and material incentive conditions. V. M. Namiyal'kin, *Lis. hosp., lis. pap. i det. prom.* no. 2 11-13 Mr-Apr '67.

MALONIC ACID

- Condensation products of alkyl- and aryl- α -methoxycarbonylmalonic esters with urea. Zh. I. Bezgudova, O. A. Stepanova, *Ukr. khim. zhur.* 33 no. 3:306-307 '67.
- Synthesis and chemical transformations of some aryl- and alkyl- α -methoxycarbonylmalonic esters. O. S. Stepanova, Zh. I. Bezgudova, *Ukr. khim. zhur.* 33 no. 4 184-187 '67.

MALT

- Use of green malt in brewing. TS. TS. Drizina, A. M. Kalashnikova, *Ferm. i spir. prom.* 33 no. 3:19-22 '67.
- Use of malt grains in the production of food grains. A. IA. Pankratov, T. N. Rukova, *Ferm. i spir. prom.* 33 no. 3:22-25 '67.
- Ways of developing the production of malt in the brewing industry. O. V. Vasilenko, *Ferm. i spir. prom.* 33 no. 3:29-31 '67.

MAMMALS

- (see also subdivision under Kyril Kum)
- New techniques in studying home ranges of small mammals. I. L. Kulik, E. V. Karaseva, V. I. Litvin, *Zool. zhur.* 46 no. 2:264-271 F '67.

MAMMALS—GENETIC RESEARCH

- Use of transplacental reaction in studying intra- and interpopulation variation in mammals. L. M. Shustikova, *Dokl. AN SSSR* 173 no. 4:842-844 Apr '67.

MAMMARY GLANDS

- Reparative regeneration of the mammary gland following local X-ray irradiation. T. N. Nikiforova, *Arkh. anat., gist. i embr.* 52 no. 4:38-45 Apr '67.

MAMMARY GLANDS—CANCER

- Characteristics of two transplantable mice tumors differing in their capacity of metastasizing. N. S. Kiseleva, O. I. Sokova, L. N. Konstantinova, *Vop. onk.* 13 no. 4 46-54 '67.
- Development of induced multiple malignant tumors of the mammary glands. S. M. Slinchak, *Vop. onk.* no. 2 120-133 '66.

MAN—INFLUENCE OF CLIMATE see Subdivision under

MANGANESE ORE FIELD—OIL WELL COMPLETION

Existence and stability of invariant manifolds of point-to-point mappings. I. U. I. Neimark. *Izv. vys. ucheb. zav., radiofiz.* 10 no. 3 311-320 '67.

Integral manifolds of differential equations. I. U. I. Neimark. *Izv. vys. ucheb. zav., radiofiz.* 10 no. 3 321-334 '67.

Structure of a set of points in a one-to-one arrangement in continuous mappings of manifolds. A. P. Savin. *Dokl. AN SSSR* 173 no. 2 287-289 Mr '67.

MANNED SPACE FLIGHT
First orbiting spaceship in the world. N. P. Kamanin. *Zem. i vesol.* no. 2 2-7 Mr '67.

MANOMETER
Use of manometric method for selecting wine yeast. N. B. Ezemberdiev. *Pril. biokhim. i mikrobiol.* 3 no. 2 203-207 Mr '67.

MANPOWER
Some problems in the replacement of the labor force. E. Shaidulova. *Vauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 37-44 '67.

MANTSEV, VASILII NIKOLAEVICH, 1888?-1939
Professional revolutionary, chekist, and statesman. M. D. Rednov. *Ist. SSSR* no. 2 53-58 Mr '67.

MANTULIN, FEDOR, d. 1950
Fedor Mantulin, Bolshevik. *Sov. profsoyuzy* 23 no. 6, 10 Mr '67.

MANUAL TRAINING
(see also subdivision under Ulyanovsk, United States)
Influence of manual training on the students' technical creativity. V. A. Gorelov. *Shkola i proizv.* 11 no. 3, 64-68 Mr '67.

Organization of manual training of senior students in rural schools. A. N. Palitscva. *Shkola i proizv.* 11 no. 3, 31-33 Mr '67.

The subject system of planning the training of students in workshops. V. N. Zaplatin, A. G. Kuznetsov. *Shkola i proizv.* 11 no. 120-26 Ja '67.

Technical simulation is the most important means of polytechnic training of students. A. I. Vorobiev, S. A. Lomanski. *Shkola i proizv.* 11 no. 3 7-13 Mr '67.

MANUFACTURES
Effective placement of new factories of the light industry in the new five-year plan. O. I. Shkuratov, K. Iakovenko. *Leh. prom.* 8 no. 2 3-5 Mr '67.

MANUFACTURES—ABSTRACTS
(Light industry) Ref. zhur. Leg. prom. no. 5 My '67.

MANUFACTURES—ECONOMIC ASPECTS
Improving the planning of the introduction of new machinery. N. A. Adamova and others. *Ich. prom.* 8 no. 2, 1-2 Mr '67.

MANUFACTURES—PATENTS
Patents. *Leh. prom.* 8 no. 2 81-84 Mr '67.

MAO, TSE-TUNG, 1893-
Great-power policy of Mao Tse-tung and his group in the nationality problem. T. Rakhimov. *Kommunist* 44 no. 7 114-119 My '67.

MAP DRAWING—STUDY AND TEACHING
Visual surveying in school. N. A. Tashkova. *Uch. zap. Irp. gos. ped. inst.* no. 20 135-149 '64.

MAP SCALES
Multiscale pantographing in geology. G. D. Udov. *Nefte-gaz. geol. i geofiz.* no. 2 42-45 '67.

MARBLE see subdivision under Ukraine

MARINSK CANAL SYSTEM see Volga-Baltic Sea Waterway

MARINAMYCIN
Study of the radiation-protective effect of marinamycin-like antibiotic 10484 on a model of tumor cells. N. V. Khisunova, L. P. Ivanitskaya. *Antibiotiki* 12 no. 4, 307-312 Ap '67.

MARINE DIESEL ENGINES—FUEL SYSTEMS
Vysotskii, Sh. L., L. G. Gal'perovich, and I. A. Grig'lyaz. [Design of the fuel injection systems of marine diesels]. *Proektirovaniye sistem vpyrsky topliva sudovykh dizелей.* Leningrad, Sudostroeniye, 1967, 283 p.

MARINE ENGINEERING—STUDY AND TEACHING see subdivision under Kherson

MARINE ENGINES see subdivision under Sweden

MARINE ENGINES—LUBRICATION
Comparative evaluation of operational properties of DP-11 and M-12V oils for marine servomotors. V. A. TSinlin, V. V. Shechagin. *Ryb. khoz.* 13 no. 3 19-20 '67.

MARINE ENGINES—MAINTENANCE AND REPAIR

Kuz'min, R. V. [Detection of defects in ship engines]. *Defektatsiya sudovykh mekhanizmov* 12 kuz. Transport, 1967, 173 p.

MARINE FAUNA
Zakharov, I. B. [Monics of the sea]. *Monika morsk.* Moskva, 1966, 15 p. (Lektoria obshchei)

MARINE RESOURCES
Mikhailov, S. V. [Economics of the sea]. *Ekonomika morskogo okeana.* Moskva, Ekonomika, 1967, 272 p.

MARINE PROTESTS
The lodging of marine protests. D. A. Kozlov. *Pril. biokhim. i mikrobiol.* 3 no. 2 203-207 Mr '67.

MARINE SEDIMENTS
Method for calculation of bottom sediments. V. I. Dikoverkii, Khapri. *Inform. Mon. geofiz. i tekhn. URSR* no. 3 211-216 1966.

MARINE SEDIMENTS—ANALYSIS see subdivision under Atlantic Ocean; Leningrad

MARITIME TERRITORY—CACAIA—DEVELOPMENT AND TESTS
Parataphria transitoria Rohd. (Diptera, Tephritidae) forming galls on cacao in Maritime Territory. V. I. Kandybina, O. V. Kovalev, V. A. Rakhimov. *Ist. SSSR* no. 1 113-116 '67.

MARITIME TERRITORY—FAULTS (in OCEANOGRAPHY)
Deep faults in southwestern part of Maritime Territory. V. O. Solov'ev. *Dokl. AN SSSR* 165 no. 4 11-13 D '65.

MARITIME TERRITORY—FRUIT FLIES
Parataphria transitoria Rohd. (Diptera, Tephritidae) forming galls on cacao in Maritime Territory. V. I. Kandybina, O. V. Kovalev, V. A. Rakhimov. *Ist. SSSR* no. 1 113-116 '67.

MARITIME TERRITORY—GEOLOGY, STRUCTURE
Elements of tectonics of Kamchatka. V. I. Kandybina, O. V. Kovalev, V. A. Rakhimov. *Ist. SSSR* no. 1 113-116 '67.

MARITIME TERRITORY—LUMINESCENCE
Forms prompted by life. P. Shvarts. *Sov. fiz. i khim.* 9 no. 2 18 '66.

MARITIME TERRITORY—MERCHANT MARINE
Kirilenko, I. Kh. [The last voyage of "Kala"]. *Ist. SSSR* no. 1 113-116 '67.

MARITIME TERRITORY—RADIOBROADCASTING
Forms prompted by life. P. Shvarts. *Sov. fiz. i khim.* 9 no. 2 18 '66.

MARITIME TERRITORY—SOYBEAN
Large and resistant soybean (Glycine max) in Maritime Territory. Z. I. Maslennikova. *Ist. SSSR* no. 1 113-116 '67.

MARKETING
Planning for the sale of products. I. M. Molodtsov. *S. Zvol'ukala.* Pion khaz. 44 no. 5 17-22 Pt. '67.

MARKETING—COSTS
Role of procurement in improving the efficiency of enterprise work. A. Alechuk. *Mat. tekhn. i fiz. nauch.* no. 4 17-22 Ap '67.

MARKOV PROCESSES
Limit theorem for determining the relationship between transient probabilities of Markov chains. S. A. P. I. K. nov. *Usp. mat. nauk* 22 no. 2 124-128 Mr '67.

Martin boundary of the direct product of Markov processes. S. A. Molchanov. *Usp. mat. nauk* 22 no. 2 129-131 Mr '67.

MARL
Some characteristics of germanium distribution in limestones and marls. S. M. Sedenko. *Dop. Akad. Nauk SSSR* 239 no. 5 439-444 My '67.

MARRAGE CUSTOMS AND RITES see subdivision under Uzbekistan

MARROW
Enzymatic activity of acellular portions of rabbit marrow. V. N. Filippova, L. I. Soldatenkova, T. F. Soltseva. *Ist. SSSR* 173 no. 4 800-802 Ap '67.

Radiation lesion of nuclear structure of bone marrow cells in monkeys. L. P. Kosyachenko. *Mikroscop. i tekhn. URSR* no. 3 211-216 1966.

State of the peripheral blood and bone marrow in patients with diffuse toxic goiter following treatment with ¹³¹I. I. U. Dozoretz and others. *Med. rad.* 12 no. 4 41-44 Ap '67.

MANGANESE—ELECTROMETALLURGY

Existence and stability of invariant manifolds of point-to-point mappings. I. U. I. Neimark. *Izv. vys. ucheb. zav., radiofiz.* 10 no. 3 311-320 '67.

Integral manifolds of differential equations. I. U. I. Neimark. *Izv. vys. ucheb. zav., radiofiz.* 10 no. 3 321-334 '67.

Structure of a set of points in a one-to-one arrangement in continuous mappings of manifolds. A. P. Savin. *Dokl. AN SSSR* 173 no. 2 287-289 Mr '67.

MANNED SPACE FLIGHT
First orbiting spaceship in the world. N. P. Kamanin. *Zem. i vesol.* no. 2 2-7 Mr '67.

MANOMETER
Use of manometric method for selecting wine yeast. N. B. Ezemberdiev. *Pril. biokhim. i mikrobiol.* 3 no. 2 203-207 Mr '67.

MANPOWER
Some problems in the replacement of the labor force. E. Shaidulova. *Vauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 37-44 '67.

MANTSEV, VASILII NIKOLAEVICH, 1888?-1939
Professional revolutionary, chekist, and statesman. M. D. Rednov. *Ist. SSSR* no. 2 53-58 Mr '67.

MANTULIN, FEDOR, d. 1950
Fedor Mantulin, Bolshevik. *Sov. profsoyuzy* 23 no. 6, 10 Mr '67.

MANUAL TRAINING
(see also subdivision under Ulyanovsk, United States)
Influence of manual training on the students' technical creativity. V. A. Gorelov. *Shkola i proizv.* 11 no. 3, 64-68 Mr '67.

Organization of manual training of senior students in rural schools. A. N. Palitscva. *Shkola i proizv.* 11 no. 3, 31-33 Mr '67.

The subject system of planning the training of students in workshops. V. N. Zaplatin, A. G. Kuznetsov. *Shkola i proizv.* 11 no. 120-26 Ja '67.

Technical simulation is the most important means of polytechnic training of students. A. I. Vorobiev, S. A. Lomanski. *Shkola i proizv.* 11 no. 3 7-13 Mr '67.

MANUFACTURES
Effective placement of new factories of the light industry in the new five-year plan. O. I. Shkuratov, K. Iakovenko. *Leh. prom.* 8 no. 2 3-5 Mr '67.

MANUFACTURES—ABSTRACTS
(Light industry) Ref. zhur. Leg. prom. no. 5 My '67.

MANUFACTURES—ECONOMIC ASPECTS
Improving the planning of the introduction of new machinery. N. A. Adamova and others. *Ich. prom.* 8 no. 2, 1-2 Mr '67.

MANUFACTURES—PATENTS
Patents. *Leh. prom.* 8 no. 2 81-84 Mr '67.

MAO, TSE-TUNG, 1893-
Great-power policy of Mao Tse-tung and his group in the nationality problem. T. Rakhimov. *Kommunist* 44 no. 7 114-119 My '67.

MAP DRAWING—STUDY AND TEACHING
Visual surveying in school. N. A. Tashkova. *Uch. zap. Irp. gos. ped. inst.* no. 20 135-149 '64.

MAP SCALES
Multiscale pantographing in geology. G. D. Udov. *Nefte-gaz. geol. i geofiz.* no. 2 42-45 '67.

MARBLE see subdivision under Ukraine

MARINSK CANAL SYSTEM see Volga-Baltic Sea Waterway

MARINAMYCIN
Study of the radiation-protective effect of marinamycin-like antibiotic 10484 on a model of tumor cells. N. V. Khisunova, L. P. Ivanitskaya. *Antibiotiki* 12 no. 4, 307-312 Ap '67.

MARINE DIESEL ENGINES—FUEL SYSTEMS
Vysotskii, Sh. L., L. G. Gal'perovich, and I. A. Grig'lyaz. [Design of the fuel injection systems of marine diesels]. *Proektirovaniye sistem vpyrsky topliva sudovykh dizелей.* Leningrad, Sudostroeniye, 1967, 283 p.

MARINE ENGINEERING—STUDY AND TEACHING see subdivision under Kherson

MARINE ENGINES see subdivision under Sweden

MARINE ENGINES—LUBRICATION
Comparative evaluation of operational properties of DP-11 and M-12V oils for marine servomotors. V. A. TSinlin, V. V. Shechagin. *Ryb. khoz.* 13 no. 3 19-20 '67.

MANGANESE ORE FIELD—OIL WELL COMPLETION
Existence and stability of invariant manifolds of point-to-point mappings. I. U. I. Neimark. *Izv. vys. ucheb. zav., radiofiz.* 10 no. 3 311-320 '67.

Integral manifolds of differential equations. I. U. I. Neimark. *Izv. vys. ucheb. zav., radiofiz.* 10 no. 3 321-334 '67.

Structure of a set of points in a one-to-one arrangement in continuous mappings of manifolds. A. P. Savin. *Dokl. AN SSSR* 173 no. 2 287-289 Mr '67.

MANNED SPACE FLIGHT
First orbiting spaceship in the world. N. P. Kamanin. *Zem. i vesol.* no. 2 2-7 Mr '67.

MANOMETER
Use of manometric method for selecting wine yeast. N. B. Ezemberdiev. *Pril. biokhim. i mikrobiol.* 3 no. 2 203-207 Mr '67.

MANPOWER
Some problems in the replacement of the labor force. E. Shaidulova. *Vauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4 37-44 '67.

MANTSEV, VASILII NIKOLAEVICH, 1888?-1939
Professional revolutionary, chekist, and statesman. M. D. Rednov. *Ist. SSSR* no. 2 53-58 Mr '67.

MANTULIN, FEDOR, d. 1950
Fedor Mantulin, Bolshevik. *Sov. profsoyuzy* 23 no. 6, 10 Mr '67.

MANUAL TRAINING
(see also subdivision under Ulyanovsk, United States)
Influence of manual training on the students' technical creativity. V. A. Gorelov. *Shkola i proizv.* 11 no. 3, 64-68 Mr '67.

MARTENS

Ecological analysis of helminth fauna of wild marlen
A. A. Ploitskaya Uch zap Kaz un 124 no 10 124-
151 '65

MAHX, KARL, 1818-1883

A great ideological legacy. A. Maysh. Kommunist 44
no 4 44-53 My '67

How they established the fact that the first French
edition of "Das Kapital" was reprinted. A. V. Uroeva.
Vop. ist. KPSS 11 no. 5 88-90 My '67

Relationship between revolutionary and democratic
ideology and Marxism O P Vremenskiye Vsiyok
L'viv. un. Scr. susp nauk no 2 144-149 '65

MAHX, JENNY, 1814-1881

Dornemann, Luise. [Jenny Marx. Translated from the
German.] Zhenné Marks, Moskva, Gos. izd-vo polit.
lit-ry, 1962. 166 p.
(OU)

MARY OASIS see Murgab Oasis

MASERS

Design of a rod-type delay system of a maser partially
loaded by an active medium with anisotropic specific
inductive capacitance. I. V. Abazade, E. G. Solov'ev.
Radiotekhnika i elektronika. 12 no. 2 291-302 F '67

Distortion of the frequency characteristics of masers
during saturation. N. V. Karlov and others. Radiotekhnika
i elektronika. 12 no. 2 364-366 F '67

Nonlinear distortions of signals during the saturation of
masers. N. V. Karlov, T. I. Kuznetsova. Radiotekhnika
i elektronika. 12 no. 2 281-293 F '67

MASS SPECTROMETRY

Distribution of intensities in the rotational and vibrational
structures of the first negative system of N_2^+ bands
originating in the dissociation of N_2O by ion impact.
G. N. Polakova, L. M. Fogel'. Khim. vys. energ. 1
no. 2 103-106 Mr-Apr '67

Ionization and dissociation of excited molecules. M. V.
Gur'ev, S. E. Kupriyanov. Khim. vys. energ. 1 no. 2:
91-96 Mr-Apr '67

Mass selection in measuring ion composition of upper
atmosphere. A. F. Chir'kov. Trudy TSOO no 72 67-
72 '66

Mass spectra and structure of organic compounds
Part 14. Phenanthrene and its homologs. A. A. Polakova
and others. Zhur. org. khim. 3 no. 4 608-614 Ap '67

Mass spectra of some oxophthalones and related com-
pounds. L. A. Pavlova, A. A. Polakova. Zhur. org.
khim. 3 no. 1 601-608 Ap '67

Mass spectrometric isotope analysis of organic substances
when ionized by a strong electric field. I. Z. Korosty-
shovskii, I. V. Gol'denshteyn. Dokl. AN SSSR 172 no. 6,
1364-1367 F '67

Mass spectrometric study of carbohydrates. Report
No. 6. Mass spectra of 2, 3, 1, 4-tetra-O-methyl- β -
methyl-D-glucopyranoside and its deuterioacetylated
analogs. N. K. Kochetkov, O. B. Chir'kov, B. M. Zolotarev.
Izv. AN SSSR, Ser. khim., no. 3 537-543 Mr '67

Mass spectrometric study of carbohydrates. Report
No. 7. Mass spectra of 2, 3, 1, 4-tetra-O-methyl- β -methyl-
D-glucopyranoside and its deuterioacetylated analogs. N. K.
Kochetkov and others. Izv. AN SSSR Ser. khim., no. 3
511-519 Mr '67

Mass spectrometric study of tetracycline filices
isolated from ginseng. A. K. Dzelzenko and others.
Dokl. AN SSSR 173 no. 5 1080-1082 Ap '67

Mass spectrometric study of the composition and vapor
pressure of the system $NaF - AlF_3$. L. N. Sidorov and
others. Dokl. AN SSSR 173 no. 2 370-373 Mr '67

Mass spectrometric study of the photolysis of free α -
amino acids. M. E. Akopjan, H. V. Loginov. Khim.
vys. energ. 1 no. 2 97-102 Mr-Apr '67

Mass spectrometric study of vapor composition over
 $TiCl_3 - C$ and $ZrCl_3 - C$ systems. T. S. Starostina and
others. Izv. AN SSSR, Neorg. mat. 3 no. 4 727-728
Ap '67

Mechanism of the formation of new bonds caused by
electron impact with molecules. M. V. Gur'ev, L. V.
Sumin, S. A. Volkov. Khim. vys. energ. 1 no. 1 40-45
Jan-F '67

Method of measuring effective cross sections of the double
charge exchange of low energy positive ions. V. F. Koz-
lov, S. A. Dondar'. Zhur. tekh. fiz. 37 no. 3 642-540 Mr
'67

Quantitative mass spectrometric analysis of monosilane
and monogermane. N. V. Larin, G. G. Devyatikh, I. L.
Agafonov. Zhur. anal. khim. 22 no. 2 285-288 F '67

Separation of primary and secondary particles by mass
spectrometric studies of upper atmosphere. G. M.
Martyukovich. Trudy TSOO no 72 73-84 '66

Solution to some equations characterizing the basic
parameters of a mass spectrometer. G. I. Sibodenjuk.
Zhur. tekh. fiz. 37 no. 5 964-970 My '67

Studying the mechanism of homolytic reactions in solution
by isotopic and mass spectrometric methods.
Part II. Thermal decomposition of phenylazobiphenyl-
methane and nitroacetanilide. I. P. Gragerov, A. F.
Levit. Zhur. org. khim. 3 no. 3 550-554 Mr '67

Thermal decomposition of osmium dioxide. A. B. Nikol's-
kii, G. A. Semenov, E. N. Yashnikova. Zhur. neorg.
khim. 12 no. 4 1078-1088 Ap '67

Using the method of molecular beam modulation to in-
crease the sensitivity of a mass spectrometer. I. U. S.
Rutgaizer. Zhur. tekh. fiz. 37 no. 3 562-165 Mr '67

MASS TRANSFER

Effect of mixing on the process of chemical transforma-
tion in the system gas-liquid. I. S. Pavlushenko, L. N.
Braginskii, V. N. Brylev. Zhur. prikl. khim. 34 no. 4
805-815 Ap '61

Mass transfer at the period of drop formation. A. S.
Zhelezniak. Zhur. prikl. khim. 40 no. 4 870-874 Ap
'67

Mass transfer equation for distillation in a vertically
falling film. V. V. Beloborodov. Izv. vys. ucheb. zav.,
pishch. tekhn. no. 2 127-130 '67

Mass transfer in a pipe with wetted wall during gas phase
mixing. N. N. Kudov, V. A. Malusov. Dokl. AN SSSR
173 no. 4 676-679 Ap '67

Mass transfer in fluidized bed of activated carbon. I. F.
Zemskov. Khim. i nef. mashinost. no. 5 20-29
My '65

Mass transfer in the rectification of ethanol (methanol)-
water mixtures in a column with sieve plates. V. A.
Ivanov, A. N. Planovskii, A. A. Buzayev. Khim. prom.
43 no. 5 565-568 My '67

MASTOID PROCESS—SURGERY

Biological packing in surgery for simple mastoiditis.
M. I. Ovsiannikov. Zhur. uzh. i nos. i gorl. bol. 20 no. 2:
83 Mr-Apr '69

MATE, VASILII VASIL'EVICH, 1856-1917

V. V. Mate's studio. I. Zhilzhova. Iskusstvo 30 no. 3 61-
66 '67

MATERIALS

Using operators of fractional differentiation for describing
hereditary properties of materials. T. D. Shermegoi.
PMTF 6 no. 118-121 N-D '66

MATERIALS—THERMAL PROPERTIES

Determining heat conductivity of various materials.
L. I. Abramov. Biol. tekhn. i ekon. inform. Gos. nauch. -
issl. inst. nauch. i tekhn. inform. 20 no. 4 30-31 Ap '67

MATERIALS AT HIGH TEMPERATURES

Effect of the anharmonicity of atomic vibrations on the
surface condensation of heat capacity. Kh. B. Khokho-
nov. Uch. zap. Kaz. -Balk. gos. un. no. 13 105-108 '61

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. transp.
Avstorski ukazatel' za 1966 g.

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Taubert, B. A. [Grab mechanisms; theory, design, and
construction] Grebnyye mekhanizmy: teoriya, raschet
i konstruktsiya. Izd. 2, dop. Moskva, Mashinostroenie,
1967. 423 p.

MATERIALS MANAGEMENT

(see also subdivision under Yaroslavl Province)
Put all resources in the service of the five-year plan.
B. Kim. Mat. i tekhn. snab. 2 no. 4 70-80 Ap '67

MATERNAL AND INFANT WELFARE—LAW AND LEGISLATION

Kazakhskii nauchno-issledovatel'skii institut okhrany
materinstva i detstva. [Practical advice on the methods
and forms of social and legal work in children's homes
and the institutions of childbirth instruction; a method-
ological letter] Prakticheskie rekomendatsii o metodakh
i formakh sotsial'no-pravovoi raboty v detskikh i rodo-
vospitatel'nykh uchrezhdeniyakh; metodicheskoe pis'mo.
Alma-Ata, "Kazakhstan," 1966. 20 p.
(CSI-II)

MATHEMATICAL ANALYSIS

Asymptotic polynomials and the solution of certain prob-
lems in applied analysis. I. I. Eitman. Uch. zap.
Kaz. -Balk. gos. un. no. 13 122-130 '61

Shvartsburd, S. I., comp. [Mathematical analysis and
algebra] Matematicheskiy analiz i algebra. Moskva,
Prosveshchenie, 1967. 345 p. (Problemy matematicheskoi
shkoly)

MATHEMATICAL CRYSTALLOGRAPHY see Crystallography, Mathematical

MATHEMATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL LINGUISTICS

A method for translating arithmetical expressions in the
ALGOL-60 language. Izv. AN Mold. SSR no. 4 74-77
'66

Some statistical data on sentences in the Tartar language.
T. I. Bragimov. Uch. zap. Kaz. un. 125 no. 6 74-78
'66

Well-translatable and ALGOL-like languages. K. Culik.
NTI, Ser. 2 no. 3 21-23 '67

MATHEMATICAL MODELS

Simulation as a category of the theory of knowledge.
K. B. Batorov. Nauch. dokl. vys. shkoly, filos. nauki
10 no. 2 43-41 '67

MATHEMATICAL OPTIMIZATION

Application of principle of the maximum for optimization
of temperature conditions of a furnace. A. G. Bul'kovskii,
F. M. Goldfarb, E. S. Gaskin. Izv. vys. ucheb. zav., Chern.
met. 10 no. 3 173-177 '67

The "method of penalties" in convex programming. I. I.
Drem'in. Dokl. AN SSSR 173 no. 4 748-751 Ap '67

Optimization of parameters of the multistage thermoele-
ments consisting of semielements of arbitrary shape.
V. P. Babin, I. K. Jordanishvili. Fiz. i tekhn. poluprov.
1 no. 3 149-151 Mr '67

Optimum conditions for the motion of multistage rockets.
V. A. Tiotskii. Kosm. issl. 5 no. 2 176-183 Mr-Apr '67

A problem arising in the theory of optimal planning of
regression experiments. B. L. Granovskii. Izv. vys.
ucheb. zav., mat. no. 4 17-53 Ap '67

Problem of the encounter of motions. N. N. Krasovskii,
V. E. Tretyakov. Dokl. AN SSSR 173 no. 2 285-287 Mr
'67

Synthesis of linear optimal quick-operation processes in
a problem involving a control. O. N. Khishin. Mat.
zap. univ. mat. ob-va UGU 5 no. 2 80-85 '65

Theorem of the existence of optimal control in Boltz's
problem, some of its applications, and the necessary
optimality conditions of gliding and parabolic regimes.
I. B. Vapninskii. Zhur. vych. mat. i mat. fiz. 7 no. 2:
250-283 '67

Theory of simple extremum systems of the self-oscillating
type. N. N. Leonov. Izv. vys. ucheb. zav., radiofiz. 10
no. 3 393-404 '67

Use of the method of point-to-point transformations in
solving optimum control problems in piecewise linear
dynamic systems. A. S. Alekseev, F. F. Minchuk.
Izv. vys. ucheb. zav.; radiofiz. 10 no. 3 372-382 '67

MATHEMATICAL PHYSICS

A. N. Tikhonov's studies on mathematical physics. V. I.
Dmitriev, A. G. Sveshnikov. Usp. mat. nauk. 22 no. 2 136-
140 Mr-Apr '67

Works of A. N. Tikhonov on mathematical physics. A. A.
Samar'skii, V. A. Il'in, A. G. Sveshnikov. Izv. vys. ucheb.
zav.; fiz. 10 no. 2 164-168 '67

MATHEMATICAL PHYSICS—BOUNDARY VALUE PROBLEMS

Approximate solution of problems in mathematical
physics. V. D. Kupradze. Usp. mat. nauk. 22 no. 2 50-
107 Mr-Apr '67

MATHEMATICAL STATISTICS

Economic information on production quality. V. Stak'ov,
B. Belov. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 4
60-73 '67

Efficient distribution of seismic profiles and increasing
effectiveness of geologic prospecting work. M. S.
Arabadzhi and others. Neftgaz. geol. i geofiz. no. 2:
25-26 '67

Some problems of mathematical statistics in geochemical
studies. N. A. Losev, A. V. Nagaev. Nauch. trudy TashGU
no. 273 70-83 '60

Tiun' O. A. [Mathematical statistics in forestry] Mate-
maticheskaya statistika v lesnom khoziaistve. Minsk,
Vysshaya shkola, 1966. 232 p.

Use of the statistical method in determining the uneven
run of a machine. A. O. Vasylenko, O. P. Terekhov. //
Dop. AN URSR no. 1 6-8 '61

Using the methods of mathematical statistics in determin-
ing the weight of an empty aircraft. M. A. Kochegara,
Samokhristov, i tekhn. vozr. flota no. 7 1-11 '66

Verification of statistical hypotheses on type of distribu-
tion according to small samples. I. N. Volodin. Uch.
zap. Kaz. un. 125 no. 6 3-23 '66

MATHEMATICS

(see also subdivision under Moscow)

Using mathematical methods for developing tank farm
management. V. B. Savitskii. Neft. khoz. 43 no. 10:
61-65 O '65

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur.: Mat. no. 5 My '67.

MATHEMATICS—COMPETITIONS

[Mathematical Olympic Games of 1966] Matematicheskaya
Olimpiada 1966 goda. [Sarátov] Izd-vo Sarátovskogo
univ., 1966. 29 p.

MATHEMATICS—CONGRESSES

International Congress of Mathematicians. N. A. Kiseleva.
Nauch. dokl. vys. shkoly; filos. nauki 10 no. 2 177-180
'67

MATHEMATICS—EXAMINATIONS

Results of test papers in mathematics. A. V. Silokova.
Vech. sred. shkola 10 no. 2 103-66 Mr-Apr '67

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

For those who love mathematics. I. U. Metl. Sem'ia i
shkola 21 no. 10 59-60 O '66

MATHEMATICS—PROBLEMS, EXERCISES, ETC. (Continued)

Mazanik, A. A. [Solve it yourself; Interesting problems for students of elementary and 8th-year schools] Reshli sam, interesnye zadachi dlia uchashchikhsia nachal'noi i vos'miletnei shkoly. Minsk, Narodnaya osveta, 1966. 107 p.

MATHEMATICS—STUDY AND TEACHING

Electives in mathematics. O. I. Bekovnev, V. M. Menaklov. So. pedagog. 31 no. 4, 75-81 Ap '67.

First summer school of mathematics and geography. I. U. G. Lipets, T. I. Petushkova. Izv. AN SSSR Ser. geogr. no. 2, 164-165 Mr.-Ap '67.

Generation and propagation of advanced experience in teaching mathematics at schools of Lituisk Province during 1956-1963. V. I. A. Tsepunil. Uch. zap. izk. gos. ped. inst. no. 20, 23-24 '64.

Laboratory studies in mathematics. I. G. Pudisov. Uch. zap. izk. gos. ped. inst. no. 20, 98-106 '64.

Methodology for independent composition of mathematical and algebraic problems. V. A. Nefedev. Uch. zap. izk. gos. ped. inst. no. 20, 24-50 '64.

Mutual relationship between the teaching of physics and mathematics in the eight-year school. G. G. Lushin. Uch. zap. izk. gos. ped. inst. no. 20, 51-58 '64.

Proposed program in mathematics. I. F. Teslenko. Rad. shk. 45 no. 4, 83-85 Ap '67.

Reform in the teaching of mathematics. R. Navarinna. Usp. mat. nauk 22 no. 2, 241-253 Mr.-Ap '67.

Results of the work of the Section of mathematics teachers at the Lithuanian Provincial Scientific and Practical Conference of Teachers and Leading Pedagogues. B. I. Kuznetsov. Uch. zap. izk. gos. ped. inst. no. 20, 89-97 '64.

Ways of perfecting the teaching of elementary mathematics. A. Kolkov. Nach. shkola 35 no. 4, 7-78 Ap '67.

MATRICES

Aggregation method for solving a system of linear equations. B. A. Shchennikov. Dokl. AN SSSR 173 no. 4, 781-781 Ap '67.

Characteristics of the decomposition in bundles of a causal S-matrix. L. Sh. Khodzhaev. Dokl. AN SSSR 173 no. 4, 789-792 Ap '67.

Diagonal elements in matrix spectra. E. I. Sigat. Izv. VNIIO SSSR no. 1, 86-90 '66.

Estimates of Green's matrix of a homogeneous parabolic boundary value problem. S. D. Ivanishin, S. D. El'dekman. Dokl. AN SSSR 172 no. 6, 1262-1265 F '67.

Estimates of the difference between two matrix functions. S. M. Lominskii. Dokl. AN SSSR 172 no. 6, 1266-1269 F '67.

Inversion of matrices of a special type. A. P. Vorob'eva. G. S. Medvedev. Zhur. vych. mat. i mat. fiz. 7 no. 2, 406-408 Mr.-Ap '67.

Matrices of an iterative process of conformal mappings. V. P. Fil'shakova. Dop. AN URSS, Ser. A 29 no. 4, 330-333 Ap '67.

Matrix equations describing the diffusion on radiation. Part 2. R. I. Kostik. Astr. zhurnal 3 no. 1, 17-19 F '67.

Operator minors of a matrix norm. G. R. Bolitskii. Teor. funk., funk. anal. i ikh prilozhi. no. 3, 11-20 '66.

Removal of divergences from a series for the scattering matrix in quantum field theory. V. I. Shchepkina. Teor. funk., funk. anal. i ikh prilozhi. no. 3, 73-80 '66.

Simplified calculation of the trace of a symmetric positive matrix. E. I. Nesis. Uch. zap. Kub. gos. univ. no. 13, 72-74 '61.

Some extremum problems for matrix norms. V. N. Radeeva. Zhur. vych. mat. i mat. fiz. 7 no. 2, 401-404 Mr.-Ap '67.

Some properties of convolutions of infinite matrices. D. A. Kogan. Mat. zap. Ural. mat. ob-va UGU 5 no. 2, 52-58 '65.

Summability of Fourier series by convolutions of infinite matrices. D. A. Kogan. Mat. zap. Ural. mat. ob-va UGU 5 no. 2, 59-65 '65.

Theory of the analytic continuation of exponential series by lower triangular matrices. A. A. Metel'sov. Mat. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

MAXIMA AND MINIMA

Problems with differential connections. Prikl. mat. i mekh. 31 no. 2, 163-163.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

On the convexity of convex functionals. Uch. zap. Ural. mat. ob-va UGU 5 no. 2, 71-79 '65.

MAYAS

A day in a city of ancient Mayas. R. V. Kinzhakov. Sov. etn. no. 2, 145-155 Mr.-Ap '67.

MAYKOP—INSCRIPTIONS

An attempt to decipher the Maykop inscription. L. I. Lavrov. Sov. etn. no. 2, 203-203 Mr.-Ap '67.

MAYMECHA VALLEY—CARBONATITES

New indications of primary-sedimentary origin of carbonatites of Gulinsk intrusion. N. Z. Evzikova, L. N. Pichenko. Dokl. AN SSSR 165 no. 6, 1395-1397 D '65.

MAZUT

Heating of open-hearth furnaces with bituminized mazut. I. U. F. Tikhobayeva, V. G. Tikhobayeva. Metallurg 12 no. 3, 19-20 Mr. '67.

Installation of the UD-1 level meter in mazut tanks. I. U. N. Novozhilov. Energetika 15 no. 3, 25-27 Mr. '67.

MEADOW SAFFRON see subdivision under Uzbekistan

MEASLES

First questions on measles. A. Vasin. Doshk. vosp. 40 no. 4, 62-63 '67.

MEASURE THEORY

Measures on uniform spaces. I. A. Berezanskii. Usp. mat. nauk 22 no. 2, 123-124 Mr.-Ap '67.

Shilov, G. E., and Fan Dyk Tm'. [Integral, measure, and derivative in linear spaces] Integral, mera i proizvodnaya na lineinykh prostranstvakh. Moskva, Nauka, 1967. 192 p.

MEASURING INSTRUMENTS

Device for checking the circularity of precision parts. A. N. Abdulov and others. Stan. i instr. 38 no. 4, 10-12 Ap '67.

Investigating the performance of pulse-position measuring device. V. I. Kudimenko. Stan. i instr. 38 no. 4, 34-35 Ap '67.

Modernization of Viscat instrument. V. A. Skazhennik. Bul. tekhn. inform. Gos. nauch. i issled. inst. nauch. i tekhn. inform. 20 no. 4, 32 Ap '67.

MEASURING INSTRUMENTS—DESIGN AND CONSTRUCTION

RDX explosion-proof equipment. V. I. Zaverzhev, P. G. Glumakov. Mash. i obr. dlia mekh. i avtomatiz. stud. prots. v ugol'noy prom. no. 3, 145-149 '66.

MEASURING INSTRUMENTS—RELIABILITY

Kartashova, A. N. [Reliability of measurements and criteria of the quality of instrument tests] Dostovernost' izmerenii i kriterii kachestva izpylaniy priborov. Moskva, Izd-vo Standartov, 1967. 157 p. chart (insert)

MEAT

Effect of meat fermentation on its sensitivity to gastrointestinal poisons. A. G. Poklad, I. D. Lrtanov. Prikl. biokhim. i mikrobiol. 3 no. 2, 212-214 Mr.-Ap '67.

Effect of proteolytic microbial enzymes on meat. V. Mit'uk and others. Mias. ind. SSSR 38 no. 4, 34-37 Ap '67.

MEAT—STORAGE

Changes in free amino acid content of overcooked meat in storage. N. A. Golovkin and others. Prikl. biokhim. i mikrobiol. 3 no. 2, 184-188 Mr.-Ap '67.

MEAT—TRANSPORTATION

Direct contact and the transportation problem. N. Saltanov. Mias. ind. SSSR 38 no. 4, 17 Ap '67.

MEAT, CANNED

Organizing the production of canned meat at the standard canning plants of the Central Union of Consumers' Societies. S. S. Liberman, Kons. i ov. prom. 22 no. 1, 26-27 Ap '67.

MEAT, FROZEN—STORAGE

Autolytic processes in frozen meat during storage. L. N. Goidzovskii. Izv. vyz. ucheb. zav. i spets. tekhn. no. 2, 40-43 '67.

Storing frozen meat. S. Avetisov. Tyl i snab. Sov. Vost. 81 27 no. 4, 57-59 Ap '67.

MEAT INDUSTRY see subdivision under Leningrad; White Russia

MEAT INDUSTRY—BIBLIOGRAPHY see Bibliography—Meat Industry

MEAT INDUSTRY—CONGRESSES

Conference devoted to the economic reform. Mias. ind. SSSR 38 no. 4, 10-41 Ap '67.

European Congress of Meat Research Institutes, 11th. [Papers. Doklady] Moskva.

[No. 1] Sinitsyn, K. D., S. G. Liberman, and V. L. Petrovskii. [Rapid thermophysical method for dehydrating and defatting technical raw materials in the production of protein-rich livestock feeds] Skorsostnoi termofizicheskiy metod obezvozhivaniia i obezhirivaniia tekhnicheskogo syr'ia pri proizvodstve belkovykh zhivotnykh kormov. 1965. 8 p.

[No. 2] Krasikova, V. L., and others. [Effect of cover pickles on microflora] Viliannie zallvochnykh rassolov na mikrofloru. 1965. 8 p.

[No. 3] Krylova, N. N., and others. [Elimination of smoke in the production of cooked, semismoked and smoked sausages] Iskluchenie dyma iz tekhnologii prigotovleniia varenykh, polukopchenykh i kopchenykh kolbas. 1965. 10 p.

[No. 4] Piv'skaya, V. I. [Changes in pork fat by the influence of high temperatures] Izmeneniia svinoiu zhiro pod deistviem vysokikh temperatur. 1965. 14 p.

[No. 5] Laskovskaya, I. U. N., and L. F. Kol'man. [Evaluation of the quality of the meat of slaughter animals by the content of polyunsaturated fatty acids] Otsenka kachestva miasa uboynykh zhivotnykh po soderzhaniiu polinemyshchennykh kisl. nyykh kisl. 1965. 9 p.

[No. 6] Kukhar'kova, I. I., and others. [Microflora of smoked pork and the use of a stimulating culture in the production of jams] Mikroflora koplchenostei i pri imennoe pobuditel'nykh kul'tur pri proizvodstve okorokov. 1965. 16 p.

[No. 7] Shishkova, N. N., and others. [Effect of packing methods on the quality of piecooked products during storage] Viliannie sposobo, ukovki na kachestvennye pokazateli kulinarno-kobotnykh miasoproduktov pri khraneni. 1965. 21 p.

[No. 8] Belen'kii, N. G. [Biological evaluation of principal meat canning methods] Biologicheskoe otsenka osnovnykh metodov konservirovaniia miasa. 1965. 27 p.

[MICROFILM]

12th European Congress of the Workers of Scientific Research Institutes of the Meat Industry. V. Gortall. Mias. ind. SSSR 38 no. 4, 28-33 Ap '67.

MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Yaroslavl) Determination of the operational parameters of separator in the purification of meat broth. V. Sokolov, D. Turovskii. Mias. ind. SSSR 38 no. 4, 26-27 Ap '67.

MEAT INDUSTRY—MANAGEMENT

Improving the planning of work in the cold storage warehouses of meat combines. Z. Flishtin. Mias. ind. SSSR 38 no. 4, 14-16 Ap '67.

Preparations for the transfer of workers and employees to a 5-day workweek. M. Alekshina. Mias. ind. SSSR 38 no. 4, 1-2 Ap '67.

They have exchanged their experience in the scientific organization of labor in the industry. V. Andrievskii. Mias. ind. SSSR 38 no. 4, 41-42 Ap '67.

MEAT INDUSTRY—SAFETY MEASURES

Gorbachev, V. M., and F. F. Jur'yev. [Safety measures and labor protection in the meat industry] Tekhnika bezopasnosti i okhrana truda v miasnoi promyshlennosti. Moskva, Pishchevaia promyshl., 1967. 349 p.

MECHANICAL DRAWING

Aesthetics in mechanical drawing. I. A. Rotman. Spets. obr. 13 no. 10, 16-22 O '65.

Technologic and economic effectiveness of the introduction of the blue KS-229 lacquer for the production of drawings. P. I. Dmitriev. Lakokras. mat. i ikh prikl. no. 2, 83-84 '67.

MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Universal drawing devices. O. O. Ulanovskii. Mash. i stroitel' no. 4, 34-35 Ap '67.

MECHANICAL DRAWING—STUDY AND TEACHING

Industrial training for teachers of mechanical drawing to be. A. A. Tatarinova. Uch. zap. izk. gos. ped. inst. no. 20, 131-134 '64.

Instruction in mechanical drawing. V. A. Startsev. Uch. zap. izk. gos. ped. inst. no. 20, 121-130 '64.

Methodology for the study of assembly drawings. M. G. Sal'nikov. Shkola i prozv. 11 no. 1, 34-39 Ja '67.

[Teaching mechanical drawing in professional technical schools] Prepodavanie kursa "Tekhnicheskoe chisleniye" v professional'no-tekhnicheskikh uchilishchakh. Moskva, Vysshaya shkola, 1965. 41 p. (3. Vsesoyuzskoe pedagogicheskoe chteniye po professional'no-tekhnicheskomu obrazovaniyu. Sektsiya prepodavatelei chisleniya)

[MICROFILM]

Technical drawing in the 8th grades of secondary schools. Antoni Szechpowski. Shkola i prozv. 11 no. 3, 50-53 Mr. '67.

MECHANICAL ENGINEERING

Basic problems of modern theory of machines. I. I. Arlobolevskii. Mekh. mash. no. 1, 2, 5-18 '65.

Visual instruction aids in mechanical engineering. N. N. Mamaev. Shkola i prozv. 11 no. 3, 55-57 Mr. '67.

MECHANICAL ENGINEERING—STUDY AND TEACHING

Some methods problems in the organization of the course "Theory of mechanisms and machines" in connection with the development of science and technology. V. A. Rudin. Mekh. mash. no. 1, 2, 19-28 '66.

Study of safety techniques in classes on technical mechanics. F. A. Trofimov. Spets. obr. 13 no. 10, 13-24 O '66.

MECHANICAL WEAR

Abrasive wear of steel during friction with rocks. A. N. Popov, A. I. Spivak. Izv. vyz. ucheb. zav. i gor. zhur. 10 no. 2, 77-81 '67.

MECHANICAL WEAR (Continued)

- Fiction of steels of various toughness and of silver against silver at various temperatures. A. M. Zuev, A. I. Zuev. *Izv. vuz. ucheb. zav., fiz.* 10 no. 2:292-306 '67.
- Influence of blast furnace dust on the wear of charging equipment. E. D. Shitepa and others. *Metallurg* 12 no. 3-8-II Mr '67.
- Method for studying wear and breakdown of roller bit support. V. N. Vinogradov, G. M. Sorokin, A. N. Pashkov. *Neftekhim.* 45 no. 1:62-63 Ap '67.
- Studying the effect of chemical composition of materials used in making bands for mine electric locomotives upon their wear. P. M. Shilov, A. A. Suslov, P. S. Banatov. *Voprosy izm. i izm. sh.* no. 9:181-203 '65.

MECHANICS

- Applicability of the method of associated fields to nonlinear systems. I. M. Belenkiy. *Prikl. mat. i mekh.* 31 no. 2:372-376 Mr-Apr '67.
- Design of plates rigidly fixed at two opposite sides and hinged at two other sides being under the action of concentrated forces and moment. A. M. Yakubadze, Sh. S. Kobakhidze. *Trudy GPi Gruz.* no. 2:143-148 '64.
- Equations describing the motions of nonholonomic mechanical systems in Poisson's - Chetaev variables. Pham Nguyen. *Prikl. mat. i mekh.* 31 no. 2:251-256 Mr-Apr '67.
- Equations of motion for a mechanism with a variable. I. I. Artyukovskiy, V. A. Zinov'ev, N. V. Umnov. *Dokl. AN SSSR* 173 no. 5:1017-1020 Ap '67.
- Molar translation diads of a coordinate trihedron. P. N. Ompov. *Dop. AN URSR* no. 10:1286-1289 '65.
- Periodic solutions to quasi-linear nonautonomous systems with a single degree of freedom in particular cases. A. P. Prokhorov. *Prikl. mat. i mekh.* 31 no. 2:365-372 Mr-Apr '67.
- Properties of possible translocations for theorems on the interaction of the parts of a mechanical system. A. A. Bogotavlenskii. *Prikl. mat. i mekh.* 31 no. 2:379-384 Mr-Apr '67.
- Regular pulsed motions in a one-dimensional system. R. E. Nagayev. *Prikl. mat. i mekh.* 31 no. 2:242-252 Mr-Apr '67.
- Relation between the bifurcation of equilibria of conservative systems and the stability distribution on an equilibrium curve. V. I. Vozitinskiy. *Prikl. mat. i mekh.* 31 no. 2:384-388 Mr-Apr '67.
- Relation between the effects of impulse and force in high-order mechanical systems. O. M. Hohlentsev. *Dop. AN URSR* no. 1:9-11 '61.

MECHANICS—ABSTRACTS

[Mechanics] *Ref. zhur. i mekh.* no. 5 My '67.

MECHANICS, APPLIED

- Determining the stresses and strains in the basic in shifting loads from separately located foundations at considerable depth. D. E. Kvachadze, *Trudy GPi Gruz.* no. 2:130-141 '64.

MECHANISMS

- Equations of motion for a mechanism with a variable. I. I. Artyukovskiy, V. A. Zinov'ev, N. V. Umnov. *Dokl. AN SSSR* 173 no. 5:1017-1020 Ap '67.
- Experimental investigation of the dynamics of Geneva mechanisms with curvilinear grooves. E. G. Nakhapetian, F. G. Kukharevko, O. N. Klubanova. *Mekh. mash.* no. 1/2:148-153 '66.
- Force analysis of loaded expanding shears-type systems. M. V. Knostarev. *Vest. mashinosti.* 47 no. 4:34-35 Ap '67.
- Increasing the wear resistance of free-wheeling mechanisms and designing them with hollow rollers and wedges. M. N. Filipenko. *Sbor. trud. LMI* no. 15:77-84 '60.
- Preliminary analysis of the structural system in the synthesis of a two-dimensional mechanism by the positions of the connecting rod. V. D. Ivanov. *Izv. vuz. ucheb. zav., mashinost.* no. 2:5-7 '67.
- Selecting some dimensions of bars of a three-dimensional four-bar linkage. D. S. Tavkhelidze, G. A. Dzhabua. *Sob. AN Gruz. SSR* 45 no. 2:463-468 F '67.

MEDIASTINUM—TUMORS

- Tomography in the study of vessels of pulmonary circulation in tumors of the lungs and mediastinum. K. B. Tikhonov, S. S. Kolosov. *Vest. rent. i rad.* 12 no. 2:14-18 Mr-Apr '67.

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL EDUCATION

(see also subdivision under Moscow)

- Province student conferences. V. I. Savet'ev. *Sred. shkol.* obr. 14 no. 7:31-32 Mr '67.

MEDICAL GEOGRAPHY

(see also subdivision under Boguchany District; Siberia, Western; Soviet Central Asia)

- Analysis of climate for the purpose of medicogeographical study of the territory. E. M. Babakova, E. M. Il'icheva. *Dokl. po med. geog.* no. 2:19-26 '65.
- Classification of the climates of the U.S.S.R. in respect to problems of medicogeographical research. L. A. Chubukov. *Dokl. po med. geog.* no. 2:10-18 '65.

- Distribution of epidemic rickettsioses in the U.S.S.R. S. M. Kulagin and others. *Dokl. po med. geog.* no. 2:101-108 '65.

Indication phenology and its significance for medical geography. G. E. Shul'ts. *Dokl. po med. geog.* no. 2:38-48 '65.

Medical Geography and the Geographical Society of the U.S.S.R. V. P. Biskov, A. A. Keller. *Dokl. po med. geog.* no. 2:156-166 '65.

Methodology for studying the geography of longevity in the U.S.S.R. N. N. Sachuk. *Dokl. po med. geog.* no. 2:19-58 '65.

Nosogeography of communicable virus encephalitis. E. N. Lavkovich. *Dokl. po med. geog.* no. 2:83-100 '65.

MEDICAL GEOGRAPHY—CONGRESSES

(see also subdivision under Kazakhstan)

- Informative letter on the preparation and conducting of the 2d Scientific Conference on Problems of Medical Geography. *Dokl. po med. geog.* no. 2:7-9 '65.
- Regional Scientific and Practical Conference on Problems of Medical Geography in Lvov. A. I. Zavadovskiy. *Dokl. po med. geog.* no. 2:166-168 '65.

MEDICAL GYMNASIICS see Exercise therapy

MEDICAL HELMINTHOLOGY

- Hepato-linear syndrome in helminthiasis. M. G. Fatullayev. *Azorb. med. zhur.* 41 no. 4:27-33 Ap '67.

MEDICAL JURISPRUDENCE

- Avdeev, M. L. [Forensic medical expertise] *Sudebno-meditsinskaya ekspertiza*. Moskva, Znanie, 1967. 75 p. (Narodnyi universitet; Fakul'tet pravovykh nauk, 5)

MEDICAL LIBRARIES see subdivision under Turkestan

MEDICAL MICROBIOLOGY

- Changes in microflora during radiotherapy in cancer of the cervix uteri. N. M. Sokolova, L. Z. Klechikov, E. K. Sardzhalinetskaya. *Vop. onk.* 13 no. 4:80-85

MEDICAL MOTION—PICTURE PHOTOGRAPHY see Motion-picture photography, Medical

MEDICAL PERSONNEL

- Medical workers, Heroes of the Soviet Union. F. V. Satrapinskii. *Voen.-med. zhur.* no. 4:7-11 Ap '67.

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RECORDS

- Identification of a patient with burn shock. E. A. Sorokin, I. U. Berlin. *Voen.-med. zhur.* no. 4:38 Ap '67.

MEDICAL TESTS

- Data of complement fixation reaction and intracutaneous test in patients with mental disorders; based on materials of Azerbaijan S.S.R. E. G. Magarramov. *Azorb. med. zhur.* 44 no. 4:80-85 Ap '67.
- Determination of the sensitivity to streptomycin in pulmonary tuberculosis patients. I. L. Sagatov. *Sov. med.* 27 no. 8:103-106 Ag '63.
- Results of examination for toxoplasmosis in patients with etiologically obscure diseases. I. A. Bogotavlenskaya and others. *Sov. med.* 30 no. 3:49-53 Mr '67.

MEDICINE

Akhiubinskii gosudarstvennyi meditsinskii institut.

[Transactions of the 4th scientific session] *Trudy chetvertogo nauchnogo sessii*. Alma-Ata, "Kazakhstan," 1965. 388 p. (DNLN)

Erivanskii gosudarstvennyi meditsinskii institut. [Materials of the scientific session dedicated to the 40th anniversary of the Institute] *Materialy nauchnogo sessii, posvyashchennogo 40-letiyu osnovaniya instituta*. Erevan, 1963. 150 p. (ICRI)

MEDICINE—ABSTRACTS

- Abstracts. N. P. Skvortsova and others. *Sov. med.* 30 no. 3:147-153 Mr '67.
- [Medical abstracts] *Med. ref. zhur.* sect. 1 vol. 11 no. 5 My '67, Sect. 2 vol. 11 no. 5 My '67, Sect. 3 vol. 11 no. 5 My '67, Sect. 4 vol. 11 no. 5 Je '67, Sect. 5 vol. 11 no. 5 My '67, Sect. 6 vol. 11 no. 5 My '67, Sect. 7 vol. 11 nos. 4-5 Ap-May '67, Sect. 8 vol. 11 no. 5 My '67, Sect. 9 vol. 11 no. 5 My '67, Sect. 10 vol. 11 no. 5 My '67, Sect. 11 vol. 11 no. 5 My '67, Sect. 12 vol. 11 no. 5 My '67.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—DICTIONARIES

- [Little medical encyclopedia] *Malaya meditsinskaya entsiklopediya*. Osv. red. V. Kh. Vasilchenko. Moskva, Sov. Entsiklopediya. Vol. 4. Intubatsii - Larokain. 1968. 1108 columns, phonorecord (insert)

MEDICINE—PHILOSOPHY

- Goncharov, P. P., and I. G. Eroshkin, eds. [Basic philosophical problems of modern biology and medicine] *Osnovnye filosofskie voprosy sovremennoi biologii i meditsiny*. [Leningrad] Meditsina, 1967. 246 p.

MEDICINE, MILITARY

- Clinical aspects and diagnosis of neurotic reactions. A. D. Turbin. *Voen.-med. zhur.* no. 3:76-78 Mr '67.
- Clinical and organizational problems in psychogenic diseases. F. I. Ivanov. *Voen.-med. zhur.* no. 3:27-29 Mr '67.
- For Communist labor. I. U. N. Oshakovskiy, A. P. Danilov. *Voen.-med. zhur.* no. 3:5-8 Mr '67.
- Never stop party political work in military medical installations. *Voen.-med. zhur.* no. 4:3-8 Ap '67.
- Some criteria of the stability of clinical cure in focal forms of tuberculosis in servicemen. V. Kh. Bodnarev, A. G. Radzinskii. *Voen.-med. zhur.* no. 3:38-42 Mr '67.
- Some measures to decrease otitis media morbidity in units. A. A. Trushin. *Voen.-med. zhur.* no. 3:74-75 Mr '67.
- Some problems of medical service for a motorized rifle company in defense combat. I. I. Lopushanov and others. *Voen.-med. zhur.* no. 1:15-17 Ap '67.
- Transfusion of blood and blood substitutes at regimental medical aid station and medical battalion. O. K. Gavi-lov. *Voen.-med. zhur.* no. 3:10-14 Mr '67.
- Women medics of the army and navy prepare a dignified welcome for the glorious anniversary. *Voen.-med. zhur.* no. 3:8-9 Mr '67.

MEDICINE, MILITARY—ABSTRACTS

- Abstracts. G. L. Logvinenko and others. *Voen.-med. zhur.* no. 3:82-88 Mr '67.

MEDICINE, MILITARY—CONGRESSES see subdivision under Volga Valley

MEDICINE, MILITARY—STUDY AND TEACHING

- Some problems of primary training of medical officers at the academy. I. V. Selivanov. *Voen.-med. zhur.* no. 3:14-19 Mr '67.
- Theoretical and specialized exercises with a medical battalion. M. Shernitskiy, P. Sorokin, T. I. Snab. *Sov. Voor.* Sil. 27 no. 3:39-42 Mr '67.

MEDICINE, NAVAL

- Navy medics compete to give a dignified welcome for the 50th anniversary of Soviet power. P. I. Gorbalykh, I. I. Grunin. *Voen.-med. zhur.* no. 3:3-5 Mr '67.

MEDICINE, RURAL

- Some aspects of the organization and planning of surgical aid in an enlarged rural district. D. K. Sokolov. *Sov. med.* 27 no. 8:91-97 Ag '63.

MEDVEZH'YE LAKE REGION (KURGAN PROVINCE)—FUNGI

- Mycoflora on the peninsula of Lake Medvezh'ye (Kurgan Province). A. V. Sirko. *Zap. Seversk. otd. VEO* no. 4:157-162 '66.

MELANCHOLIA

- Clinical aspects of involutional melancholia; catamnestic study. N. G. Shumskiy, T. N. Morozova. *Zhur. nev. i psikh.* 67 no. 4:554-560 '67.

MELANOMA

- Late results of treating melanoses of skin melanomas with colloid Au¹⁹⁸. A. V. Kozlova, L. L. Likhovetskaya. *Med. rad.* 12 no. 4:20-21 Ap '67.

MELTING POINTS

- Determination of melting points of rare earth oxides. O. A. Mordovin, N. I. Timofeeva, L. N. Drozdova. *Izv. AN SSSR Neorg. mat.* 3 no. 1:187-189 Ja '67.
- Stability diagrams of ideal binary systems with chemical interaction. Part I. E. V. Abramov. *Izv. AN Kazakh. SSR Ser. khim.* 17 no. 2:19-26 Mr-Apr '67.
- Stability diagram of the system K₂O - K₂CO₃. A. B. Tsentseper, T. I. Rogozhnikova. *Izv. AN SSSR, Ser. khim.* no. 3:700-702 Mr '67.
- Stability of quaternary reciprocal systems consisting of niobium and aluminum oxychlorides and sodium and potassium chlorides. O. R. Gavrilov, L. A. Nefedov, A. A. Shirokov. *Zhur. prikl. khim.* 40 no. 4:762-767 Ap '67.
- Theory of the phase transition crystal - liquid. I. P. Bazarov. *Izv. vuz. ucheb. zav., fiz.* 10 no. 2:97-105 '67.

MEMBRANES (BIOLOGY)

- Globular structure of cell membranes. V. L. Borovlagina. *Dokl. AN SSSR* 173 no. 3:684-688 Mr '67.

MEMBRANES (CHEMISTRY)

- Electrode properties of ion-exchange membranes in non-aqueous solvents. A. V. Gordiyevskiy, E. L. Filipov, V. S. Shermann. *Elektrokhim. i fiz. khim.* 3 no. 4:500-503 Ap '67.
- Measurement of electric resistance of ion-exchange membranes in H⁺ and OH⁻ forms in equilibrium with water. A. V. Ushakov, N. A. Aladzhazova. *Elektrokhim. i fiz. khim.* 3 no. 2:162-165 '67.

MEMBRANES (TECHNOLOGY)

- Design of safety membranes and the result of their utilization. N. E. Ol'khovskiy, V. I. Zinin, A. A. Zinov. *Bezop. truda v prom.* 11 no. 4:28-32 Ap '67.

METAL CUTTING (Continued)

Improving cutting conditions in machining EP375 alloy. S.N. Pionenko, V.P. Lukh, Tekh. org. proizv. no. 2 56-67 Mr-Apr '67.
Some problems in the mechanics of machining difficult-to-work materials. P.D. Beshpakov, V.V. Sinaikov, Izv. vuz. ucheb. zav., mashinost. no. 2 III-III '67.

METAL CUTTING—OSCILLATIONS

Self-oscillation during metal cutting allowing for the effect of the power source. M.V. Vasylenko, Dop. AN USSR, Ser. A 20 no. 1:48-52 Ja '67.

METAL-CUTTING TOOLS

Bimetallic cutter for measuring the temperature of cutting. A.A. Avakov, N.A. Ivchanko, Mashinostroitel' no. 1 33 Ap '67.

Calculating tongues of hobbing slot cutters. S.I. Ash-nov, Stan. i instr. 38 no. 1:27-28 Ap '67.

Cutters for horizontal boring and straight milling machines. V.N. Konoplev, K.A. Rumyantsev, Stan. i instr. 38 no. 5:47-48 My '67.

Cutting properties of solid hard-alloy and cutters. I.F. Dubov, V.V. Pakhomov, Stan. i instr. 38 no. 3:10-41 Mr '67.

Determining the inclination line of the rectilinear profile of roughing hobbing and grooving cutters. M.L. Grizotskii, N.I. Tabachnik, M.L. Bedrikovskii, Stan. i instr. 38 no. 3:35-36 Mr '67.

Evaluating economic efficiency of using solid hard-alloy cutters and drills. E.L. Gurevich, V.N. Shilayeva, Stan. i instr. 38 no. 3:32-34 Mr '67.

Grinding three-sided disk cutters with inserted high-speed steel blades. N.I. Pashitskii, Stan. i instr. 38 no. 1:11 Ap '67.

Metal-cutting tools. K.F. Romanov, Stan. i instr. 38 no. 5:38-42 My '67.

New designs and technology of production of metal-cutting tools. G.I. Pavlovskii, Stan. i instr. 38 no. 4 16 Ap '67.

Selecting the optimum angle of cutter dressing in cutting billets for rolling mills. A.P. Chekmarev, V.M. Klimenko, IU. M. Chumachenko, Nauch. trudy Dnepr. inst. cher. met. 21:342-349 '65.

Shenderovich, L.Z., and K.M. Stolyanovskii, [Manufacturing process of low-module hard-alloy hobbing cutters and cutting thread on tools and parts made of ceramic metals] Izgotovlenie presizionnykh mekhanizatsionnykh (veroyatnykh) chervichnykh i tsepnnykh rezantsov raznykh instrumentakh i detalakh iz metallov i inzhenernaya mikrol. Leningrad, 1966. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya Progressivnye metody obrabotki materialov).

Wear of cutters during the working of porous materials. A.I.A. Atamanov, V.I. Konechenko, Porosh. met. 7 no. 4:75-85 Ap '67.

METAL-CUTTING TOOLS—MAINTENANCE AND REPAIR

Devices for adjusting diamond cutters. M.I.A. Gouzman, G.M. Golovinski, A.E. Dreeman, Stan. i instr. 38 no. 3:41-42 Mr '67.

METAL-CUTTING TOOLS—TESTING

Device for continuous automatic control of the condition of cutting edges of a cutter. A.A. Felegin, V.S. Rybakov, B.V. Ust. Samoletost. i tekhn. vozd. flot. no. 7 100-103 '66.

METAL DETECTORS

Metal detectors in ore dressing plants. A.V. Shitinger, TSvet. met. 31 no. 7:91-92 Ji '61.

METAL IONS

Diffusion of lithium ions into lithium hydroxide and sulfate crystals. E.D. Kuznetsov, L.M. Iakimenko, Zhur. prikl. khim. 40 no. 4:786-792 Ap '67.

Radiochemical analysis of aqueous solutions of benzene in the presence of metal ions of variable valence. Part 1: Solutions in 0.4 M H₂SO₄ containing ions of bivalent iron and oxygen. L.I. Kartasheva, A.K. Pikaev, Khim. vys. energ. 1 no. 1:22-28 Ju-F '67.

Theoretical determination of the surface energy and effective charge of liquid metal ions. E.S. Filippov, S.I. Filippov, Izv. vuz. ucheb. zav., Chern. met. 10 no. 3:5-9 '67.

METAL POWDER PRODUCTS—DENSITY

Efficient number of elementary operations, and determination of filling coefficient in making powder wires. G.N. Kocheva, M.I. Razikov, Svar. proizv. no. 4 28-29 Ap '67.

METAL POWDERS

(See also subdivision under Germany, East)

Characteristics of the magnetic reversal processes and the nature of coercive forces of cobalt ferrite powders. O.A. Ivanov, I.A. Shur, E.V. Sholts, Fiz. tver. tela 9 no. 4:1098-1105 Ap '67.

Semiautomatic equipment for sedimentometric analysis of powders. I.V. Serdyukov, R.L. Grechuk, Porosh. met. 7 no. 4:86-90 Ap '67.

Spin-lattice paramagnetic relaxation in polycrystalline powders. IU.I. Niaslin, Fiz. met. i metalloved. 23 no. 4:728-729 Ap '67.

Studying properties of copper powder materials prepared by the method of cementation from chloride solutions. V.A. Pukhov, V.N. Panteleev, A.I. Godes, Porosh. met. 7 no. 4:38-41 Ap '67.

METAL POWDERS—SPECTRA

Reflection spectrum of Gd₂O₃ and GdF₃ powders. I.Z. Gil'fanov, A.L. Stolov, Zhur. prikl. spekt. 6 no. 4: 511-514 Ap '67.

METAL SPRAYING—EQUIPMENT AND SUPPLIES

Manual electric-arc metal spraying devices. B.I. Urbanovich, Biul. tekhn.-ekon. inform. Gos. nauch. issled. inst. nauch. i tekhn. inform. 20 no. 4:18-19 Ap '67.

METALLIC FILMS

Applying a coating onto a moving glass rod. B.V. Derzhin and others, Dokl. AN SSSR 172 no. 8 1312-1214 F '67.

Alavalanche injection in silicon. I. Zh. Vil'f, M.R. Pozdnakova, Fiz. i tekhn. poluprov. 1 no. 2:288-289 F '67.

Durability of thin electrolytic copper films under longitudinal and transverse loads applied in succession. P.I.A. Pines, R.I. Kuznetsova, Dokl. AN SSSR 173 no. 2 329-330 Mr '67.

Inelastic scattering of electrons of a given energy in thin gold films. N.G. Nakhodkin, P.V. Mel'nik, Fiz. tver. tela 9 no. 3:723-727 Mr '67.

Possible explanation of the negative resistance of thin aluminum oxide films, remarks on papers by G.S. Kreinova and others. I.S. Zhukova, G.I. Kurkchinn, L.L. Odynets, Radiotekh. i elektron. 12 no. 2 381-382 F '67.

Studying high-temperature oxidation of hot-rolled electrical steels. Part 1: Steel E1. IU.D. Kozmanov, M.S. Koslov, Fiz. met. i metalloved. 23 no. 4:655-662 Ap '67.

Theory of the surface energy and work function of an electron from a metal. S.N. Zudumkin, Kh.B. Khlobov, Fiz. met. i metalloved. 23 no. 3:565-568 Mr '67.

METALLIC FILMS—DEFECTS

X-ray tensorial study of elastic crystal anisotropy in polycrystalline condensed films. M.I.A. Fuks and others, Fiz. tver. tela 9 no. 3:751-756 Mr '67.

METALLIC FILMS—ELECTRIC PROPERTIES

Crystallographic anisotropy of the electric properties of CdS films. F.I. Viharus, B.I. Sedunov, S.Abdiev, Fiz. i tekhn. poluprov. 1 no. 2:272-275 F '67.

Effect of the temperature of the base layer on the electric conductivity of films prepared by the vaporization of tantalum in vacuum. D.I. Lainer, V.I. Kholmenskii, Fiz. met. i metalloved. 23 no. 3:440-443 Mr '67.

METALLIC OXIDES

Catalytic properties of titanium, zirconium, hafnium oxides in the reactions of dehydrogenation and dehydrohalogenation. I.R. Konechenko, A.A. Tolstogladov, A.A. Balandina, Izv. AN SSSR, Ser. Khim. no. 1 498-502 Mr '67.

Determination of elementary hypertetrahedrons in the suboxide structure of multicomponent systems and the solution of some other problems by means of electronic computer. A.S. Berezin, N.M. Kvanaman, Dop. AN USSR, Ser. B 29 no. 3 237-240 Mr '67.

Electric strength of oxide films on valve metals. Part 2: Time lag of the discharge in thin oxide films on aluminum and tantalum. F.S. Platonov, Izv. vuz. ucheb. zav., fiz. 10 no. 2:7-11 '67.

Electrode semiconductor catalysts. Part 1: Semiconductor properties and structure of solid solutions of oxides CuO-NiO. O.K. Davitov and others, Elektrokhimia 3 no. 4:451-454 Ap '67.

Polarography of some oxides with NaF-Na₂AlF₆ fused electrolyte as the support. IU.K. Delman, N.A. Pavlenko, Ukr. khim. zhur. 33 no. 2:130-137 '67.

Role of ion recharge in the kinetics of high temperature oxidation of metals. O.A. Esau, Elektrokhimia 3 no. 2:226-231 '67.

METALLO-ORGANIC COMPOUNDS see Organometallic compounds

METALLURGICAL CHEMISTRY see Chemistry, Metallurgical

METALLURGICAL FURNACES

Mineral composition and causes of scale formation in the Vaela furnace at the Chelyabinsk Zinc Plant. A.V. Gurov and others, TSvet. met. 34 no. 7:28-32 Ji '61. Remarks on the article entitled "Principles of furnace improvement for nonferrous metallurgy." A.K. Shakhmazarov, TSvet. met. 34 no. 7:41-43 Ji '61.

METALLURGICAL FURNACES—DESIGN AND CONSTRUCTION

Gurovskii, V.L., A.E. Lifshits, and V.M. Tymchak, [Gas-burner arrangements and systems of firing heating and heat-treating furnaces] Gazogorelochnye ustroystva i sistemy otogrevaniya nagrevatel'nykh i termicheskikh pechei. Pod red. V.M. Tymchaka, Moskva, Metallurgiz, 1967. 261 p.

METALLURGICAL FURNACES—FUEL CONSUMPTION

Effect of fuel granulometry on the value of air excess coefficients during sintering. S.P. Efimov, G.G. Efimenko, Izv. vuz. Chern. zav. Chern. met. 10 no. 3:23-28 '67.

METALLURGICAL PLANTS see subdivision under Bulgaria

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION see subdivision under Volgograd

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur. Met. no. 5 My '67.

METALLURGY—COSTS

Economic importance of ore preparation for smelting. F.I. Shchepilov, N.P. Bannyl, A.A. Fedotov, Izv. vuz. ucheb. zav., Chern. met. 10 no. 3 188-191 '67.

METALLURGY—DICTIONARIES

[German-Russian metallurgical dictionary. Approximately 40,000 terms] Nemetsko-russkii metallurgicheskii slovar'. Okolo 40000 terminov. Moskva, Sov. Entsiklopediya, 1967. 760 p.

METALLURGY—EXPERIMENTS

Lincevskii, B.V. [Metallurgical experimentation techniques] Tekhnika metallurgicheskogo eksperimenta, Moskva, Metallurgiz, 1967. 344 p.

METALS

Compressibility of metals. M.B. Gitis, Fiz. tver. tela 9 no. 4 1193-1196 Ap '67.

Determination of the internal contact potential difference between metals based on currents limited by volume change in thin pthalocyanine films. Z.A. Rutenberg, S.D. Levina, Elektrokhimia 3 no. 2:272-275 '67.

Evaluation of the sparkproofness of metals. E.A. Ferrari, Bezop. truda v prom. 11 no. 3 19-50 Mr '67.

Extraction of metals with alkylphosphoric acids synthesized from industrial alcohol mixtures. A.S. Chelak, M.L. Navtanovich, Zhur. prikl. khim. 34 no. 1:916-919 Ap '61.

One possibility for determining optical parameters of metals. N.A. Korshmazan, Fiz. tver. tela 9 no. 4. 1113-1115 Ap '67.

Phase equilibria in the system molybdenum-titanium-zirconium. D.A. Prokoshkin, M.I. Zakharova, Dokl. AN SSSR 172 no. 6:1362-1364 F '67.

Stability and γ -potential of metal organodispersions as depending on the composition of the medium. IU.A. Novozhilov, M.A. Lantua, Zhur. fiz. khim. 41 no. 1: 887-889 Ap '67.

METALS—FATIGUE

Determining the probability of fatigue breakdown using the method of conservative approximations. S.V. Seren-sen, V.P. Kogach, Vest. mashinost. 47 no. 4 11-17 Ap '67.

METALS—FINISHING

Electrical finishing of metals. M. Pavlov, Tekh. i vopr. 25 no. 3:44-45 Ma '67.

METALS—HARDENING

Studying anomalies in strength characteristics of metals and alloys. V.G. Kachalkin, L.D. Sokolov, Izv. vuz. ucheb. zav., Chern. met. 10 no. 4 105-109 '67.

Thermomechanical treatment of metals with weaving arc hard facing. G.S. Trofimov, V.S. Ibragimov, E.L. Levin, Svar. proizv. no. 4 11-13 Ap '67.

METALS—HEAT TREATMENT

Heat treatment of nickel apparatus in a tight muffle in neutral gas medium. G.S. Seif, L.M. Smolova, Khim. i nef. mashinost. no. 5 42-43 My '65.

METALS—HYDROGEN CONTENT

Energy of hydrogen absorption in metals. V.K. Nikulin, N.D. Potekhina, Fiz. met. i metalloved. 23 no. 3:563-565 Mr '67.

METALS—PHYSIOLOGICAL EFFECT

Biostomogenic properties of industrial metals and their compounds. P.P. Dvishkov, Arkh. pat. 29 no. 3:3-11 '67.

METALS—PICKLING

Dissolution of the scales of low-carbon steel in acids. Report No. 2: More on the effect of iron salts and some inhibitors of acid corrosion. A.S. Afanas'ev, L.A. Beliaeva, Khim. tekhn. no. 4:34-37 '66.

Pickling low-carbon steel in mixtures of HCl, H₂SO₄ and H₃PO₄. Report No. 2: Interrelation of the steel dissolution rate, stationary potential of corrosion and the capacitance of a double layer on metal. T.V. Malyshova, A.S. Afanas'ev, Khim. tekhn. no. 4:38-43 '66.

Spiral pickling pits on germanium. IU.P. Khukhr'anskii, M.I. Shchepelev, B.N. Popovich, Fiz. tver. tela 9 no. 4 1042-1046 Ap '67.

METALS—SPECTRA

Quantitative spectral determination of Fe, Mn, Cu, Zn, Ni, Mo, Cr, and V in plants. M.M. Farafonov and others, Agrokhimia no. 1:125-129 Ap '67.

METALS—TESTING

Criterion for the workability of metal in forging and die forging. D.I. Berezikovskii, Vest. mashinost. 47 no. 4 61-63 Ap '67.

METALS, EFFECT OF TEMPERATURE ON

Friction of steels of various roughness and of silver against silver at various temperatures. A. M. Zuev, Vys. vs. ucheb. zav., fiz. 10 no. 2 92-96 '67.

METALS, RARE AND MINOR

(see also subdivision under Ukraine)

Determining rare earth elements in orthites, V. S. Bykova, Trudy VSEGEI 123 57-61 '66

METALS AT HIGH TEMPERATURES

Ductility of steel at high temperatures. A. P. Chekmarev, V. P. Kachailov, Nauch. trudy Dnepri. inst. chem. met., 21-306-309 '65.

METALS AT LOW TEMPERATURES

Defects of the crystal lattice of copper rolled at low temperatures. I. A. Gindin and others, Fiz. met. i metalloved., 23 no. 4:756-758 Ap '67.

X-state and the precipitation process in H36Y11 steel (U. V. Vov, M. A. Bol'shanina, V. F. Sukhovarov, Izv. vs. ucheb. zav., fiz. 10 no. 2:106-115 '67

Mechanical properties of G13L steel in hardened state. N. A. Voinov, I. Z. Mashinson, Izv. vs. ucheb. zav.; chem. met. 10 no. 4:116-119 '67.

METALWORK

(see also subdivision under Kolpino, Leningrad Province)

Calculating radiant heating of tubular billets in turning and pressing. I. A. Ziminov, Izv. vs. ucheb. zav., at. tekhn. 10 no. 1:114-117 '67.

Gromov, N. P. [Theory of metalworking by pressure] Teoriya obrabotki metallov davleniem. Moskva, Metallurgiya, 1967. 340 p.

Obtaining grooves by cold rolling. I. V. Petko, G. I. Lukashchevich, Tekhn. org. proizv. no. 2 65 Mr-Apr '67

METALWORKING LUBRICANTS

Effect of lubricating and cooling fluids on the quality of a machined surface. R. Avakian, Prom. Akm. 10 no. 3:24-27 '67.

Metalworking lubricants with molybdenum disulfate. A. I. Urshanskii, E. I. Bulatov, V. B. Lumbich, Stan i Inst., 38 no. 3 30-31 Mi '67

New lubricating and cooling fluid. V. A. Leluk, Izv. vs. ucheb. zav., mashinost., no. 1:132-138 '67

Purifying industrial oils. G. D. Benashina, Vest. mashinost., 47 no. 4 59-60 Ap '67.

Selecting lubricants for hot piercing of round blanks. P. I. Chulko and others, Stal' 27 no. 3 253-255 Mr '67.

Selecting lubricating and cooling fluids in machining titanium alloys. P. V. Timofeev, Tekhn. org. proizv. no. 2:72-73 Mr-Apr '67

METALWORKING MACHINERY

Kondashchevskii, V. V., ed. [Equipment for the mechanization and automatic control of linear dimensions] Ustroistva dlia mekhanizatsii i avtomatizatsii kontrolya lineynykh razmerov. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 117 p.

Metalworking equipment. G. Kuznetsov, Vneshtorg. 47 no. 3:34-39 '67.

METAMORPHISM (GEOLOGY)

(see also subdivision under Pacific Area)

Effect of pressure on rate of decarbonization reaction in metamorphism. I. U. P. Mel'nyk, V. M. Kucher, Dop. AN URSSR Sci. B 29 no. 5 416-419 My '67.

Titanium and alkalies in amphiboles in metamorphic. V. V. Zakrutkin, M. V. Grigorenko, Dokl. AN SSSR 173 no. 4:917-918 Ap '67.

METAPHOSPHORIC ACID

Complex formation of americium, curium, and promethium with trimetaphosphoric acid. A. A. Eskin and others, Radiokhimiya 9 no. 2:161-166 '67.

METASOMATISM

Some examples of complex interrelationships of veins and veins and their genetic interpretation. D. V. Rundkvist, V. K. Denisov, Geol. iud mestoi. ozh., 9 no. 2 58-63 '67.

METASTASIS

Latest results of repeated operations for removal of cancer metastasizing into the lungs: a case report. A. P. Kolesov, Vop. onk., 13 no. 3:98-99 '67.

Latest results of treating metastases of skin melanomas with colloid Au¹⁹⁸. A. V. Kozlova, L. L. Likhovetskaya, Med. rad., 12 no. 4:20-24 Ap '67

Rare metastases of hypernephroid cancer of the kidneys as a primary manifestation of the disease. V. I. Simonova, Urologiya 25 no. 3 25-29 My-Je '68.

Therapeutic effect of diapa in metastases of hypernephroma. E. B. Marinbakh, Urologiya 25 no. 3:50-61 My-Je '68.

METATARTARIC ACID

Production of grape juice with the use of metatartaric acid. A. T. Markin and others, Kons. i ov. prom., 22 no. 4:8-9 Ap '67.

METAZOA

Origin of Metazoa and their ontogeny; a critical evaluation of A. A. Zakhvatkin's synzoospore hypothesis. O. M. Ivanova-Kazas, A. V. Ivanov, Trudy Zool. inst., 44 '67.

METEOR TRAILS

Dissociation of molecules with meteor trails. I. U. P. Potinagin, Geomag. i aer. 7 no. 2 382-385 Mi-Apr '67.

Meteor trail of the Orionid shower. U. Shodiev, Blul. Inst. astrofiz. AN Tadzh. SSR no. 41/42:31-36 '66

Method of determining the initial radius of overdense meteor trails. R. Sh. Bibasov, Blul. Inst. astrofiz. AN Tadzh. SSR no. 41/42:20-25 '66.

Photographic observations of a meteor train. I. M. Bakhtayev, U. Shodiev, Blul. Inst. astrofiz. AN Tadzh. SSR no. 41/42:13-19 '66.

Some properties of meteor echoes in the case of forward scattering of ultrashort waves. L. Piskova, D. T. Samardzicv, Geomag. i aer. 7 no. 2 300-303 Mr-Apr '67

METEORITES

Chirviniskii, P. N. [Pallasites; their mineralogical and chemical composition, position among other meteorites and problems concerning their origin] Pallasit; ikh mineralogo-khimiticheski sostav, polozhenie v rjadu drugikh meteoritov i voprosy proiskhozhdeniya. Pod red. I. S. Astapovicha. Moskva, Nedra, 1967. 286 p. Indications for melting minerals in some meteorites. D. P. Grigor'ev, A. A. Iasinskaya, Dokl. AN SSSR 173 no. 3:662-664 Mr '67.

METEORITES—MAGNETIC PROPERTIES

Magnetic fields of outer space on the basis of data on the magnetic properties of meteorites. I. G. Gushkova, V. I. Pochtarev, Geomag. i aer. 7 no. 2 310-316 Mr-Apr '67.

METEOROLOGICAL INSTRUMENTS

At plane automatic dosing apparatus (SADU-1). A. D. Volkov, L. A. Mirmovich, Trudy Ukr. NIGMI no. 61:118-121 '66.

Improved methodology of measuring water content in convective clouds using SIV-3 device. V. A. Zakhlevskii, F. I. A. Volt, Trudy Ukr. NIGMI no. 61:114-117 '66

Instruments for meteorological measurements on "weather ships" V. N. Svaichysvili, Geofiz. app. no. 26 106-113 '65.

Interaction of measuring instrument with rarefied gas flow. A. I. Ivanovskii, Trudy TSAO no. 72:36-46 '66

METEOROLOGICAL INSTRUMENTS—TESTING

Pokrovskaya, I. A., ed. [Manual on testing meteorological instruments] Iukovodstvo po proverke meteorologicheskikh priborov. Leningrad, Gidrometeoizdat, 1967. 419 p.

METEOROLOGICAL OPTICS

Results of the solution of some atmospheric optics problems by the Monte Carlo method. G. I. Mat chuk, G. A. Mikhlinov, Izv. AN SSSR Fiz. atm. i okeana 9 no. 4 394-401 Ap '67

METEOROLOGICAL RESEARCH

Statistical characteristics of the vertical structure of layered cloudiness and of meteorological elements. M. S. Matkevich, I. P. Polovina, Izv. AN SSSR Fiz. atm. i okeana 9 no. 1 375-382 Ap '67

METEOROLOGICAL SATELLITES

Calculation and analysis of long-wave radiation in atmosphere. V. G. Boldyrev, G. N. Kudanova, Trudy MMTS no. 11 115-127 '66.

Calculation of cloud cover. Sh. A. Musaelian, V. M. Karpova, Trudy MMTS no. 11:89-95 '66.

Distribution of vertical velocity in cyclone. T. P. Popova, T. D. Dabubenko, Trudy MMTS no. 11 60-63 '66.

Infrared information on clouds from artificial satellites of earth. E. P. Dombkovskaya, Trudy MMTS no. 11 152-159 '66.

Machine plotting of maps of temperature of earth surface and height of upper boundary of clouds based on data of meteorological satellites of earth. V. G. Boldyrev, Trudy MMTS no. 11:96-104 '66

Meteorological experiment of the "Cosmos-122" satellite. L. A. Aleksandrov, Zem i vesol. no. 2 10-16 Mr-Apr '67. Orientation regarding air current of cloud layers observed from artificial earth satellites. I. A. Alekseeva, N. F. Vol'pishchev, Trudy MMTS no. 11 26-33 '66.

Reestablishment of wind field in cyclone using television pictures of cloud cover obtained from artificial earth satellites. N. F. Vol'pishchev, V. V. Ozarkina, Trudy MMTS no. 11 15-25 '66.

Scheme of calculation and analysis of spatial lines of current and trajectories of air particles. I. P. Vetrov, L. A. Anekcheva, Trudy MMTS no. 11 3-14 '66.

Some results of calculating fields of vertical movements in distribution of cloud cover. Sh. A. Musaelian, N. S. Khazizova, N. A. Chuzaykova, Trudy MMTS no. 11:78-88 '66.

Some statistical characteristics of cloud cover based on data of airplane and ground observations. D. M. Sonechkin, Trudy MMTS no. 11:34-41 '66.

Statistical structure of vertical profiles of temperature and humidity. V. G. Boldyrev, V. M. Oleshev, Trudy MMTS no. 11 105-114 '66.

Studying statistical relations of cloud cover with dew-point spread, vertical velocities and temperature. R. L. Alpatova, Trudy MMTS no. 11:138-144 '66.

Taking into account data on cloud cover in determining climatic temperature field of atmosphere. Sh. A. Musaelian, S. G. Sviridova, Trudy MMTS no. 11 64-77 '66.

Use of statistical characteristics of television signal for determination of quantity and form of clouds. Photographs obtained from meteorological satellites. V. I. Iatysheva, I. A. Mel'nikov, A. D. Sonechkin, Trudy MMTS no. 11 12-59 '66.

METEOROLOGY

(see also subdivision under Issykkul' Lake region)

Experimental determination of coefficient of thermal effusion of air in glass capillary. G. A. Kachin, I. I. Udonova, Trudy TSAO no. 72 27-35 '66

Principles of overall consideration of meteorological factors in calculating mechanical loading on line of electric power transmission. M. N. Melamed, I. P. Gartsman, Nauch. trudy TashGU no. 270 54 '66

METEOROLOGY—MAPS

Machine plotting of maps of temperature of earth surface and height of upper boundary of clouds based on data of meteorological satellites of earth. V. G. Kachin, Trudy MMTS no. 11 96-101 '66.

METEOROLOGY, AGRICULTURAL

(see also subdivision under Ukraine)

Experimental studies of the relation between grain crop yields and hydrometeorological factors. V. P. Dillit and others, Trudy Ukr. NIGMI no. 58:31-64 '67.

METEOROLOGY, MARITIME see subdivision under Kara Sea; Laptev Sea

METEOROLOGY IN AERONAUTICS

(see also subdivision under Fedchenko Glacier region; Novosibirsk region)

Analysis of causes for most intensive bumpiness of airship plane in night from April 5 to 6, 1964 in route of Naukovo-Tashkent. V. A. Drzhizhko, N. N. Il'inskiy, Nauch. trudy TashGU no. 270 44-48 '66

Experimental study of turbulence during flight on Altai-Novosibirsk air route. A. A. Vasilev, A. A. Rukhovich, Trudy TSIP no. 157:94-100 '66.

Meteorological conditions governing development of atmospheric turbulence in lower layer of lee side of mountain ridge. A. A. Vasilev, Trudy TSIP no. 157:101-117 '66.

METEOROLOGY IN AERONAUTICS—BIBLIOGRAPHY see Bibliography—Meteorology in aeronautics

METEORS

Experimental testing of the hypothesis of the antiair nature of meteors in shower. Processing of the information gathered. A. I. Beliaevskii, Zhur. tekhn. fiz., 37 no. 4:756-773 Ap '67.

Experimental testing of the hypothesis of the antiair nature of meteors in showers. V. P. Konstantinov and others, Zhur. tekhn. fiz. 37 no. 4:743-755 Ap '67. Single-value measurements of meteor distances. R. P. Chelobarov, Blul. Inst. astrofiz. AN Tadzh. SSR no. 41/42:3-6 '66

METEORS—PHOTOGRAPHS

Photographic observations of the orbital elements of meteors in Dushanbe 1960-1963. P. B. Babadzhonov, N. N. Suslova, S. A. Korasolnikova, Blul. Inst. astrofiz. AN Tadzh. SSR no. 41/42:3-12 '66.

METEORS—SPECTRA

Distribution of energy in a spectrum and the color index of one meteor. V. I. Ivanikov, Blul. Inst. astrofiz. AN Tadzh. SSR no. 41/42:26-30 '66.

METHACRYLIC ACID

Carboxylic film-producing latex from the copolymer of vinyl acetate and methylacrylate. V. I. Eliseeva and others, Lakokr. mal. i kh. prom. no. 2:19-22 '67.

Copolymers of maleic and methacrylic acid esters. New type of binding agent for glass plastics. G. A. Slarukhman and others, Zhur. prikl. khim., 34 no. 4:888-84 Ap '61.

Esterification of methacrylic acid with higher alcohols in the presence of the KU-2/B cation exchanger. V. I. Isaguliantse, V. A. Trofimov, T. A. Astakhova, Khim. prom., 43 no. 4:18-20 Ap '67.

Industrial synthesis of methacrylic acid and methyl methacrylate based on isobutyrene and nitric acid. B. F. Ustashevich and others, Khim. prom., 43 no. 5:1-5 My '67.

METHANE

Adsorption and electrooxidation of methane on electrodes of platinum metals. R. V. Marvet, O. A. Poti. I. Elektrokhimiya 3 no. 2:153-161 '67.

Determining minimum concentration of methane homologs in injected gas during critical oil displacement. M. Z. Kornsev, Nauch.-tekhn. sbor. po doh. nefli no. 30 87-91 '66

Disproportionation of hydrogen in terpenes of the meta series, silvestrene and menth-1,3 (8)-diene, I. J. Bardychev, E. N. Menikov, A. L. Pertsivskii, Zhur. org. khim., 3 no. 4:685-690 Ap '67.

Effect of methane homologs on the conversion of natural gas with water vapor and carbon dioxide. S. P. Grishko, M. Kh. Karapet'iants, Khim. prom., 43 no. 4 48-48 Ap '67.

Heterogeneity of the thermal decomposition of methane. N. V. Lavrov, S. F. Evlanov, Dokl. AN SSSR 173 no. 5: 1139-1141 Ap '67

MILITARY ART AND SCIENCE—MATHEMATICS

Anureev, I. L., and A. E. Tatarchenko. [Use of mathematical methods in military affairs]. *Primeneniye matematicheskikh metodov v voennom dele*. Moskva, Voenizdat, 1967. 242 p.

Rationalization of instruction. B. Sladkevich. *Tekhn. Vooruzh.* 25 no. 2-4-7 F '67.

Using network methods in work practice. R. Zhukov. *Tylinab Sov. Voor. Sil* 27 no. 1 82-86 Ap '67.

Technology and aims. *Tekhn. Vooruzh.* 25 no. 3-10-13 Mi '67.

Foreign military bases are a menace to peace. *Dostizheniya voennoy bazy-agroza mira*. Moskva, Znanie, 1967. 30 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya Mezhdunarodnaya, 8)

Self-propelled bridges. A. Kozhukhar', S. Polinkov. *Tekhn. Vooruzh.* 25 no. 1 16-17 Ap '67.

Disciplinarity of the Armed Forces of the U.S.S.R. [Disciplinarnyiy uslov Voozhennyykh Sil Soiuza SSR]. Moskva, Voenizdat, 1967. 47 p.

Center of attention of the district committee. N. Dokuchayev. *Voen.znan.* 43 no. 3-33 Mi '67.

City committees and primary organizations. I. Kabin. *Voen.znan.* 43 no. 2 32-33 F '67.

An evaluation of skill is needed. A. Baltyshov. *Tekhn. Vooruzh.* 25 no. 3 17 Mi '67.

How to conduct assemblies. I. Gordeev. *Tylinab Sov. Voor. Sil* 27 no. 4 32-35 Ap '67.

An important condition of fruitful training. N. Shevlyakov. *Tylinab Sov. Voor. Sil* 27 no. 1 29-32 Ap '67.

In a rural school. I. Podtelnikov. *Voen.znan.* 43 no. 2 36 F '67.

In honor of the glorious anniversary. I. Lavrukhin. *Tylinab, Sov. Voor. Sil* 27 no. 3 26-29 Mi '67.

Instructional and methodological studies in small units. G. E. Iakov. *Vest. protivovozdushn.* no. 3-31-34 Mi '67.

Jobs and difficulties of research. A. Antonov. *Voen.znan.* 43 no. 3 34-35 Mi '67.

Lead youth in the paths of heroic deeds. N. Demin. *Voen.znan.* 43 no. 2 6-7 F '67.

Leaders. R. Turchenko. *Sov. voen.* 49 no. 7-3-4 Ap '67.

Light edge. P. Proshin. *Voen.znan.* 43 no. 3 43 Mi '67.

Military patriotic education of academy students. Sh. G. Tikhvatulin, D. N. Kuznetsov. *Voen.-med. zhur.* no. 3: 65-69 Mi '67.

A political and ideological upbringing is a problem of paramount importance. A. Lebedev. *Tylinab, Sov. Voor. Sil* 27 no. 3 7-12 Mi '67.

A portable model. B. Turovskii. *Tylinab, Sov. Voor. Sil* 27 no. 4 93-94 Ap '67.

Preparing for the Sixth Congress of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. *Voen.znan.* 43 no. 3 1-2 Mi '67.

Rear troops in the "village" exercises. Marlin Drur. *Tylinab Sov. Voor. Sil* 27 no. 4 24-28 Ap '67.

Sixth All-Union-Conference of the All-Union-Volunteer Society for Assistance to the Army, Air Force, and Navy. *Kryl, rod.* 18 no. 4 2 Ap '67.

Stronger than steel. I. Ishchenko. *Sov. voen.* 49 no. 7-2-3 Ap '67.

They will become officers. N. Shchukhin. *Kryl, rod.* 18 no. 4 8-9 Ap '67.

What to begin with? I. Kosarev. *Voen.znan.* 43 no. 3: 35 Mi '67.

Your commander. F. Chernyshev. *Voen.znan.* 43 no. 3 9-10 Mi '67.

For life's sake. L. Dimont. *Sov. voen.* 49 no. 5 4-5 Mi '67.

Military builders in the year of the anniversary. A. Komarovskii. *Komm. Vooruzh. Sil* 48 no. 8 24-28 Ap '67.

Disinfection by means of a mixture of ethyl alcohol, methyl bromide and some aspects of its use in hygiene. V. T. Osipov. *Voen.-med. zhur.* no. 3: 1-3 Mi '67.

Quantum locating devices. A. Izrael. *Tekhn. Vooruzh.* 25 no. 2 6-10 F '67.

Loading equipment on river vessels. M. A. Tyl. *Tylinab Sov. Voor. Sil* 27 no. 1 10-11 Ap '67.

Capita, teach, uphold. N. Erofeev. *Tylinab, Sov. Voor. Sil* 27 no. 1 60-64 Ap '67.

Servicing of equipment and fuel consumption. Tylinab, Sov. Voor. Sil 27 no. 3 62-65 F '67.

Accuracy in needed. A. P. P. *Tylinab, Sov. Voor. Sil* 27 no. 4 82-83 Ap '67.

Advice to young officers and junior specialists. P. Polushin and others. *Tylinab, Sov. Voor. Sil* 27 no. 3 68-73 Mi '67.

Degree of precision. M. Dubin. *Tekhn. Vooruzh.* 25 no. 1 18-19 Ja '67.

Documentation and reliability. G. Sholodov. *Tylinab, Sov. Voor. Sil* 27 no. 2 11-35 F '67.

Economize government means and improve troops. A. Kizilukhin. *Tylinab, Sov. Voor. Sil* 27 no. 3 53-54 Mi '67.

Mobile technical and operating section. *Tylinab, Sov. Voor. Sil* 27 no. 3 4-5 Mi '67.

Optimization of network schedule graphs. A. A. Leta. *Tekhn. Vooruzh.* 25 no. 2 12-13 F '67.

A plan for providing equipment. V. G. G. *Tylinab, Sov. Voor. Sil* 27 no. 2 11-15 F '67.

Servicing of equipment. I. K. K. *Tylinab, Sov. Voor. Sil* 27 no. 3 30-31 Mi '67.

There are no trivial details in servicing of troops. V. Novikov. *Tekhn. Vooruzh.* 25 no. 1 16-17 Ja '67.

A vacuum chisel. L. Novitskii. *Tekhn. Vooruzh.* 25 no. 2 12-13 F '67.

Your decision? I. G. G. *Tylinab, Sov. Voor. Sil* 27 no. 3 34-38 Mi '67.

Preservation of engineering and automatic equipment. G. K. K. *Tekhn. Vooruzh.* 25 no. 1 10-17 Ja '67.

Psychological training of servicemen. M. K. K. *Komm. Vooruzh. Sil* 48 no. 8 62-67 Ap '67.

The toughening of servicemen during the war. T. Proshin. *Komm. Vooruzh. Sil* 48 no. 8 11-14 Ap '67.

MILK—COMPOSITION

Interrelation of fat and protein in milk of Dutch and Black and White cattle. V. B. Iofe, Vestsi AN BSSR, Ser. sel'sk. hosp. nav. no. 196-99 '67.

Variability, heritability, and interrelation of milk yield, and fat and protein content of milk in Brown Latvian cows and crosses with Jersey cattle. A. S. Rut'lanava, Vestsi AN BSSR, Ser. sel'sk. hosp. nav. no. 189-95 '67.

MILK—TRANSPORTATION see subdivision under Krasnodarsk Territory

MILKING

Machine milking of camels. V. P. Kradenov, Vest, sel'sk. nauki [Kazakh.], 9 no. 12 106-109 D '66.

MILLET see subdivision under Tannuv Province, White Russia

MILLET—DISEASES AND PESTS

2,4-D in sorgo and millet fields. I. A. Makodzeba, L. A. Matukha, Zashch. rast. 12 no. 4 32-33 '67.

MILLET—STORAGE

Effect of the temperature of heating and moisture of millet grain on its preservation. A. Starodubtseva and others. Muz. elev. prom. 31 no. 1 25-27 Mr '67.

MILLING MACHINERY

Extend the service life of the quartz-cement rolls of pulp grinders. P. P. Dobrotvolski, Bum. prom. no. 1 10-11 Ap '67.

MILLING MACHINES

Automatic face-milling machine. V. A. Antipin, Stan. i mash. 10 no. 4 38 Ap '67.

Device for cutting components on a lathe. P. I. Zotov, M. I. Letuchii, Energetik 15 no. 3 35 Mr '67.

Milling and broaching machines. S. S. Chernikov, Stan. i mash. 38 no. 5 23-27 My '67.

MILLING MACHINES—NUMERICAL CONTROL

Control of bracket-milling machines. IU. D. Vragov, N. I. Popov, Stan. i mash. 38 no. 4 1-4 Ap '67.

MINE ACCIDENTS

(see also subdivision under Artem region, Maritime Territory)

Partitioned blind workings in areas of accidents in mines. V. G. A. Shava, Bezop. truda v prom. 11 no. 5 10-11 My '67.

Principles of the method of an overall control of gas emission, sudden outbursts of coal and gas, spontaneous firing, rock bumps, and coal dusts in mines. O. I. Chernov, V. N. Puzryev, Vop. bezop. v ugol' shakht. 7 91-138 '66.

MINE BUILDINGS

Summarized results of the first year of five-year plan, and main objectives of mine building for the next five years. P. I. A. Kagan, Ugol' 12 no. 1 6-9 Ap '67.

MINE BUILDINGS—DESIGN AND CONSTRUCTION see subdivision under Artaly

MINE DRAINAGE

(see also subdivision under Kirov Rog Basin)

Drainage beyond mine contours in mines of Novomoskovskugol' Trust. N. N. Pokol'ev, S. V. Komisarov, Ugol' 12 no. 1 30-42 Ap '67.

Experience in draining "Semenovsko-Golovkovskii" and Bandurovka open-pit mines. N. S. Khmel', Ugol' Ukr. 11 no. 2 35-36 F '67.

Important possibilities for bettering heat conditions in deep Donets basins in coal mines. A. M. Kirovuchko, I. Kh. Bishstein, Ugol' Ukr. 11 no. 3 39-40 Mr '67.

Using brineless freezing of rocks. P. A. Siperber, Ugol' Ukr. 11 no. 1 32-31 Ja '67.

MINE DRAINAGE—EQUIPMENT AND SUPPLIES see subdivision under Kirov Rog Basin

MINE DRAINAGE—GRAPHIC METHODS

Nomograms for industrial calculation of coal mine drainage installations. P. F. Beil'kov, G. M. Nechushkin, V. V. Mazurenko, Ugol' Ukr. 11 no. 3 19-51 Mr '67.

MINE DUSTS

Dust control in coal mines of Czechoslovakia. F. Drobinska, A. V. Drobinska, I. P. Nikitin, Ugol' Ukr. 11 no. 3 54 Mr '67.

MINE DUSTS—PREVENTION

(see also subdivision under Chelyabinsk Province; Korkino region, Chelyabinsk Province)

Device for automatic sprinkling. A. F. Simakov, A. G. Denafon, Bezop. truda v prom. 11 no. 3 5-55 Mr '67.

Dust prevention during the operation of cutters in the mines of the "Sianty" Combine. I. P. Petrov, E. N. Apkhitin, Bezop. truda v prom. 11 no. 5 30-32 My '67.

Dust prevention in the mine air during diamond drilling of holes. K. N. Petrov, V. I. Chuprikov, Bezop. truda v prom. 11 no. 5 44-46 My '67.

Dustiness of air during the boring of holes with ordinary and multipercussion drills. A. P. Sachkov, I. V. Aliagulov, Bezop. truda v prom. 10 no. 10 42-43 O '66.

Experience in multiple injection of air-water mixtures and water into coal seams. G. E. Panov and others, Ugol' 42 no. 4 63-65 Ap '67.

Preliminary wetting of coal by the method of lengthened boreholes. V. N. Andrushchenko, B. N. Pimenov, Bezop. truda v prom. 10 no. 4 11-42 Ap '66.

Preventive silling as a means of controlling the dust in mines. V. M. Malazevskii, G. E. Panov, Bezop. truda v prom. 11 no. 3 1-5 Mr '67.

Reducing air dustiness during borehole drilling with cut-through drills. I. P. Petrov and others. Vop. bezop. v ugol' shakht. 7 185-189 '66.

Results of dust control in open-pit mines. A. I. Potapov, I. N. Usik, IA. I. Ostrovskii, Bezop. truda v prom. 10 no. 10 33-35 O '66.

Work at the courses on the exchange of results in dust prevention in coal mines. P. I. A. Rozenberg, Bezop. truda v prom. 10 no. 10 60-61 O '66.

MINE DUSTS—REMOVAL

Improvement of the nozzle for the pneumatic removal of dust. E. V. Donai, A. A. Pavlov, V. K. Soslenko, Bezop. truda v prom. 11 no. 5 17-49 My '67.

Overall dust removal from the atmosphere in coal faces of development workings during blasting and boring mining method. I. A. Likhachev, Vop. bezop. v ugol' shakht. 7 189-191 '66.

MINE DUSTS—SAFETY MEASURES

Dust control by fogging in air and water mixtures. G. E. Panov, V. V. Suslov, Ugol' Ukr. 11 no. 3 37-38 Mr '67.

MINE EXPLOSIONS

Effect of blowing and washing on sudden outbursts of coal and gas in boreholes. I. P. Chebotov, Bezop. truda v prom. 10 no. 4 35-38 Ap '66.

Opening of coal seams susceptible to sudden outbursts of coal and gas with the aid of vertical shafts. B. S. Rozantsev, A. N. Umrilkin, G. S. Vasin, Vop. bezop. v ugol' shakht. 7 177-181 '66.

MINE EXPLOSIONS—CONGRESSES

International Congress on Problems of Sudden Outbursts of Rocks, Coal, and Gases. V. V. Khodol, Ugol' 42 no. 1 75-77 Ap '67.

MINE EXPLOSIONS—SAFETY MEASURES

Characteristics of the lowering of temperature of the products of methane-air mixture explosion in inter-connected sheathing of explosion-proof electric equipment. A. A. Kaimakov, A. N. Bauer, Vop. bezop. v ugol' shakht. 7 215-220 '66.

Effect of finish smoothness of surfaces on interconnecting of explosion-proof sheathing on cooling of explosion products. A. A. Kaimakov, A. G. Tsaregorodtsev, Vop. bezop. v ugol' shakht. 7 207-214 '66.

OMK-2 mechanical shale dusters. F. I. Venger, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 139-141 '66.

MINE FIRES

Fire resistance of fireproof doors. V. I. Baltaitis, A. M. Kuznetsov, P. P. Petrov, Bezop. truda v prom. 11 no. 4 16-18 Ap '67.

MINE GASES

(see also subdivision under Artem region, Maritime Territory)

Actual gaseness of Kuznetsk Basin coal mines, and results of the analysis of forecasts of gas conditions. K. A. Efremov, V. N. Petchen, Vop. bezop. v ugol' shakht. 7 67-81 '66.

Controlling gas emanation during hydraulic mining of coal in the Kuznetsk Basin. D. M. Polygin, G. P. Dubov, A. I. Dushkov, Vop. bezop. v ugol' shakht. 7 43-61 '66.

Degasing a worked-out area in the pillar system of mining. A. M. Karpov and others, Bezop. truda v prom. 11 no. 5 28-30 My '67.

Effect of the airflow variations on gas conditions in mining areas. L. D. Kolotvina, Vop. bezop. v ugol' shakht. 7 37-51 '66.

Efficiency of the degasification of worked-out sections of Lvov-Volyn' Basin coal mines. V. I. Kravets, V. F. Seleznev, I. G. Tretovich, Ugol' Ukr. 11 no. 2 44-16 F '67.

Emission of methane in preparatory workings during blasting operations. I. I. Lazembash, Bezop. truda v prom. 10 no. 1 8 Ap '66.

Mechanism of coal degasification in the face area of a seam. O. N. Shevchenko and others. Dop. AN URSSR no. 10 132-135 '66.

Prospects of using inhibitors in preventing explosions of methane-air mixtures during blasting operations in gas-prone coal mines. F. M. Gelfand, Izv. vys. ucheb. zav., gor. zhur. 10 no. 2 49-51 '67.

MINE GASES—REMOVAL

Causes of the formation and measures for the removal of methane accumulation layers in horizontal workings. A. L. Sukov and others, Vop. bezop. v ugol' shakht. 7 3-13 '66.

MINE HAULAGE

Neutralization of toxic substances in using truck transportation in open-pit and underground coal mines. I. L. Vaishevskii, R. V. Malov, L. S. Zolotarevskii, Gor. zhur. 142 no. 3 60-70 Mr '67.

MINE HAULAGE—EQUIPMENT AND SUPPLIES

KOS-1,5 haulage equipment complex. V. S. Andriukhin, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 64-65 '66.

Pilot plant operation of high-frequency ERV-4 and 4,5ERV electric locomotives. I. I. Orskhovskii, V. V. Kharlamov, N. V. Chalka, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 41-49 '66.

Tension of conveying rope of DK-1m rope haulage ways. I. A. Shramko and others, Vop. trud. transp. no. 2 227-237 '65.

MINE HAULAGE—SAFETY MEASURES

Project of standard signaling signs for intramane transportation. G. I. Khukh, V. F. Priblud, A. N. Kravchenko, Bezop. truda v prom. 10 no. 10 6-7 O '66.

MINE HOISTING

Automation of the asynchronous motor of a mine skip hoist using a tachometer generator as a voltage divider. A. L. Vlnogradov, V. I. Rizun, Izv. vys. ucheb. zav., elektromekh. no. 2 209-211 F '67.

Load coefficient of inclined hoists in open-pit mines. B. A. Nosytsin, S. M. Kubarov, Izv. vys. ucheb. zav., gor. zhur. 10 no. 2 11-16 '67.

MINE HOISTING—DESIGN AND CONSTRUCTION

PP-3 mobile hoisting equipment. A. L. Kozlov, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 116-120 '66.

PUZ suspension arrangement with KRZ thimbles. V. I. Bondarenko, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 111-116 '66.

MINE HOISTING—ELECTRIC DRIVING

Quality of the system of controlling coal mine hoists with asynchronous driver and rotating stator. E. I. Ivanchenko, C. P. Shketa, Izv. vys. ucheb. zav., gor. zhur. 10 no. 2 137-131 '67.

MINE HOISTING—EQUIPMENT AND SUPPLIES

Adjusting the RDBV (RDBV) control system of automated hoisting machines. IU. P. Lukonshii, IA. K. Lutsulshin, Ugol' Ukr. 11 no. 1 31-42 Ja '67.

Determining the actual radius of rope rounding of deflector pulleys taking into account elastic deformation of the lining. A. D. Minashko, A. I. Novikov, Ugol' Ukr. 11 no. 3 51-52 Mr '67.

Mine hoisting machines in the Donets Basin. K. I. Lihbil'skii, Ugol' Ukr. 11 no. 3 1-3 Mr '67.

Stability of movements of mine hoisting equipment in a flexible reinforcement of the shaft. D. I. A. Moliseenko, Izv. vys. ucheb. zav., gor. zhur. 10 no. 2 102-110 '67.

Stress and deformed state of ring stiffeners on casings of multiple hoist friction sheaves. A. A. Chukryshenko, Izv. vys. ucheb. zav., gor. zhur. 10 no. 2 87-94 '67.

Utilized coal mine cages for bilateral guides. T. V. Lashinov, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 101-111 '66.

MINE HOISTING—SAFETY APPLIANCES

Cage stoppers. V. S. Andriukhin, P. V. Anenkov, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 3 74-82 '66.

Calculation of hoisting cables for deep mines. G. P. Gerasimenko, Bezop. truda v prom. 11 no. 3 42 Mr '67.

Reliability of the performance of protecting appliances on hoisting machines. A. I. Bonkhovich, S. S. Naumov, Gor. zhur. 142 no. 3 74-75 Mr '67.

MINE HOISTING—SAFETY MEASURES

Protective cover for the mechanism of rearrangement of the drums of hoisting machines. A. P. Pimenov, M. P. Kosharnov, Bezop. truda v prom. 11 no. 3 51 Mr '67.

Speed limiters on diagrams of automatic hoisting machines. M. M. Fedorov, Bezop. truda v prom. 11 no. 3 9-12 Mr '67.

MINE INSPECTION

(see also subdivision under Czechoslovakia; Great Britain; Poland)

Expand the rights of the State Mining Inspection. V. G. Plakhotin, Bezop. truda v prom. 11 no. 5 17-19 My '67.

In the State Mining Inspection of the U.S.S.R. Bezop. truda v prom. 11 no. 5 63 My '67.

Ways of improving the inspection work. M. D. Bordinikov, A. P. Semin, V. K. Ashenkov, Bezop. truda v prom. 11 no. 4 9-13 Ap '67.

MINERALOGY—CONGRESSES
Fifth session of International Association of Miners,
in Great Britain, 1966. I. V. Ginzburg. Izv. AN
Ser. geol. no. 4, 156-160 Ap '67.

MINERALOGY, DETERMINATIVE

Absolute age of granitoids and characteristics of composition of their accessory minerals in zone of rare metal ore manifestations in eastern part of Khatyn' Alps in Gornyy Altai. V. A. Kaluzhnyy. Izv. AN SSSR Ser. geol. no. 4 127-131 Ap '67.

Analysis of minerals containing boron with application of ion exchange and complexometry. I. A. Stollanov, I. B. Molzhes. Trudy VSEGEI 125:157-169 '66.

Complete analysis of "lueshik". L. I. Chuenko, V. I. Skrizhinskaya, I. N. Knipovich. Trudy VSEGEI 125:39-45 '66.

Complete analysis of tantalum-niobates, and titanates of complex composition. I. U. N. Knipovich, E. A. Isacova, T. N. Lebedeva. Trudy VSEGEI 125:5-15 '66.

Methodology of complete analysis of brannerite-type minerals. M. P. Belopol'skiy, K. K. Gumbat. Trudy VSEGEI 125:16-26 '66.

MINERALS

(see also subdivision under Altai Mountains; Dnieper Valley; Ukraine)

Associations of lead sulfonitroantimonites in Darasun deposit ores. A. A. Filimonova. Geol. iud. mestorozh. 9 no. 2 107-121 '67.

Scandium in various kinds of raw minerals. L. F. Borisenko, S. I. A. Kaganovich. TSvet. met. 34 no. 7:61-64 Ji '61.

Strength of new hydrate formations of some slag minerals and glasses hydrated over 5-year period. V. S. Goshkov, T. A. Klimelevskaya. Zhur. prikl. khim. 40 no. 4: 775-781 Ap '67.

Vallerite and malachite and conditions of their occurrence in ores. A. S. Genkin, L. N. Vial'sov. Geol. iud. mestorozh. 9 no. 2:91-106 '67.

Widespread parageneses of ore minerals occurring during serpentinization, data on new and insufficiently described minerals. P. Ramdohr. Geol. iud. mestorozh. 9 no. 2 32-43 '67.

MINERALS—SPECTRA

Paramagnetic resonance of electron-hole centers in minerals. L. V. Bershov, A. S. Marfumin. Dokl. AN SSSR 173 no. 2:410-412 Mr '67.

MINERALS—THERMAL PROPERTIES

Indications for melting minerals in some meteorites. D. P. Grigor'ev, A. A. Iasinskaya. Dokl. AN SSSR 173 no. 3:662-664 Mr '67.

MINERALS—EFFECT ON PLANTS see Plants, Effect of minerals on

MINERALS IN PLANTS

(see also subdivision under Georgia)

Effect of sulfur containing fertilizers on the accumulation of nitrogen in legumes. V. A. Shreshov, I. V. Palkova. Agrokhimia no. 5:66-70 My '67.

Iron combination with coenzyme A in plants. E. A. Bolchenko, V. E. Zarin. Dokl. AN SSSR 165 no. 4:1423-1426 D '65.

New colorimetric method for determining phosphorus content of soils and plants. Le Van Tlem [Le-van-Tlem]. Agrokhimia no. 5:117-121 My '67.

Quantitative spectral determination of Fe, Mn, Cu, Zn, Ni, Mo, Cr, and V in plants. M. M. Farafonov and others. Agrokhimia no. 4 125-129 Ap '67.

MINERALS IN SOILS see subdivision under Paylodar Province

MINES AND MINERAL RESOURCES see subdivision under Azerbaijan; Greece; Ukraine

MINGECHAUR RESERVOIR—ORGANIC MATTER

Organic matter in recent bottom sediments of Mingeaur Reservoir. Sh. F. Mekhilev, D. M. Suleimanov, E. A. Mkrtchyan. Dokl. AN Azerb. SSR 22 no. 12:33-36 '66.

MINGECHAUR RESERVOIR—RESERVOIR SEDIMENTATION

Organic matter in recent bottom sediments of Mingeaur Reservoir. Sh. F. Mekhilev, D. M. Suleimanov, E. A. Mkrtchyan. Dokl. AN Azerb. SSR 22 no. 12:33-36 '66.

MINIATURE ELECTRONIC EQUIPMENT

Sizes are becoming still smaller. I. U. Chernyshev. Voen. znan. 43 no. 2:37-38 F '67.

MINIATURE PAINTING, ARMENIAN

The problem of the origin and source of Akhdamar miniature painting. G. G. Akopian. Vses. obschestv. nauk AN Arm. SSR no. 10:42-50 O '66.

MINING ENGINEERING

(see also subdivision under Armenia; Kouradekly region; Kazakhstan)

Gagulin, M. V. [Modern methods and technology of drilling blastholes in underground ore breaking] Sovremennyye sposoby i tekhnologiya bureniya vzryvnykh skvazhin pri podzemnoi otboike rud. Moskva, Nauka, 1967. 144 p.

Nonferrous metal miners getting ready for the 50th anniversary. I. A. Oleinikov. Gor. zhur. 142 no. 3:16-8 Mr '67.

Orientation of intermediate levels from mine shafts. I. I. Aydevov. Gor. zhur. 142 no. 3:72 Mr '67.

Snustov, N. V., and S. S. Panchev. [Miner in development and permanent workings of mines] Prikhodit k podgolovitel'nykh i kapital'nykh vyrobok na rudnikakh. Izd. 2., perer. i dop. Moskva, Nedra, 1967. 204 p.

MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur. i Gor. delo no. 5 My '67.

MINING ENGINEERING—CONGRESSES

Problems of the mines of the future. G. I. Folemaev. Vses. vys. shkoly 25 no. 3:47-48 Mr '67.

MINING ENGINEERING—COSTS

Accounting and cost calculation in ore mining. G. S. Aksenov, G. P. Antonova. Gor. zhur. 142 no. 3:9-11 Mr '67.

Economic meaning of coal mine reorganization. P. Z. Zviagin, B. L. Raikhef. Ugol' Ukr. 11 no. 2:22-26 F '67.

MINING ENGINEERING—EQUIPMENT AND SUPPLIES

Results of operating deep ore chutes. R. S. Peirmakov. Bezop. truda v prom. 10 no. 4:26-28 Ap '66.

MINING ENGINEERING—TABLES, CALCULATIONS, ETC.

Improving the methods of calculating losses and depletion in mining ore deposits using caving systems. M. I. Agoshkov, V. P. Ryzhov. Gor. zhur. 142 no. 3:22-27 Mr '67.

MINING GEOLOGY

(see also subdivision under Donets Basin)

The All-Union Scientific Research Institute for mining Geology and Mine Surveying in the years of Soviet rule. A. N. Omeletchenko. Ugol' 12 no. 1:20-23 Ap '67.

Probability method of forecasting soil swelling intensity in extraction drifts in Moscow Basin coal mines. S. G. Bazhenova. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2 12-14 '67.

Sliding block system of mining thick steeply-pitching layers with conventional technology of coal extraction. V. A. Mikhov, Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2 11 '67.

MINING INDUSTRY—COSTS

Certain problems in determining economic efficiency of the public work in the mining industry of the Soviet Union. M. A. Al'tshuler, N. A. Lohmanov. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2 46-48 '67.

MINING INDUSTRY—FINANCE

Determination and evaluation of lowest grade deposits in mining economy problems. F. N. Roginskii. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2 40-45 '67.

MINING INDUSTRY—MANAGEMENT

Automatic control in mining and ore dressing enterprises. K. V. Zebrev, M. V. Mel'kov. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2:31-39 '67.

Mining industry for ferrous metallurgy in 1966, and its objectives in the jubilee year. V. S. Vinogradov. Gor. zhur. 142 no. 3:3-6 Mr '67.

MINING MACHINERY

Abrasive wear of steel during friction with rocks. A. N. Popov, A. I. Spivak. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2 77-81 '67.

Engineering method of converting piston air engines for various pressures of compressed air in the system. V. V. Ushin, V. P. Kukhar'ko, A. P. Gaiduk. Vop. rud. transp. no. 9 203-205 '65.

Measuring the impact energy of a mechanical pick. I. U. E. Ivanov. Stroitel. dor. mash. 12 no. 3:31-32 Mr '67.

MINING MACHINERY—CONGRESSES

At the collective of the workers of mining and coal mining machinery construction. Ugol' Uia. 11 no. 3:56 Mr '67.

MINING MACHINERY—DESIGN AND CONSTRUCTION

Determining stresses in moving gears of bucket loaders. M. I. Karpienko, A. A. Dikhtar. Vop. rud. transp. no. 9 270-287 '65.

Dynamics of the working element of rock loaders with articulated handles. M. I. Karpienko, I. U. P. Savitskiy. Vop. rud. transp. no. 9 269-276 '65.

MINING MACHINERY—ELECTRIC DRIVING

Determining losses of energy, and selecting the power of propelling asynchronous motors on bucket loaders. G. Sh. Khazanovitch, O. P. Ivanov. Vop. rud. transp. no. 9:287-297 '65.

MINING MACHINERY—EXHIBITIONS

International exhibition of "Intergormash-67" equipment. A. A. Lozneva. Gor. zhur. 142 no. 3:78 Mr '67.

MINING MACHINERY—PARTS

Statistical modeling of stresses upon actuating mechanisms of mining machines with the aid of electronic computers. I. U. N. Kazak. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 2 82-97 '67.

Testing actuating mechanisms on PML-5 loading equipment using electronic digital computers. S. A. Polunanskiy, I. U. P. Savitskiy. Vop. rud. transp. no. 9 238-268 '65.

MINING MACHINERY—SAFETY MEASURES

Eliminate the causes of the breakdown of mining machines. G. P. Kotliarsky. Bezop. truda v prom. 11 no. 4 14-15 Ap '67.

MINING MACHINERY—TESTING

Results of stand testing DPP-15 and MP-16 air engines for rock loaders of the "Kommunist" Plant. V. V. Ushin and others. Vop. rud. transp. no. 9 258-263 '65.

MNK BREEDING

Recent developments in milk breeding. T. I. Burova, I. F. Eysikova, L. V. Mitovnikov. Trudy Mosk. vet. akad. 16 92-108 '57.

MNKS—GENETIC RESEARCH

Effect of hadlund mutation on craniofacial characters of *Mustela vison* Brisson. I. U. E. Egorov. Genetika no. 3 85-91 Mr '67.

MINOR PLANETS see Planets, Minor

MINSK—CLOCKMAKING AND WATCHMAKING—FINANCE

The workshop business accounting, bonuses, and labor organization. M. Plotkin. Sots. trud. 12 no. 5:37-44 My '67.

MINSK—MACHINERY INDUSTRY WORKERS

Friends-rivals. A. Lventov. Sov. prof. soluz. 23 no. 4 12-13 I '67.

MINSK—TELEVISION AND CHILDREN

For children's audiences. K. Bembel'. Sov. radio i tel. 9 no. 3 27 '60.

MINSK—TELEVISION AUDIENCES

Answers to the questions of television audiences. E. Stolina. Sov. radio i tel. 9 no. 5 8 '60.

MINSK—TRANSIT SYSTEMS—EQUIPMENT AND SUPPLIES

Take into consideration the characteristics of communal services. A. Kokhan. Plann. khoz. 44 no. 5 57-61 My '67.

MINT (BOTANY)

The SMS-2, 8 planter for sowing mint rhizome and planting fertilizers. I. A. Rozochil. Sbor. rab. po masl. i chlomasi, kul'. no. 1:60-73 '66.

MINUSK BASIN—EARTH TEMPERATURE

Heat flow of earth according to boreholes in South Minusinsk Trough. U. I. Moliseenko, L. S. Sokolova. Geol. i geofiz. no. 1:75-82 Ja '67.

MINGALIMSAI REGION (KAZAKHISTAN)—MINE ROOF BOLTING—EQUIPMENT AND SUPPLIES

State of stress in reinforced concrete rod fillings mounted in the roof of stopes. G. T. Nestoranko, D. S. Skozobisov. I. U. S. Afanas'ev. Gor. zhur. 142 no. 3 32-34 Mr '67.

MIRRORS

Protection of aluminized mirrors operating in the ultraviolet region of the spectrum. O. A. Molodtsov, V. N. Rozhdenskiy. Opt. i mekh. prom. 34 no. 4 40-43 Ap '67.

MISTLETOE

Changes in cell division mechanism as affected by phytochemically active substances from *Viscum album* L. extract. G. A. Al'pin. Fiziol. rast. 14 no. 2:271-275 Mr-Apr '67.

MITES

(see also subdivision under Kemerovo Province)

Mite of the genus *Tydeus* (Acariformes, Tydeidae), a grape pest of Moldavia. N. I. Mal'chenkova. Ent. obozr. 46 no. 1 117-121 '67.

MITOCHONDRIA

Mechanism of ubiquinone functioning in mitochondria.

L. M. Baikham, L. A. Blumentfeld. Blokhimika 32 no. 2:388-397 Mr-Apr '67.

Oxidation of gamma-aminobutyric acid by brain mitochondria. V. N. Chikvaizov. Soob. AN Gruz. SSR 46 no. 2:403-406 F '67.

MITRAL VALVE—DISEASES

Some changes in the X-ray picture of the heart and pulmonary circulation following electric defibrillation in mitral defects. V. P. Radushkevich and others. Vses. rent. i rad. 12 no. 2 69-74 Mr-Apr '67.

MTSKEVICH, SERGEI IVANOVICH, 1860-1944

S. I. Mtskevich. Izv. SSSR no. 2:111-118 Mr-Apr '67.

MIXING

Blending of petroleum and petroleum products in storage tanks in consecutive pipeline. I. Kh. Khizgiyev. Razrab. nef. i gaz mest. no. 1 52-55 '65.

Effect of mixing on the process of chemical transformation in the system gas-liquid. I. S. Pavlushenko, L. N. Draginskii, V. N. Brylov. Zhur. prikl. khim. 34 no. 4: 805-815 Ap '61.

Mass transfer in a pipe with wetted wall during gas phase mixing. N. N. Kulov, V. A. Malusov. Dokl. AN SSSR 173 no. 4:876-879 Ap '67.

- MILKING MACHINERY—DESIGN AND CONSTRUCTION**
Efficiency of the performance of drum mixers at the sintering plant of the Southern Mining and Dressing Combine V. A. Matvienko, N. D. Chernenko, G. A. Zhm. 112 no. 3 59-61 Mr '67
- Influence of the moisture and fineness of concentrates on the quality of charge melting and sinter strength, D. G. Khokhlov, G. I. Komolnikov, Stal' 27 no. 3 193-197 Mr '67
- MIXTURES—ANALYSIS**
Conditions for obtaining maximum reliability in optical absorption analysis, I. O. Sali, Zhur. prikl. spekt. 6 no. 4 530-533 Ap '67
- MOBILE RADIO STATIONS**
(See also subdivision under Buryat A.S.S.R.)
A radio editorial office on wheels, Sov. radio i tel. 4 no. 1-10 '66
- Seventy days on the way, IU. Letunov, K. Retinskii, Sov. radio i tel. 9 no. 3 15-18 '66
- MOBILE TELEVISION STATIONS**
Moscow-Vladivostok, V. Andreev, Sov. radio i tel. 9 no. 3 25 '66
- MODELS AND MODELMAKING**
Simulation in education, A. A. Shibanov, Sov. pedagog. 32 no. 4 119-126 Ap '67
- Technical simulation is the most important means of polytechnic training of students, I. I. Vorobeyev, S. A. Limanskii, Shkola i prosv. 11 no. 3 7-13 Mr '67
- Visual instruction aids in mechanical engineering, N. N. Mamaev, Shkola i prosv. 11 no. 3 56-57 Mr '67
- MODULATION (ELECTRONICS)**
Comparative evaluation of communication systems with different forms of modulation, I. I. Petrov, Radiotekhnika 22 no. 4 7-15 Ap '67
- Effect of counterirradiation on the excitation of a delaying line by a maximally modulated electron stream, S. V. Galaktionov, G. F. Filimonov, Zhur. tekh. fiz. 37 no. 3 481-484 Mr '67
- Single-cycle third-order pulse-width modulation, V. V. Malanov, Radiotekhnika 22 no. 4 1-6 Ap '67
- Structural networks of first-order pulse time modulators, O. M. Dzhavlin, Avtom. telemek. no. 4 71-79 Ap '67
- Wide-band ultra-high-frequency modulation of light, Z. V. Neustroeva, Opt.-mekh. prom. 34 no. 3 12-16 Mr '67
- MOSSBAUER EFFECT**
Mössbauer effect as analyzer in tracer technique, R. A. Stukan, V. I. Gol'danski, E. I. Makarov, Dokl. AN SSSR 165 no. 6 1317-1340 D '65
- Mössbauer effect in tin-containing glasses, K. P. Bilirfanov, T. A. Sidorov, Fiz. tver. tela 9 no. 3 890-891 Mr '67
- Mössbauer spectra of diethoxyantimonatetrakisdimethylammonium, A. V. Iblor and others, Dokl. AN SSSR 173 no. 3 595-597 Mr '67
- [The nonsplit Dy161 absorption line of natural width in Dy₂O₃ at $t \approx 500^\circ\text{C}$] Nerasheptennaya linia pogloshcheniya Dy161 oestvennoi shiriny v Dy₂O₃ pri $t \approx 500^\circ\text{C}$, [By] V. V. Skliarskii i dr., Moskva, 1963 6 p.
- Study of limonite (Fe₂O₃) by nuclear gamma-resonance method, Sh. Sh. Bashkurov and others, Dokl. AN SSSR 173 no. 2 407-409 Mr '67
- MOGILEV-PODOL'SKIY DISTRICT—CIVIL DEFENSE**
Organization and control, P. A. Naurov, Voenn. znan. 13 no. 2 18-19 Mr '67
- MOGILEV PROVINCE—AZOTOBACTER**
Conditions of the distribution of Azotobacter in turf-Podzolic soils, A. V. Krasikova, A. A. Margo, M. A. Pashkova, Vestn. AN BSSR, Ser. sel'hoz. nav. no. 1-16-22 '67
- MOISSANITE**
(See also subdivision under Azov Sea region)
Composition and structure of crystalline rocks of southern slope of Voronezh anticline, V. M. Mashyn, V. I. Sharzhynskiy, Dop. AN URSS Scr. B 29 no. 1 24-27 Ja '67
- MOISTURE**
Effect of relative air moisture on the formation of H₂O₂ in the atmospheric corrosion of magnesium and aluminum, I. L. Rolik, D. M. Rafalovich, Zhur. prikl. khim. 34 no. 4 864-870 Ap '61
- Hot blast moistening with the use of natural gas, K. I. Kotov, Izv. vyz. ucheb. zav., chem. met. 10 no. 4 24-28 '67
- MOLASSES**
Economic effectiveness of the use of molasses in the national economy, P. V. Rudnikskii, B. I. Dvoinchik, I. V. Nikolaeva, Feim. i sp. t. prom. 33 no. 3 26-29 '67
- MOLASSES—DENSITY**
New pneumatic isodronic controller of density, IU. G. Korolov, M. P. Asmev, Izv. vyz. ucheb. zav., pishch. tekhn. 2 no. 114-117 '67
- MOLDAVIA**
Livshin, M. L., A. I. Podolian, and V. L. Tulikhu. [Get acquainted with Moldavia] Poznakom'tes' - Moldavia. [Kishinev, Karta Moldoveniaske, 1967] 181 p.
- MOLDAVIA—AGRICULTURE**
An aggressive experience is being supported, Part. zhizn' no. 7-65 Ap '67
- MOLDAVIA—CARROTS**
Essential oil content of wild carrot in Moldavia, G. I. Mescheruk, Trudy Bot. inst. Ser. 5 no. 12 110-115 '65
- MOLDAVIA—ECONOMIC CONDITIONS**
In the radiant constellation of fraternal republics, Komm. Ukr. 41 no. 4 32-41 Ap '67
- MOLDAVIA—EVENING AND CONTINUATION SCHOOLS**
How we inculcate advanced experience, G. A. Chepurnyi, I. L. Izobchitskii, Vech. shkol. shkola 10 no. 2 78-79 Mr-Apr '67
- MOLDAVIA—GAME AND GAME BIRDS**
Uspenski, G. A. and M. N. Lozan. [Fauna of commercially hunted animals of Moldavia and ways for its enrichment] Okhotnich'ya fauna Moldavi i puti ee obogashcheniya, Kishinev, Karta Moldoveniaske, 1966, 161 p.
- MOLDAVIA—GEOLOGY, STRATIGRAPHIC**
Stratigraphic position of Mesozoic variegated sediments in southern part of Moldavian S.S.R., P. D. Bukatchuk, G. A. Ivanovskaya, Dokl. AN SSSR 173 no. 2 387-390 Mr '67
- Stratigraphy of Paleogene sediments in Moldavian S.S.R., P. D. Bukatchuk, B. V. Burdenko, H. O. Ivanovskaya, Dop. AN URSS Ser. B 29 no. 4 289-293 Ap '67
- MOLDAVIA—GRAPES—DISEASE AND PEST RESISTANCE**
Results of studying grapes resistant to Phylloxera at the ampelographic collection of the Moldavian Academy of Sciences (1952-1964), P. Kh. Kishin, Fil. i mery bor. s nel. no. 2 54-63 '66
- MOLDAVIA—GRAPES—DISEASES AND PESTS**
Mite of the genus Tydeus (Acari-formes, Tydeidae), a grape pest of Moldavia, N. I. Mal'chenkova, Entomob. 46 no. 1 117-121 '67
- MOLDAVIA—GRAPES—VARIETIES**
Comparative and morphological analysis of grape varieties at the ampelographic collection of the Moldavian Academy of Sciences (1960-1964), P. Kh. Kishin, Fil. i mery bor. s nel. no. 2 18-53 '66
- MOLDAVIA—KARAKUL SHEEP**
Problems of the acclimatization of Karakul sheep, literary survey, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 33-47 '66
- MOLDAVIA—MERINO SHEEP**
Merino sheep raising in Moldavia: historical and statistical study, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 21-32 '66
- MOLDAVIA—PHYLOXERA**
Effect of hexachlorobutadiene on soil micro-organisms, N. P. Pavlishina, Fil. i mery bor. s nel. no. 2 27-31 '66
- Effect of hexachlorobutadiene on the nitrogen and moisture conditions of soils, V. V. Khoshlov, Fil. i mery bor. s nel. no. 2 32-36 '66
- Effect of hexachlorobutadiene on the physiology of grapevines, I. F. Slonovskii, N. E. Karaman, Fil. i mery bor. s nel. no. 2 21-26 '66
- Modern state of Phylloxera problems, I. A. I. Prints, Fil. i mery bor. s nel. no. 2 5-12 '66
- MOLDAVIA—PHYLOXERA—EXTERMINATION**
Hygienic evaluation of grapes grown in fumigated soils, A. G. Gul'ko, L. S. Makotkina, Fil. i mery bor. s nel. no. 2 37-38 '66
- Results of studying the effect of hexachlorobutadiene on Phylloxera and on grapevines, I. A. I. Prints, V. M. Kozlov, I. F. Slonovskii, Fil. i mery bor. s nel. no. 2 13-20 '66
- MOLDAVIA—POLITICS AND GOVERNMENT**
The role and place of independent organizations in the system of local self-government, B. L. Koroluk, Pyt. nauk kom. no. 1 112-120 '66
- MOLDAVIA—RURAL CONDITIONS**
Trusheny today, N. Bytko, Kommunist 44 no. 8 85-88 My '67
- MOLDAVIA—SHEEP**
Economics of sheep raising in Moldavia, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 82-106 '66
- Milk productivity of local Tsigai sheep, A. A. Gurun, Trudy Kish. sel'khoz. inst. 47 89-91 '66
- Sheep raising in Moldavia: brief historical and economic study, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 3-9 '66
- System of sheep husbandry in Moldavia, some problems of the technology of production, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 107-117 '66
- Use of early lambing in Astrakhan-type sheep raising, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 56-62 '66
- MOLDAVIA—SHEEP BREEDING**
Inheritance of some race characters in Tsigai sheep, literary survey, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 63-75 '66
- Restoring local type of Moldavian Tsigai sheep, work on the "Albota" State Farm, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 75-83 '66
- Some problems of selection in breeding local Astrakhan-type sheep, F. V. Il'ev, N. I. Bogdan, Trudy Kish. sel'khoz. inst. 47 40-55 '66
- MOLDAVIA—SHEEP BREEDS**
From past Tsigai sheep raising in Moldavia, F. V. Il'ev, Trudy Kish. sel'khoz. inst. 47 10-21 '66
- MOLDAVIA—TELEVISION PROGRAMS**
Songs of the Dniester, V. Zorkii, Sov. radio i tel. 4 no. 4 30 '66
- MOLDAVIAN AUTHORS** see Authors, Moldavian
- MOLDING (FOUNDING)**
Improving the casting of the blades of shot-peening, V. F. Sumstov and others, Tekh. org. prosv. 2 no. 40 Mr-Apr '67
- Mechanism of the formation of easily separable crust, P. V. Chernogorov, A. P. Nikiforov, Izv. vyz. ucheb. zav., mashinost. no. 1 195-198 '67
- MOLDING MACHINES**
Automatic pressing of molds, V. M. Krivosheev, Mera avtom. prosv. 21 no. 4 1-4 '67
- MOLDS (BOTANY)**
Mutagenic effect of nitrosomethylurea on Trichoderma roseum Link., producer of the antibiotic trichothecins, R. A. Makal'mova, I. A. Rapoport, Genetika no. 3 11-13 Mr '67
- MOLE RAT—EXTERMINATION**
Mole rat, N. M. Duketskaya, Zashch. rast. 12 no. 1 11 '67
- MOLECULAR BEAMS**
Calculation of molecular streams along channels, E. B. Gordon, A. N. Ponomarev, Zhur. tekh. fiz. 37 no. 5 953-959 My '67
- Using the method of molecular beam modulation to increase the sensitivity of a mass spectrometer, H. E. Rutgizer, Zhur. tekh. fiz. 37 no. 3 562-565 Mr '67
- MOLECULAR BIOLOGY**
Relationship of carcinogenic properties of chemical compounds to intermolecular transmission of electric charges, R. E. Kavetskii, I. P. Sidorik, L. M. Khat'kovskaya, Eksp. onk. no. 2 5-17 '66
- MOLECULAR ORBITALS**
Calculation of molecular systems by the method of coordinated wave functions, Part 4: Configurationally arbitrary orbital filling, L. G. Kaplan, Teor. i eksper. khim. 3 no. 2 150-159 Mr-Apr '67
- Effective charges of metal atoms in complexes of elements of the first transition period, K. B. Ataman, I. I. Volchenkova, Teor. i eksper. khim. 3 no. 1 10-16 Ja-F '67
- P π -Conjugation and character of hybridization of the atomic orbital of an unshared pair of electrons, F. Tsvetkov, D. A. Bocharov, M. I. Kabachnik, Teor. i eksper. khim. 3 no. 1 3-8 Ja-F '67
- Symmetry of atomic environment and magnetic properties of 3d-transition metal monosulfides, F. A. Silchenko, Fiz. metal. i metalloved. 23 no. 3 516-520 Mr '67
- MOLECULAR ROTATION**
Centrifugal distortion constants of XY₂-type nonlinear symmetrical molecules. Part 2, IU. S. Makushkin, Izv. vyz. ucheb. zav., fiz. 10 no. 2 79-82 '67
- Effect of rotation on the vibrational relaxation of diatomic molecules, E. B. Nikitin, Teor. i eksper. khim. 3 no. 2 185-190 Mr-Apr '67
- Studying the rotational isomers of methyl dichlorophosphate CH₃OP(S)Cl₂, A. F. Vasil'ev, Zhur. prikl. spekt. 6 no. 4 485-491 Ap '67
- MOLECULAR SPECTRA**
Calculation of root-mean-square vibration amplitudes, A. N. Malonov, I. N. Godnev, Zhur. prikl. spekt. 6 no. 5 526-529 Ap '67
- Effect of certain features of conjugation on the characteristic frequencies of (C=O)- and (C=N)- groups in the infrared spectra of molecules, I. N. Iukhnovskii, Teor. i eksper. khim. 3 no. 1 123-125 Ja-F '67
- Low-frequency spectra of some low-melting organic crystals with statistically disordered structure, F. G. Brutan, A. V. Seelikarev, Izv. vyz. ucheb. zav., fiz. 10 no. 2 46-50 '67
- Spectral determination of small quantities of fluorine by molecular band of CuF, O. A. Kul'ska, O. B. Troshkina, Dop. AN URSS no. 10 1346-1349 '66
- MOLECULAR STRUCTURE**
Calculation of conformations of overloaded aromatic molecules, V. G. Dashkovskii, A. I. Kitagorodskii, Teor. i eksper. khim. 3 no. 1 43-57 Ja-F '67
- Conformation analysis of aromatic molecules, A. I. Kitagorodskii, V. G. Dashkovskii, Teor. i eksper. khim. 3 no. 1 35-42 Ja-F '67
- Differences in supermolecular structures of amorphous polyarylates obtained by interfacial polycondensation and high-temperature polycondensation in a homogeneous medium, G. I. Slonovskii and others, Dokl. AN SSSR 165 no. 6 1323-1324 D '66

MOLECULAR STRUCTURE (Continued)

- Distribution of intensities in the rotational and vibrational structures of the first negative system of N_2^+ bands originating in the dissociation of N_2O by ion impact. G.N. Polikova, I.A. M. Fogel', Khim. vys. energ. 1 no. 2:103-106 Mr-Apr '67.
- Magnitude of SiOSi angle in carbocyclosiloxanes. L.M. Volkova, N.A. Chumachenko. Dokl. AN SSSR 173 no. 3 558-601 Mr '67.
- Molecular refractions in boronitrous compounds. I.S. Panide. Dokl. AN SSSR 165 no. 6:1320-1322 D '65.

MOLECULES

- Comparison of the strain susceptibility of valency angles of carbon and silicon atoms. K. Dzhanpazidze. Trudy Tbil. GU 74 265-266 '69.
- Dissociation of molecules with meteor trails. I.U. P. P. Inglin. Geomag. i aer. 7 no. 2 383-385 Mr-Apr '67.
- On the effect of weak interaction on the structure of molecular levels. O. Vozmozhdnoy vliyanie slabogo vzaimodeystviya na strukturu molekulyarnykh urovnei. [Dubna, 1967] 8 p.

MOLUSKS

- Testacea from some caves and karst deposits. O.I. Chibrikova. Zool. zhur. 46 no. 2:181-186 F '67.

MOLUSKS—PARASITES see Parasites—Mollusks

MOLUSKS—PHYSIOLOGY

- Function of the excretory organs of marine lamellibranchiate and cephalopodous Mollusca. V.G. Vasil'eva, A.G. Ginetalskii, I.U. V. Natchin. Fiziol. zhur. 48 no. 7:869-878 Je '62.

MOLUSKS, FOSSIL see Subdivision under Dilepor-Dolens Lowland

MOLTEN METALS see Liquid metals

MOLYBDATES

- Potassium molybdate derivatives of organic bases. R.G. Belles, F.M. Beukens. Zhur. neorg. khim. 12 no. 4: 884-892 Ap '67.
- Thermodynamic properties of alkaline earth molybdates. T.N. Rezukhina, V.A. Levitskii. Izv. AN SSSR, Neorg. mat. 3 no. 1:138-145 Ja '67.

MOLYBDENUM

- Effect of molybdenum on properties of stainless instrument steels. M.A. Gelles, E.I.A. Razina. Izv. vuzov. zhelez. i chern. met. 30 no. 7:135-139 '67.
- Electrochemical behavior of molybdenum and tungsten in acid and neutral solutions. V.G. Buzdine and others. Trudy Inst. khim. nauk AN Kazakh SSR 15 15-20 '67.
- Possibility of molybdenum migration in vapor phase of molybdate solutions at increased temperatures. N.I. Khitarov, L.A. Asatunian, S.D. Mallin. Geokhimiya 2 155-160 '67.
- Reclamation of molybdenum scrap. S.A. Viktorovskii and others. TSvet. met. 31 no. 7:87-88 Ji '61.
- Vapor pressure of molybdenum of different purities. G.P. Kovtun, A.A. Kravtchuk. Izv. AN SSSR, Met. no. 2:222-221 Mr-Apr '67.

MOLYBDENUM—ANALYSES

- Photometric determination of molybdenum in niobium and titanium-base alloys using thionitric acid. I.A. Poljak, I.S. Bashkova. Zhur. anal. khim. 22 no. 2:200-204 F '67.
- Spectrophotometric determination of molybdenum in steels and alloys by the thiocyanate method using tartaric acid as reducing agent and ultraviolet light. I.P. Kharlamov, Z.P. Kozhova. Zhur. anal. khim. 22 no. 2 278-280 F '67.

MOLYBDENUM—EFFECT ON PLANTS see Plants, Effect of molybdenum on

MOLYBDENUM ALLOYS—ANALYSIS

- Analysis of molybdenum alloys. T.N. Nazarchuk, I.N. Kugal, O.F. Galadzhali. Zhur. anal. khim. 22 no. 2:210-243 F '67.

MOLYBDENUM COMPOUNDS

- Thioxenals of pentavalent molybdenum, amperometric titration. V.I. Suprunovich, I.U. Usalenko. Khim. tekhn. no. 4:27-33 '66.

MOLYBDENUM-NIOBIUM-ALUMINUM ALLOYS see Niobium-molybdenum-aluminum alloys

MOLYBDENUM NITRIDE CRYSTALS

- Hexagonal molybdenum nitrides. N.V. Tikhonina, Z.G. Pleskuz. Kristallografiya 6 no. 1:43-40 Ja-F '61.

MOLYBDENUM-RHENIUM ALLOYS—BRITTLENESS

- Formation of microcracks in the Mo-35 at % Re alloy. I.U. Domkin. Fiz. met. i metalloved. 23 no. 4:754-756 Ap '67.

MOLYBDENUM-TITANIUM-ZIRCONIUM ALLOYS

- Isothermal sections at 600° and 750° C of the phase diagram of the system molybdenum - titanium - zirconium. D.A. Prokoshkin, M.I. Zakharova. Izv. AN SSSR, Neorg. mat. 3 no. 1:87-93 Ja '67.

- Phase diagram of the ternary system molybdenum - zirconium - titanium. A.M. Zakharov, E.M. Savitskii. Izv. AN SSSR, Neorg. mat. 3 no. 4:661-667 Ap '67.

MOLYBDIC ACIDS

- Interaction of tungstic and molybdic acids and their anhydrides with ammonia, ammonia solution, and hydrogen chloride. A.P. Buntin, A.M. Gedgasev. Zhur. prikl. khim. 40 no. 4:722-727 F '67.

MONEY see Subdivision under Kazakhstan

MONGOLIA—CHINESE

- Explanation of the Mongolian Telegraph Agency. Inform. bul. MNRP no. 1/2 75 '64.

MONGOLIA—COMMUNIST PARTY

- Informational notes regarding the Plenum of the Central Committee of the Mongolian People's Revolutionary Party. Inform. bul. MNRP no. 1/2 3-4 '64.
- Letter of the Central Committee of the Mongolian People's Revolutionary Party of June 12, 1964 to the Central Committee of the Communist Party of China. Inform. bul. MNRP no. 1/2 80-85 '64.
- Marxist-Leninist position of the Mongolian People's Revolutionary Party. Inform. bul. MNRP no. 1/2 74-78 '64.
- "Namyin am'dral" discussed on the pages of "Kommunist." Kommunist 44 no. 7:79-90 My '67.
- Resolution of the Fifth Plenum of the Central Committee of the Mongolian People's Revolutionary Party. Inform. bul. MNRP no. 1/2 35-47 '64.
- Resolution of the Fifth Plenum on the controversies between the leaders of the Chinese Communist Party and the world Communist movement and the position of the Mongolian People's Revolutionary Party. Inform. bul. MNRP no. 1/2 52-55 '64.
- Results of the Congress of First Secretaries of the Central Committees of the Communist and Workers' Parties and Heads of Governments of the Mutual Economic Assistance Council Countries held in July 1963. Inform. bul. MNRP no. 1/2 5-34 '64.

MONGOLIA—CONSTRUCTION INDUSTRY

- State and measures for further developing major construction projects in Mongolia. Resolution of the Fifth Plenum of the Central Committee of the Mongolian People's Revolutionary Party. Inform. bul. MNRP no. 1/2 38-51 '64.

MONGOLIA—ECONOMIC CONDITIONS

- "Namyin am'dral" discussed on the pages of "Kommunist." Kommunist 44 no. 7:79-90 My '67.

MONGOLIA—ECONOMIC POLICY

- Trade unions of Mongolia and developing production. B. Magsamzhav. Sov. profsoyuzy 23 no. 4 78-30 F '67.

MONGOLIA—FOREIGN ECONOMIC RELATIONS

- Resolution of the Fifth Plenum of the Central Committee of the Mongolian People's Revolutionary Party. Inform. bul. MNRP no. 1/2 35-37 '64.
- Results of the Congress of First Secretaries of the Central Committees of the Communist and Workers' Parties and Heads of Governments of the Mutual Economic Assistance Council Countries held in July 1963. Inform. bul. MNRP no. 1/2 5-34 '64.

MONGOLIA—GOATS—DISEASES AND PESTS

- Baatar, B. [Necrobacillosis of sheep and goats in the Mongolian People's Republic] Nekrobatsilloz ovts i koz v Mongol'skoi Narodnoi Respublike. Pod red. A.A. Volkov, Frunze, Ilim, 1967. 70 p. (DNAL)

MONGOLIA—INDUSTRIES

- The new industrial center of the Mongolian People's Republic. G. Nikolaev. Mezhdunar. zhurn. 14 no. 5 141-142 '67.

MONGOLIA—ROCKS, IGNEOUS

- Forming granitoids of central Mongolia. V.A. Bobrov, I.U. M. Loginov. Dokl. AN SSSR 173 no. 3:641-644 Mr '67.

MONGOLIA—SHEEP—DISEASES AND PESTS

- Baatar, B. [Necrobacillosis of sheep and goats in the Mongolian People's Republic] Nekrobatsilloz ovts i koz v Mongol'skoi Narodnoi Respublike. Pod red. A.A. Volkov, Frunze, Ilim, 1967. 70 p. (DNAL)

MONGOLIA—TRADE UNIONS

- Adamsuren, D. [Trade unions of the Mongolian People's Republic. Translated from the Mongolian] Profsoyuzy Mongol'skoi Narodnoi Respubliki. [Moskva] Profizdat, 1967. 40 p.
- Trade unions of Mongolia and developing production. B. Magsamzhav. Sov. profsoyuzy 23 no. 4:78-30 F '67.

MONGOLIA—WOMEN

- Speech of Comrade U. Tselenbal, First Secretary of the Central Committee of the Mongolian People's Revolutionary Party, Chairman of the Council of Ministers of the Mongolian People's Republic at the Fourth Congress of Mongolian Women June 26, 1964. Inform. bul. MNRP no. 1/2 55-56 '64.

MONGOLIAN PERIODICALS

- "Namyin am'dral" discussed on the pages of "Kommunist." Kommunist 41 no. 7:79-90 My '67.

MONTILALES

- Glucogalactans from Sporotolomyces roseus. N.P. Elinov, G.A. Vilovskaya. Biophytilla 32 no. 2 337-340 Mr-Apr '67.

MONTILALES—CULTURES AND CULTURE MEDIA

- Effect of drying procedure on yield, viability and virulence of Beauveria bassiana (Bals) Vuill. spores. V.M. Gurel'. Prikl. biokhimiya i mikrobiol. 3 no. 2 215-217 Mr-Apr '67.

MONOCHROMATOR

- Alterations in the nonsymmetric scheme of a monochromator with plane diffraction grating. I.V. Pelsakhson. Zhur. prikl. spekt. 6 no. 4:440-445 Ap '67.

MONOMERS see Subdivision under Moscow

MONOMYCIN

- Prolongation of tetracyclins and monomycin by means of aqueous solutions of polyvinyl pyrrolidone. V.A. Kochetkova, G.B. Berfelgelm, F.P. Sidelnikovskaya. Antibiotiki 12 no. 4:301-307 Ap '67.

MONTE CARLO METHOD

- Calculating the energy distribution of electrons passing through thin layers of a substance. A.T. Akpeiman, I.U. G. Litov. Fiz. tver. tela 9 no. 3 766-771 Mr '67.
- Calculation of correlation functions of hydraulic conductivity and well production in nonuniform layers using Monte-Carlo method. V.V. Skvortsov, A.V. Il'ina, E.S. Khamitova. Nauch.-tekhn. sbor. po dob. nefli no. 30 75-82 '66.
- Method for decreasing dispersion in the Monte-Carlo method. O.V. Grigor'eva. Uch. zap. Kaz. un. 125 no. 6:79-81 '65.
- Monte-Carlo method for an elliptical-type boundary value problem. O.V. Grigor'eva. Uch. zap. Kaz. un. 125 no. 6:82-84 '65.

MONTMORILLONITE

- Nature of interaction of water with montmorillonite surface. Report No. 2: Heat and entropy of adsorption of water vapor on cation-substituted montmorillonite. I.U. L. Tsvetevich, F.D. Ovcharenko. Uch. khim. zhur. 33 no. 2:165-172 '67.

MONTREAL—EXHIBITIONS

- Chervyakov, P.A. [The World Exhibition in Montreal, 1967] Vsemirnaya vystavka v Monteale (1967 god). Moskva, Znanie, 1967. 47 p. (Novoe v zhizni, nauka, tekhnika. VII Seriya. Mezhduнародnaya, 10)
- The "EXPO-67" in Montreal, A. Babadzhanyan. Mezhdunar. zhurn. 14 no. 5 132 '67.
- Exposition of planet earth. E. Lebedev. Vneshtorg. 47 no. 3:30-31 '67.

- Opening of EXPO-67. Nov. vrem. 25 no. 19:24 My '67.

MONUMENTS

- Protection of the monuments of history and culture in the R.S.F.S.R. D.A. Ruklovich. Ist. SSSR no. 2:102-206 Mr-Apr '67.

MOON—MAPS

- On the map of the other side of the moon. I.U. Irlukov. Av. i kosm. no. 4:20-23 Ap '67.

MOON—OBSERVATIONS

- Possibility of a more precise definition of some astronomical parameters of the system earth - moon by the use of the optical location method. I.U. L. Kozlov and others. Kosm. issl. 5 no. 2:118-221 Mr-Apr '67.

MOON—TEMPERATURE AND RADIATION

- About the nature of lunar surface emission. I.U. N. Chislakov. Izv. GAO 24 no. 1:63-60 '66.
- Possible interpretations of some variable bands of the lunar emission. N.N. Petrova. Izv. GAO 24 no. 1: 61-65 '66.

MOON PROBES see Lunar probes

MORAL EDUCATION

- Can one teach love? A. G. G. Zernakova. Sem'ia i shkola 22 no. 3:32-33 Mr '67.
- Conference on Moral Education. S. Logina. Doshk. vosp. 40 no. 4:93-94 '67.
- Inculcating the traits of simplicity and modesty in youth. V.P. Perpetysa. Rad. shk. 45 no. 1:67-71 Ap '67.
- Kindness is a sign of humanness. V. Tushina. Doshk. vosp. 40 no. 4:17-19 '67.
- Music and the development of moral traits. K. Khorkov. Nat. obr. no. 4:237-58 Ap '67.
- Personal and social values. V.P. Tugarinov. Sov. pedagog. 31 no. 1:110-118 Ap '67.
- Plant a habit and harvest character. S. Kozlovskaya. Sem'ia i shkola 22 no. 3:44-46 Mr '67.
- Respect for the elders. N. Bogdanovich. Doshk. vosp. 40 no. 4:16 '67.
- Role of children's books in the development of emotions. L. Rubashkina. Doshk. vosp. 40 no. 4:55-57 '67.
- Strength of mutual trust. N.H. Akhramkova. Rad. shk. 45 no. 1:71-75 Ap '67.

MODOVIA—EDUCATION

Business accounting in the workshop and material incentives. A. Privezentsev. Plan.khoz. 44 no.5,31-10 M. '67.

MORDOVIA—COMMUNIST PARTY OF THE SOVIET

Work practices in developing industrial aesthetics at the Moscow clothing factory, "Sallut," V. S. Zinakov. Shvein.prom. no.2 25-28 Mr-Apr '67.

MORDOVIA—COLD STORAGE WAREHOUSES

Work practices in the analysis of fabric utilization. L. A. Rukin, E. L. Freid, Shvein.prom. no.2 34-36 Mr-Apr '67.

MORDOVIA—CONFECTIONERY INDUSTRY—MANAGEMENT

Public bureau of economic analysis under the new conditions. Z. Zhdanova. Bukhg.uchet. no.1 25-28 Ja '67.

MORDOVIA—CONSTRUCTION INDUSTRY—ACCOUNTING

Accounting for payments in construction without the intermediate payments. I. Pobedin. Bukhg.uchet. no.1 16-20 Ja '67.

MORDOVIA—CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES

Supplying construction sites with complete sets of structural materials prepared under plant conditions. Mat.tekh.snab. 2 no.4 45-49 Ap '67.

MORDOVIA—EDUCATION

"Radishchevka" Z. Ginsburg. Nar.obl. no.4,97-104 Ap '67.

MORDOVIA—EDUCATION—EXPERIMENTAL METHODS

Aquainting the students with founding processes. V. F. Evgarfov. Shkola i prozv. 11 no.3 16-21 Mi '67.

MORDOVIA—EDUCATION, COOPERATIVE

In the Pervomajsk Educational Combine. A. V. Bugakov. Shkola i prozv. 11 no.3 21-31 Mr '67.

MORDOVIA—EDUCATION, SECONDARY

Classes in sewing. L. K. Belkova. Shkola i prozv. 11 no.1 16-19 Ja '67.

MORDOVIA—ELECTRIC EQUIPMENT INDUSTRY

About the great and important. V. Sharov, P. Korabelnikov. Sov.radio i tel. 9 no.4 24 '60.

MORDOVIA—ELECTRIC EQUIPMENT INDUSTRY—ACCOUNTING

Shilavina, V. S. [Machine processing of accounting information in electric equipment industry enterprises; practice of the V. V. Kulyshchev Electric Equipment Plant in Moscow] Mekhanizirovannaya obrabotka uchetnoi informatsii na predpriyati elektrotekhnicheskoi promyshlennosti: opyt Moskovskogo elektrozavoda imeni V. V. Kulyshcheva. Moskva, Statistika, 1966. 143 p.

MORDOVIA—ETHNOLOGICAL MUSEUMS AND COLLECTIONS

Gosudarstvennyi muzej etnografii narodov SSSR. (Georgians in the second half of the 19th and the early 20th century) Gruziny II polovina XIX-nachalo XX vv. Leningrad, 1963. 50 p. (Putevoditel po vystavkam)

MORDOVIA—FEBRUARY REVOLUTION, 1917

Establishment of the Moscow Soviet of Workers' Deputies in 1917. A. I. A. Grunt. Ist.SSSR no.2 11-28 Mr-Apr '67.

MORDOVIA—FOOD INDUSTRY

Socialist obligations of the personnel of the Moscow Order of Lenin Food Combine for 1967. Kons. I ov.prom. 22 no.4 5 Ap '67.

MORDOVIA—GEOLOGICAL RESEARCH

Departments of Geology and Mineralogy during the past 100 years. V. P. Bondarev. Izv. TSKHA no.1 205-222 '66.

MORDOVIA—INDUSTRIAL MANAGEMENT

Incentive awards for the best organization of labor. V. Vasil'teva. Sots.trud 12 no.5 50-53 My '67.

MORDOVIA—INDUSTRIAL MANAGEMENT—CONGRESSES

Moskovskaya gorodskaya konferentsiya po voprosam upravleniya nauchnoy organizatsiya truda i upravleniya proizvodstvom, 1967. [Put labor organization on a scientific basis; from materials] Organizatsiya truda i nauchnuyu osnovu, iz materialov. [Moskva] Mosk.rabochii, 1967. 183 p.

MORDOVIA—INDUSTRIAL MANAGEMENT—RESEARCH

The faculty and the plant. V. Orlov, S. Poliakova, V. Protopopov. Vest Mosk. un Ser 7: Ekon. 22 no.2 71-77 Mr-Apr '67.

MOSCOW—INTERNATIONAL BROADCASTING

The radio remained on... V. Rubtsov. Sov.radio i tel. 9 no.2 19-20 '60.

MOSCOW—MACHINERY INDUSTRY—ACCOUNTING

Accounting for the use of equipment in the machine production. V. Filippova. Bukhg.uchet. no.1 16-20 Ja '67.

MOSCOW—MATHEMATICS

Early period of the Moscow School of Mathematics. I. I. Lusterink. Usp.mat.nauk 22 no.2 19-21 '66.

MOSCOW—MEDICAL EDUCATION

Medical school no.18. B. Almazov. Sred.spets. obr. 14 no.3 53-55 M '67.

MOSCOW—MINERALOGICAL RESEARCH

Departments of Geology and Mineralogy during the past 100 years. V. P. Bondarev. Izv. TSKHA no.1 205-222 '66.

MOSCOW—MONOMERS

Thrift of the working man. V. Dolobov. Sov.radio i tel. 9 no.4 37-39 Ap '67.

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Izv. Ispol.kom. Mosk.gor.sov. no.4-5, 0 1 Ap '67.

MOSCOW—PUNCH CARD SYSTEMS BANKING

Possibility of improving machine accounting. Stat. Bank. A. I. U. Kaganovich. Trud. Stat. 2 no.4 40-42 '66.

MOSCOW—RADIO AND MUSIC

Orpheus and Eurydice. A. Akulov. Sov.radio i tel. 9 no.2 21 '60.

MOSCOW—RADIO JOURNALISM—STUDY AND RESEARCH

The third university of radio journalism. Sov.radio i tel. 9 no.4 22-23 '60.

MOSCOW—RADIO PROGRAMS

At least a beginning has been made. D. G. G. Sov.radio i tel. 9 no.3 13-14 '60.

MOSCOW—RADIOBROADCASTING

During the September days of 1960. M. K. K. Sov.radio i tel. 9 no.4 3-5 '60.

Memorable radio page. N. M. M. Sov.radio i tel. 9 no.4 3 '60.

Voices of witnesses of the heroic past. A. D. D. Sov.radio i tel. 9 no.1 16-17 '60.

MOSCOW—REVOLUTION, 1917-1921

How the Bolsheviks of Pechora District strived for Leninist line in the revolution. A. V. V. Ist. KPSS 11 no.1 114-116 Ap '67.

MOSCOW—SOVIETS

Establishment of the Moscow Soviet of Workers' Deputies in 1917. A. I. A. Grunt. Ist.SSSR no.2 11-28 Mr-Apr '67.

MOSCOW—STATISTICS

Mikhailov, O. S. [What the figures tell us about the USSR] TSIFY rasskazivayut o Moskv. [Moskva] Mosk.rabochii, 1967. 69 p.

MOSCOW—STUDENT ACTIVITIES

Guests with the freshmen. V. V. V. Shkoly 25 no.3 50-50 Mi '67.

An interesting way of education and training. Sov.radio i tel. 9 no.10 17-17 '60.

The undying traditions of "Kubanets Pechora." T. Z. Zhembrovskii. Vech.ured.shkola 10 no.2 13-11 Ap '67.

MOSCOW—STUDENTS

In the atmosphere of trustworthiness and truth. A. A. A. Sov.radio i tel. 9 no.10 20 '60.

Meeting friends. S. Kilmova. Sov.radio i tel. 9 no.34-35 '60.

MOSCOW—STUDENTS' SOCIETIES

A school club for young technicians. A. M. M. Shkola i prozv. 11 no.1 41 Ja '67.

MOSCOW—SUBWAYS—DESIGN AND CONSTRUCTION

The minor's gift. B. Markov. Mat.tekh.snab. 2 no.4 30-40 Ap '67.

MOSCOW—TELEVISION

What we want to see on the screen. A. Usakov. Sov.radio i tel. 9 no.2 24-25 '60.

Basic decorations. M. Abramian. Sov.radio i tel. 9 no.5 24 '60.

MOSCOW—TELEVISION BROADCASTING

In the atmosphere of trustworthiness and truth. A. A. A. Sov.radio i tel. 9 no.10 20 '60.

MOSCOW—TELEVISION PLAYS

Research and solutions. F. Bagirov. Sov. radio i tel. 9 no. 4:5-6 '60
A television theater in Moscow. Sov. radio i tel. 9 no. 1:6 '60

MOSCOW—TELEVISION PROGRAMS

Guests of the Moscow television studio. N. Sakonnikov. Sov. radio i tel. 9 no. 3:29 '60
An instructive television program. N. Sakonnikov. Sov. radio i tel. 9 no. 6:4 '60.

MOSCOW—THEATER

[The Moscow Theater of Satire] Moskovskii teatr satiry. [Moskva, Ekstusivo, 1966] 1 v. illus
A particularly dangerous path. O. Pyzhova. Teatr 28 no. 4:47-50 Ap '67

MOSCOW—VACUUM CLEANERS

The faculty and the plant. V. Orlov, S. Pollakova, V. Pichonov. Vest. Mosk. un. Ser. 7. Ekon. 22 no. 2, 71-77 Mn-Apr '67

MOSCOW—WAGES—CLOCKMAKERS AND WATCH-MAKERS

Business accounting in the workshop and material incentives. A. Privezentsev. Plan. khoz. 41 no. 5:31-40 Mj '67.

MOSCOW, BATTLE OF, 1941-1942

Defending our capital. K. Mikhailov. Vest. vys. shkoly 25 no. 3:73-77 Mj '67.

MOSCOW BASIN—CEMENT INDUSTRIES

Pichugin, M. S., and others. [Lithologic-industrial types and characteristics of the distribution of cement raw materials in the central area of the Russian Platform] Litologicheskoye promyshlennyye tipy i zakonomenosti razmeshcheniya tsementnogo syr'ya v Tsentral'nom raione Russkoi platformy. Moskva, Nauka, 1967. 150 p.

MOSCOW BASIN—COAL MINES AND MINING

Probability method of forecasting soil swelling intensity in extinction drifts in Moscow Basin coal mines. S. G. Barchenova. Izv. vys. ucheb. zav. gor. zhur. 10 no. 2, 12-14 '67.

MOSCOW BASIN—COAL MINES AND MINING—MANAGEMENT

First results of operations with the new economic system. G. V. Karpenko, I. U. P. Red'ko, Ugoi Ukr. 11 no. 1:20-23 Ja '67.

MOSCOW BASIN—GASTROPODA, FOSSIL

Some Pleistocene molluscs of the Moscow horizon of western part of Moscow syncline, Eotomaria tidae, second article. V. N. Shchepetnikova. Biol. MOIP. Old. geol. 42 no. 1:109-122 Ja-F '67.

MOSCOW BASIN—RAW MATERIALS

Pichugin, M. S., and others. [Lithologic-industrial types and characteristics of the distribution of cement raw materials in the central area of the Russian Platform] Litologicheskoye promyshlennyye tipy i zakonomenosti razmeshcheniya tsementnogo syr'ya v Tsentral'nom raione Russkoi platformy. Moskva, Nauka, 1967. 150 p.

MOSCOW PROVINCE—AGRICULTURE

Agricultural work in the agricultural administration. M. Shpilov. Zemledel. 29 no. 4:50-61 Ap '67.

MOSCOW PROVINCE—COLLECTIVE FARMS

Milk or rope. G. Lishchik, I. U. Chernichenko. Zhurnal. 31 no. 3:48-51 Mj '67.

MOSCOW PROVINCE—GEOGRAPHY

[Geography of Moscow and the Moscow area. Regional studies] Geografiya Moskvy i Podmoskov'ya. Kraevedenie. Moskva, (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1. 1967. 43 p.

MOSCOW PROVINCE—LIGHTWEIGHT CONCRETE

Striving for high labor productivity. Part. zhizn. no. 7:64 Ap '67.

MOSCOW PROVINCE—OAK

Karpisonova, R. A. [Oak forests in the park-forest zone of Moscow] Dubravy Iesoparkovoi zony Moskvy. Moskva, Nauka, 1967. 102 p. (DNAL)

MOSCOW PROVINCE—PARKS

Karpisonova, R. A. [Oak forests in the park-forest zone of Moscow] Dubravy Iesoparkovoi zony Moskvy. Moskva, Nauka, 1967. 102 p. (DNAL)

MOSCOW PROVINCE—POTATOES—DISEASES AND PESTS

Results of testing prometryn and iritiazine in potato fields. V. A. Zakharenko, N. V. Urina. Khim. v sel'khoz. 5 no. 4:35-37 Ap '67.

MOSCOW PROVINCE—SERVICE INDUSTRIES—MANAGEMENT

If one works with initiative. I. Gordinenko. Sov. profsoyuzy 23 no. 4:13-14 F '67.

MOSCOW UNIVERSITY

Moskovskii universitet. [Handbook for students entering Moscow University] Spravochnik dlia postupalushchikh v Moskovskii universitet. Pod red. V. I. Tropina. [Moskva] 1967. 174 p.

MOSIN, G.

Important guests. N. Chesnokov. Iskustvo 30 no. 3:22-26 '67.

MOSQUITOES

Effect of the amount of consumed blood and additional carbohydrates on oogenesis process in female blood-sucking mosquitoes of the genus Aedes (Diptera, Culicidae) of different weight and age. N. V. Volozina. Ent. obozr. 40 no. 1:49-59 '67

Maslov, A. V. [Bloodsucking mosquitoes of the subtribe Cullsetina (Diptera, Culicidae) of the world] Krovosushechie komary podtriby Cullsetina (Diptera, Culicidae) mirovoi fauny. Leningrad, Nauka, 1967. 181 p. (Opredeleteli po faune SSSR, no. 83)

MOSSES

(see also subdivision under Caucasus, Krasnyye Baki District)

Apogamous sporogonium on the diploid protonema of Splachnum ovatum Hedw. A. S. Lazarenko. Dop. AN URSR no. 1:99-103 '67.

Growing conditions for peat and green mosses in swampy spruce forests. V. S. Ipatov, S. G. Avelintseva. Nauch. dokl. vys. shkoly, biol. nauch. 10 no. 3:67-69 '67.

Polyploidy in leafy moss evolution. A. S. Lazarenko. TSit. i gen. 1 no. 2:15-26 Mj-Apr '67.

MOTHERS

The mother of Communists. L. Safonova. Doshk. vosp. 40 no. 4:32-54 '67

Our mothers. Sem'ia i shkola 22 no. 3,7 Mj '67.

MOTION-PICTURE CAMERAS

Editor and motion picture operator. N. Plevako. Sov. radio i tel. 9 no. 5:21 '60

MOTION-PICTURE CARTOONS

Bellaev, I. A. [Special types of animated cartoon photography] Spetsial'nye vidy mu'ltip'likatsionnykh s'nyemok. Moskva, Iskustvo, 1967. 115 p.

MOTION-PICTURE PHOTOGRAPHY, MEDICAL

Chematography in X-ray diagnosis of gastric cancer. I. U. Shtalov. Vest. i. nat. i. rad. 12 no. 2:3-13 Mj-Apr '67.

MOTION-PICTURE PLAYS

A diploma with reclamation. I. Ganelina. Mol. komm. no. 2:115-117 '67.

MOTION-PICTURE THEATERS—ACCOUNTING see subdivision under Baku

MOTION PICTURES

Film studio for automobile drivers. N. Komarov. Tekh. i voen. 25 no. 1:30-31 Ja '67

Iulkevich, S. I. [Counterpoint of a stage director] Kontrapunkt izhissera. Moskva [Iskusstvo] 1960. 440 p. (SV)

Lenin and cinema art. A. Gak. Mol. komm. no. 4:112-121 '67

Living Chapayev. M. Zak. Mol. komm. no. 3:110-122 '67

MOTION PICTURES, ANTIRELIGIOUS

Antireligious movies and filmstrips. N. Z. Uritskii. Nach. shkola 35 no. 4:69-71 Ap '67.

MOTION PICTURES, DOCUMENTARY

A monument to the revolution. I. Kazakova. Zhurnal. 31 no. 3:18-19 Mj '67.

MOTION PICTURES IN EDUCATION

All advantages. B. Furmanov. Nat. obr. no. 4:70-72 Ap '67.

In skilled hands. V. Vagin. Nat. obr. no. 4:70-78 Ap '67.

Motion pictures during drawing instruction. A. F. Mukin. Shkola i protzv. 11 no. 3:54-55 Mj '67.

To help the schools. Rad. shk. 45 no. 4:66, 62, 109 Ap '67.

MOTION PICTURES IN INDUSTRY

Using high-speed motion-picture photography in investigating the process of rapid deformation. A. I. Lopatin, V. G. Kras'ian, V. V. Savasov. Samoletost. i tekhn. vozd. flota no. 7:85-88 '66.

MOTOR FUELS

Basis for the use of motor, jet and rocket fuels. A. I. Stekhun. Khim. i tekhn. topl. i masel 12 no. 4:64-3 of cover Ap '67.

MOTOR VEHICLE DRIVERS

Front programmed questioning in programmed training. V. Chistilin. Avt. transp. 45 no. 4:52-53 Ap '67.

Why is the training in an evening school worse than in a day school? N. Kokovikhin. Avt. transp. 45 no. 4:53-54 Ap '67.

MOTOR VEHICLES—BATTERIES

Using natural gas in repairing batteries. V. Karlov. Avt. transp. 45 no. 4:42-43 Ap '67.

MOTOR VEHICLES—ENGINES

Dem'ianov, L. A., and S. K. Sarafanov. [Increasing the reliability and durability of motor-vehicle and tractor engines] Puli povysheniya nadezhnosti i dolgovechnosti avtotraktornykh dvigateli. Moskva, Voenizdat, 1967. 151 p.

Gurvich, I. B. [Lifetime of motor-vehicle engines] Dolgovechnost' avtomobil'nykh dvigateli. Moskva, Mashinostroyeniye, 1967. 103 p.

Service life of an engine and its utilization. A. Zarubin. Avt. transp. 45 no. 4:27-29 Ap '67.

MOTOR VEHICLES—IGNITION

Transistor ignition. I. Finkel'shtein. Avt. transp. 45 no. 1:51-52 Ap '67.

MOTOR VEHICLES—LIGHTING

Organizing a stand for headlight regulation. N. Butyrin, A. Shumov. Avt. transp. 45 no. 4:55-57 Ap '67.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

(see also subdivision under Gorlovka, Ukraine)

New equipment for maintenance and repair. P. Karpekin. Avt. transp. 45 no. 4:62 Ap '67.

Reconditioning cylinders. A. Posilnikov. Avt. transp. 45 no. 4:60 Ap '67.

Repairing door handles. A. Akopian. Avt. transp. 45 no. 4:60 Ap '67.

MOTOR VEHICLES—PNEUMATIC EQUIPMENT

Stand for testing pneumatic equipment. V. Kartsev. Avt. transp. 45 no. 4:34-36 Ap '67.

MOTOR VEHICLES—SPRINGS AND SUSPENSIONS

Rope ties for fixing springs. V. Kovalov. Avt. transp. 45 no. 1:50-51 Ap '67.

MOTOR VEHICLES—TESTING

Automatic control device for the stand for testing motor-vehicle driving axles. V. I. Rinzanov, G. A. Smirnov, S. I. Leshkov. Izv. vys. ucheb. zav., mashinost. no. 2, 93-97 '67

MOTOR VEHICLES—TRANSMISSION DEVICES

Calculating transient processes in the thermoelectric driving system of a wheeled vehicle. E. N. Baranov. Izv. vys. ucheb. zav., mashinost. no. 1:90-96 '67.

Damping torsional vibrations in motor-vehicle transmission. I. S. Gorbunovich. Izv. vys. ucheb. zav., mashinost. no. 2:98-102 '67

Evaluating energy losses in a mechanical transmission of a motor vehicle. V. A. Irtanov. Izv. vys. ucheb. zav., mashinost. no. 1:85-90 '67.

Experimental investigation of the loading of motor-vehicle transmission in rough starting. R. K. Vafin, V. A. Ivanov, V. F. Smirnov. Izv. vys. ucheb. zav., mashinost. no. 2:90-93 '67.

MOTORBOAT RACING

On water and under water. S. Abuladze. Voen. znan. 43 no. 2:12-13 F '67.

MOTORBUS TERMINALS see subdivision under Ulyanovsk

MOTORCYCLES—ENGINES

Control of thermal conditions of the performance of cylinders of the K-750 motorcycle engine. K. I. Vashchenko, A. N. Firsov, V. P. Avdokushin. Tekhn. org. protzv. no. 2:86-87 Mj-Apr '67.

MOTOR TRUCKS

Operating a motor truck in mountains. A. Agababov. Prom. Arm. 10 no. 3:14-16 '67

The ZIL-131 motor truck. V. Mirofyanov. Avt. transp. 45 no. 4:46-48 Ap '67.

MOUNDS see subdivision under Black Sea region; Cherkassy Province

MOUNTAIN ROADS

Operating a motor truck in mountains. A. Agababov. Prom. Arm. 10 no. 3:14-16 '67.

MOUTH—CANCER

Clinical and histological classification of precancerous changes of the mucous membrane of the oral cavity and the red border of the lips. A. L. Mashkileison. Sov. med. 30 no. 3:118-122 Mj '67.

MOUTH—TUMORS

Rare location of an epidermoid cyst in the bottom of the oral cavity. G. V. Kruchinskii. Zhur. ush., nos. i gorl. bol. 20 no. 2:79-80 Mj-Apr '60.

MOUTH BREATHING

Electrocardiographic changes in persons with impeded nasal respiration. D. S. Blekher. Zhur. ush., nos. i gorl. bol. 20 no. 2:17-20 Mj-Apr '60.

PHYSIOLOGY

Effect of physical training on the development of the heart in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MAMMARY GLANDS

Effect of physical training on the development of the mammary gland in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MAMMARY GLANDS—AMADOLLS, 1736-1791

Effect of physical training on the development of the mammary gland in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLE, SKELETAL

Effect of physical training on the development of the skeletal muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—CULTURES AND CULTURE MEDIA

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLE MEMBRANE

Effect of physical training on the development of the muscle membrane in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

Effect of physical training on the development of the muscle membrane in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—DISEASES

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—INNERVATION

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—GENETIC RESEARCH

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—HISTOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—PHYSIOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—TUMORS

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—VASCULATURE

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—VITAMINS

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—WOUNDS

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES—ZOOLOGY

Effect of physical training on the development of the muscle in the rat. I. G. Chern, B. A. Pops. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

Study of structural and mechanical properties of fish muscle tissue. V. G. Proselkov, A. I. Poleev. Ryb. khoz. 43 no. 3, 65-66 '67.

MUSCLE—MOTILITY

Characteristics of contractile function of sarcomeres obtained from isolated myofibrils irradiated with ultrasonic waves. N. V. Samosudova, I. E. El'pin. Dokl. AN SSSR 173 no. 4, 952-953 Ap '67.

MUSCLES

Anaphylactic reaction of depolarized smooth muscle. I. S. Gushchin. Pat. fiziol. i eksp. terap. 11 no. 2, 46-49 Mr-Apr '67.

Function of the muscle in physical exercises. E. G. Kozlovskaya. Arkh. anat., gist. i embriol. 52 no. 4, 91-93 Ap '67.

Functional state of the muscles in transversal pes planus. L. P. Lapephina, G. N. Kramarenko, Ortop. i travm. i protez. 28 no. 4, 28-33 Ap '67.

Functional state of the somatic musculature in the dynamics of tetanic stimulation. L. V. Donskaya, N. E. Zhelezovskaya, I. U. S. Makova. Fiziol. zhur. 53 no. 1, 138-142 Ap '67.

Hyperpolarization of the skeletal muscle. O. A. Andriashin. Fiziol. zhur. 53 no. 4, 143-149 Ap '67.

Phosphorus compounds in the muscles of a replanted extremity in early and late periods following the operation. T. I. Shchegoleva and others. Biol. i eksp. fiziol. med. 63 no. 4, 56-59 Ap '67.

MUSCLES—DISEASES

Surgical treatment of ossifying myositis. I. M. Minochkin. Khirurgia 43 no. 4, 135-136 Ap '67.

MUSCLES—INNERVATION

Comparative sensitivity of neuromuscular synapses of various muscles to d-tubocurarine chloride and strychnine acid derivatives. V. K. Lepokhin, Farm. i toks. 30 no. 2, 152-156 Mr-Apr '67.

Study of synaptic mechanism of photostimulation of muscle fiber. I. M. Buzilovskiy, Zh. P. Shuranova. Dokl. AN SSSR 165 no. 6, 1450-1453 D '65.

MUSCLES—SURGERY

Surgical treatment of ossifying myositis. I. M. Minochkin. Khirurgia 43 no. 4, 135-136 Ap '67.

MUSCLES—TUMORS

Membrane potential of induced rhabdomyosarcoma cells in rats and mice. I. P. Shuba. Dokl. AN URSS no. 10, 1313-1316 '65.

MUSCOVITE

(see also subdivision under Ossetia, North) Chromium-bearing muscovite from xenolith of biotite gneiss. V. V. Batakov. Dokl. AN URSS no. 10, 1393-1396 Mr '67.

MUSCULOSKELETAL SYSTEM—DISEASES

Experience in local hydrocortisone therapy in injuries and diseases of the locomotor apparatus. I. M. Golovakha, Ortop. i travm. i protez. 28 no. 4, 17-19 Ap '67.

Lesions of the locomotor apparatus in burns. A. I. Kurbatov. Voen.-med. zhur. no. 4, 76-77 Ap '67.

MUSEUMS

(see also subdivision under Leningrad) Museums are co-authors of engineers. D. Kobayevskii. Sem. iashkola 22 no. 3, 42-44 Mr '67.

MUSIC—ANALYSIS, APPRECIATION

Music and the development of moral traits. K. Khor'kov. Nauch. i shkola 22 no. 3, 42-44 Mr '67.

MUSIC—INSTRUCTION AND STUDY

Music and the development of moral traits. K. Khor'kov. Nauch. i shkola 22 no. 3, 42-44 Mr '67.

MUSIC AND COMMUNISM

Music and the development of moral traits. K. Khor'kov. Nauch. i shkola 22 no. 3, 42-44 Mr '67.

MUSICAL METER AND RHYTHM

Shushkina, Z. K. [Rhythms] Ritmika. Moskva, Muzyka, 1967, 79 p.

MUSICAL REVUES, COMEDIES, ETC.

Welcome, operetta Nina Velekhova. Teatr. 28 no. 4, 51-62 Ap '67.

MUSSELS

(see also subdivision under Black Sea) Effect of alarazine on the dynamics of soluble carbohydrates in mussel plant. A. A. Timofeeva. Agroklimatika no. 4, 123-124 Ap '67.

MUSTARD—VARIETIES

New types of mustards. G. S. Voskresenskaya, V. I. Shpota. Sbor. rab. po masl. i cefromasli. kuf. no. 1, 24-25 '66.

MUSTARD OILS

Role of mustard oils in the growth of Cruciferae. V. V. Mazin. Dokl. AN SSSR 172 no. 6, 1448-1450 F '67.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Results of the Congress of First Secretaries of the Central Committees of the Communist and Workers' Parties and Heads of Governments of the Mutual Economic Assistance Council Countries held in July 1963. Inform. biul. MNRP no. 1, 2, 3-33 '64.

MYCERIN

Effect of novohannin and mycerin on the healing of wounds. A. I. Shchegolev and others. Khir. i zhur. 29 no. 2, 153-156 Mr-Apr '67.

MYCOBACTERIUM

(see also subdivision under Ukraine) Modern state of the science and biology of Mycobacterium. M. K. Kholodovskii. Khim. i biol. AN BSSR, Ser. sel'sk. khoz. nauch. no. 1, 114-115 '67.

MYCOBACTERIUM—CULTURES AND CULTURE MEDIA

Accumulation of organic acids in the culture of mycobacteria. V. N. Shapostnikov and others. Khim. i biol. AN BSSR, Ser. sel'sk. khoz. nauch. no. 1, 151-156 Mr-Apr '67.

Transformation of choline acetylcholinesterase in Mycobacterium. I. O. Severtchuk, I. V. Tsvetkov. Dokl. AN SSSR 173 no. 5, 1200-1202 Ap '67.

MYCOPLASMA

Timakov, V. D., and G. I. A. Kagan. [Family 14, Inceo and L-form bacteria] Semestrya Khim. i biol. AN BSSR, Ser. sel'sk. khoz. nauch. no. 1, 114-115 '67.

MYCOSIS

Chondroblastomycosis as a complication of a tumor. A. M. A. Tsvetkov and others. Khim. i biol. AN BSSR, Ser. sel'sk. khoz. nauch. no. 1, 114-115 '67.

MYOPIA

In nearsightedness an inevitable complication of a tumor. Sem. iashkola 21 no. 10, 11 '66.

MYOSIN

Comparative study of myosin properties in old and young animals. V. M. Krasnitskiy. Khim. i biol. AN BSSR, Ser. sel'sk. khoz. nauch. no. 1, 114-115 '67.

MYSIDAE

(see also subdivision under Bivalvia) New species of Mysididae from the Black Sea. B. Abramov. Dokl. AN URSS no. 10, 1393-1396 Mr '67.

NADZHEIDIN, NIKOLAI IVANOVICH, 1894-1956

N. A. Potolov and N. I. Nadezhdin as presidents of the Belokh. In: Itogi nauki i tekhn. Ser. Khim. i biol. AN SSSR, vol. 1, 114-115 '67.

NADSON, SEMEN IAKOVLEVICH, 1892-1966

Characteristics of the genus in the Belokh. Kozlov. Uch. zap. MGU 218, 274-276 '66.

NAIDIAE

Economy of Chaetoceros diatoms in the Black Sea. Naidia. Khim. i biol. AN BSSR, Ser. sel'sk. khoz. nauch. no. 1, 114-115 '67.

NAKHICHEVAN' A. S. S. R.—CHATEAU D'YVRE

Drying of grapes in the Nakhichevan A. S. S. R. Nakhichevan. Korr. i rev. zhur. no. 4, 76-77 Ap '67.

NAKHICHEVAN' A. S. S. R.—ROCK SALT

Utilizing the salt of the Surtinskaya and others. It. G. G. Muddatov. Zh. tekhn. prog. 2, 1, 15-16 Ja '67.

NAKHODKA (MANTIME TERRITORY) CIVILIZATION

Coordinated, permanent. A. Pichan. Voen. i med. zhur. no. 4, 76-77 Ap '67.

NALCHIK—EDUCATION, COOPERATIVE

Industrial training in Nalchik. Uch. zap. Kab. i shkola 218, 274-276 '66.

NAMES

Shchegolev, L. M. [Words, names, things, etc.] Names of Slova, imena, vozuchi, ocherki drev. i sov. [Roslov-na-Donu] Izd-vo Roslovskogo univ. 1967, 219 p.

NAMES, GEOGRAPHICAL

(see also subdivision under Yagreb Vah.) [Toponymy] Toponimika. Moskva, (Materialy Mirovogo filiala Geograficheskogo obshchestva SSSR) No. 1, 1967, 36 p.

NAPHTHALENE

Equilibrium of 1- and 2-methylnaphthalene in the liquid-solid. A. Babichuk. Zh. fiz. khim. no. 4, 801-802 Ap '67.

Producing from the coke chemical methylnaphthalene stabilizers for plastics, synthetic rubber and other products. G. D. Kharlamovich. Khim. i tekhn. no. 4, 80-81 '66.

NAPHTHALENE, EFFECT OF RADIATION ON

Radiation-chemical transformations of a naphthalene and naphthalene. E. N. Zedekashvili. M. i khim. v. 11. Soob. AN Gruz. SSR 45 no. 2, 301-304 F '67.

NAPHTHENES

- Effect of some naphthene aromatic hydrocarbons on the formation of a solid phase in hydrocarbon fuels. G. F. Bol'shakov, E. M. Bushueva, E. A. Olebovskaya. Khim. i tekhn. topl. i masel 12 no. 4:40-43 Ap '67.
- Effect of some naphthenes on oxidation of naphthalene hydrocarbon concentrates. O. S. Kachmar, A. N. Bodan, V. T. Skhar. Neft i gaz prom. no. 2:39-42 Mr-Apr '67.

NAPHTHENIC ACIDS

- Synthesis of monoesters of ethyleneglycol of fatty and naphthenic acids. B. K. Zemanov and others. Azerb. neft khoz. 46 no. 3:41-42 Mr '67.

NAPHTHOLS

- Condensation of α -naphthol with dimethylvinylcarbazol in the presence of phosphoric acid. A. Kakhashvili, G. Glonti. Trudy Tbil. GU 74:369-373 '59.
- Destruction of polyatomic phenols and naphthols in polluted natural water depending on temperature. V. T. Kaplin, S. R. Panchenko, N. G. Pesenko. Gidrokhim. mat. 12:267-273 '66.
- Extraction-photometric determination of palladium with the help of N-methylanthranilic- α -azo- α -naphthol. T. B. Amirkhanova, V. S. Podgor'naya, I. P. Shesternova. Nauch. trudy TashGU no. 286 Khim. nauki no. 16:98-105 '66.

NAPHTHYLAMINES—PHYSIOLOGICAL EFFECT

- Permanent tumors of the urinary bladder in dogs caused by beta-naphthylamine. A. G. Matyenko. Vop. eksp. onk. no. 2:12-19 '66.

NARCOTICS

- Intensification of the effect of narcotics and soporifics by using cholinomimetics. R. A. Khamina. Farm. i toks. 70 no. 2:131-138 Mr-Apr '67.

NARIZHNYI, V. T., 1780-1825

- Early work of V. Narizhnyi. A. I. Kuz'menko. Rad. lit. 11 no. 2:56-60 F '67.

NASOPHARYNX

- Morphological features of the nasopharynx in childhood and their clinical significance. A. G. Nikhinson. Zhur. ust. i nos. i gorl. bol. 20 no. 2:41-45 Mr-Apr '66.

NATIONAL PARKS AND RESERVES

- [Noteworthy natural landscapes of the U. S. S. R. and their protection; botanical, geological, lake and zoological preserves of the U. S. S. R.] Primenitel'nye prirodnye landshtafy SSSR i ikh okhrana; botanicheskie, geologicheskije, ozernye i zoologicheskie znachniki SSSR. Moskva, Nauka, 1967. 173 p.

NATIONALITIES

- (see also subdivision under India)
- The concept of ethnic community. V. I. Korlov. Sov. otn. no. 2:100-111 Mr-Apr '67.
- Creating the material and technical foundation of communism is the basis for the friendship and unity of socialist nationalities. A. A. Sakharov. Uch. zap. AGU. Ser. ekon. nauk no. 2:39-50 '64.
- Efforts of the Communist Party to strengthen the international foundation of Soviet Ukrainian culture, 1956-1961. L. I. A. Khilchenko. Vistnyk t'viv un. iet. susp. nauk no. 2:11-16 '66.
- The October Revolution and the transformation of the nationalities living on the borderlands. D. Lumaev. Kommunist 14 no. 6:25-37 Ap '67.
- Place and role of the nationalities problem in social process. O. S. Slipchenko. Pyt. nauk. kom. no. 1:85-96 '66.
- Spiritual amalgamation of socialist nations during the building of communism. O. M. Il'yushko. Pyt. nauk. kom. no. 1:87-111 '66.
- Triumph of V. I. Lenin's principle of national self-determination in the Soviet Union and its influence upon India. D. Kavskik. Trudy TashGU no. 287:120-125 '66.

NATURAL GAS see Gas, Natural

NATURAL HISTORY

- Akademika nauk SSR. Institut istorii i estestvoznaniya i tekhniki. [From the history of biological sciences] Iz istorii biologicheskikh nauk. Memorialnaya istoriya prirody. Moskva, Nauka, 1966. 1 v.
- (inU)
- Kaligorodov, D. M. [Nature of our land; sketches of a naturalist]. Rodnaya priroda; ocherki naturalista. Moskva, Lesnaya promyshl., 1967. 210 p.

NATURAL HISTORY—STUDY AND TEACHING

- Independent work of students during the study of subjects in natural sciences. V. M. Fedorova. Rad. shk. 45 no. 4:28-33 Ap '67.

NATURAL RESOURCES

- Geographical space and its future. M. M. Ermolaev. Izv. Vses. geog. ob-va 99 no. 2:97-105 Mr-Apr '67.

NATURAL RESOURCES—LAW AND LEGISLATION

- The development of laws on the conservation of natural resources. N. Vedenin. Sots. zakon. no. 3:16-19 Mr '67.

NATURE STUDY

- (see also subdivision under Ukraina)
- Spring observations of nature: water measures. V. A. Terentev. Nach. shkola 35 no. 4:79-82 Ap '67.

NAVAL EDUCATION

- A high combat readiness for the Navy rear. D. Agafonov. T'sh i asah sov. Voen. sil 27 no. 1:18-23 Ap '67.
- It is time for you to take over watch duty, combat training is being carried out. V. Pivov. Sov. voen. 49 no. 7:5 Ap '67.
- Leaders in competition. V. Smirnov. Tekh i voornuzh. 25 no. 1:20-21 Ap '67.
- School for sailors. I. Panov. Voen. znani. 43 no. 3:10-11 Mr '67.
- You don't joke with the sea. I. G. Gorskhev, M. T. Siporukha. Tekh i voornuzh. 25 no. 4:26-27 Ap '67.

NAVAL HYGIENE

- Effect of environmental air on indices of peripheral blood in naval specialists. B. G. Manashev and others. Voen.-med. zhur. no. 3:50-61 Mr '67.
- Evaluation of environmental air pollution in ship compartments by determining the oxidizability of the air. P. I. Senkevich. Voen.-med. zhur. no. 3:51-52 Mr '67.
- Some problems of living accommodations on a ship cruising in tropical latitudes. O. V. Varnakov, P. I. Senkevich, P. P. Rybkin. Voen.-med. zhur. no. 4:66-69 Ap '67.

NAVAL MEDICINE see Medicine, Naval

NAVIGATION

- Vlasov, P. V., and I. G. Shneider. [Handbook for the commander of a launch (captain of a small vessel)] Spravochnik starshiny katera (kapitana malogo sudna). Moskva, Voenizdat, 1967. 330 p.

NAYBA VALLEY—FORAMINIFERA, FOSSIL

- Upper Cretaceous Foraminifera of Nayba River in southern Sakhalin. T. V. Turenko. Geol. i geofiz. no. 12:72-76 '66.

NEAR EAST—HISTORY

- [Colonial policy and the national liberation movement, from the new and recent history of the Balkans, the Near East and the Middle East] Kolonial'naya politika i natsional'no-osvoboditel'noe dvizhenie iz novoi i noveishoi istorii Balkan, Blizhnego i Srednego Vostoka. Kishinev, 1965. 382 p.
- (CSI-H)

NEARSIGHTEDNESS see Myopia

NEBULAE

- Investigation of the expansion of the Crab nebula and the proper motions of the surrounding stars. O. N. Orlova. (Chudovitchev), Izv. GAO 24 no. 3:115-132 '66.

NECHUI-LEVYTS'KYI, IVAN, 1837-1918

- I. Franko in the evaluation of I. Nechui-Levyts'kyi. M. P. Taranenko. Rad. lit. 11 no. 2:16-55 F '67.
- Unknown articles by Nechui-Levyts'kyi on public schools. O. Del. Rad. lit. 11 no. 2:74-77 F '67.

NECK—INNERVATION

- Intracranial structure of cervical sympathetic trunks in rabbits. A. G. Kadantseva. Biol. eksp. biol. i med. 63 no. 5:110-113 My '67.

NECROSIS, BACILLARY

- Bakar, B. [Necrobacillosis of sheep and goats in the Mongolian People's Republic] Nekrobatsilloz ovets i koz v Mongol'skoi Narodnoi Respublike. Pod red. A. A. Volkovoi. Frunze, Ilmu, 1967. 76 p.
- (DNAI)

NEFTYANYE KAMNI OIL FIELD—OIL FIELD BRINES—ANALYSIS

- Hydrochemistry of oil field brines of productive stratum of Neftyanys Kamni field and its interrelationship with lithological characteristics of enclosing rocks. F. M. Bagir-Zade, M. M. Gummatov, A. F. Burashnikova. Izv. vya. ucheb. zav. i nef' i gaz 10 no. 2:21-24 '67.

NEFTYANYE KAMNI OIL FIELD—VIEWS

- Among those at sea. Sov. profsoyuz 23 no. 4:9-10 F '67.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1812-1867

- Gorki on Nekrasov. T. D. Frolova. Kaz. v ist. rus. lit. no. 1:16-26 '65.

NEMATOCERA

- New data on families Hesperinidae and Pachyneuridae and their position in the order Diptera. N. P. Kivoshelna, B. M. Mannaev. Zool. zhur. 46 no. 2:235-247 F '67.

NEMATODA

- (see also subdivision under Gobodnaya Steppe, Kazakhstan)
- Age-related immunity of chickens in Heterakis infection. I. Kh. Dugalieva. Vest. sel'khoz. nauki (Kazakh.) 9 no. 12:62-65 D '66.
- Description of male and the additional information on the description of female *Slacolinus alboroscutus* (Morzevskaya, 1951) G. I. Solov'eva. Zool. zhur. 46 no. 2:276-278 F '67.
- New species of the genus *Aphelenchus* Bastian, 1865 (Nematoda, Aphelenchidae). G. N. Shavrov. Zool. zhur. 46 no. 278-279 F '67.

- Technique of the vermifugal treatment of dogs. K. M. Eliseev, Kh. E. Kachaganov. Vest. sel'khoz. nauki (Kazakh.) 9 no. 12:105-108 D '66.
- Vermifugal treatment of sheep with *Chabertia infestation* using phenothiazine, diploer, and naphthimone mixtures. A. U. Voznyi, V. I. Kuntsevov. Vest. sel'khoz. nauki (Kazakh.) 9 no. 12:78-81 D '66.

NEMATODE DISEASES OF PLANTS

- Nematode fauna of fruit and berry crops in the Trans-Bai Altai. A. D. Dzhangalov, A. A. Gzashvili, L. A. Vladimirova. Vest. sel'khoz. nauki (Kazakh.) 10 no. 3:109-113 Mr '67.

- Study of nematode fauna of cotton shoots and rhizosphere soil infected with wilt. G. R. Poladov. Nauch. trudy TashGU no. 291:97-98 '66.

- Study of nematode fauna of the leafminer *Gnathocampus caninus* L. and rhizosphere soil. D. M. Mavlanov. Nauch. trudy TashGU no. 291:91-96 '66.

NETS NATIONAL AREA—PETROLEUM GEOLOGY

- Evaluation of geologic effectiveness of geophysical well studies. L. I. Burman, K. Kh. Muzafarov, V. I. Sheptunov. Neftgaz. geol. i geofiz. no. 3:34-36 '67.

NEODYMIUM—ANALYSIS

- Reaction of neodymium with xylene orange and pyrophosphate. Z. A. Shuka, E. I. Sinelskaya, Zhur. neorg. khim. 12 no. 3:650-655 Mr '67.

NEODYMIUM COMPOUNDS

- Synthesis and some properties of neodymium phthalocyanine. I. S. Kirm, P. N. Moskalov, N. V. Ivanikova. Zhur. neorg. khim. 12 no. 4:941-946 Ap '67.

NEODYMIUM COMPOUNDS—SPECTRA

- Determination of the composition and stability of neodymium solvate in aqueous-methanol solutions. D. B. Romanenko, N. A. Kostomarov, T. V. Terenova. Zhur. neorg. khim. 12 no. 3:700-706 Mr '67.

NEODYMIUM CRYSTALS

- Spin-lattice relaxation of neodymium in single crystals of some schelites. A. A. Antipin and others. Fiz. tver. tela 9 no. 3:811-820 Mr '67.

NEODYMIUM TELLURIDE CRYSTALS—GROWTH

- Growing of neodymium telluride single crystals by means of gas transport reactions. K. A. Zinchenko and others. Izv. AN SSSR. Neorg. mat. 3 no. 1:29-37 Ja '67.

NEON

- Lifetime of $3s_2$ level and the transition probability of $3s_2 - 2p_1$ of neon. L. S. Vashilenko, V. P. Chebotnev. Zhur. prikl. spekt. 6 no. 1:536-538 Ap '67.
- Preparing and using neon as a refrigerant. V. G. Fastovskii, I. V. Petrovskii, A. I. Rovinskii. Khim. i met. mashinost. no. 5:30-33 My '65.

NEPHELINE SYENITE

- Problems of genesis of apatitic nepheline syenites. L. N. Kogarko, A. I. Polakov. Geokhimiya no. 2:131-143 F '67.

NEPTUNIUM ISOTOPES

- Chemical aftereffects during the preparation of neptunium 236 by means of neutron irradiation of uranyl salts. V. P. Pesterevskii and others. Dokl. AN SSSR 173 no. 3:609-614 Mr '67.

NERVES

- Effect of calcium and magnesium on dendritic potentials. A. I. Hotchkiss, T. N. Ontani. Fiziol. zhur. 53 no. 3:251-259 Mr '67.

- Effect of narcotics, temperature and diastrophensol on the physical electrotonus of nerves. D. S. Vorontsov. Fiziol. zhur. 49 no. 10:1197-1203 D '63.

- Morphological changes in neurons of the cerebral cortex during physical strain and under conditions of prebiological training. V. P. Tumanov, G. N. Krivitskaya. Biol. eksp. biol. i med. 63 no. 5:107-109 My '67.

- Regulatory function of the inhibitory nerve of *C. ustacea*. M. I. Kuntseva. Fiziol. zhur. 46 no. 7:833-841 Jo '62.

- Response of neuroglia and the regeneration of resected central conductors. T. N. Nesmetanova, A. D. Vorob'ev. Dokl. AN SSSR 173 no. 4:867-870 Ap '67.

NERVES—SURGERY

- Late result following primary suture of neurovascular bundle on the level of the middle third of the right forearm. D. M. Bagirov. Azerb. med. zhur. 44 no. 4:87-88 Ap '67.

NERVES, SPINAL

- On the optimum and pessimum phenomena of the rate and force of stimuli in the dorsal and ventral roots of the cat. K. S. Predtchinskaya. Fiziol. zhur. 49 no. 10:1173-1180 O '63.

NERVES, SPINAL—INFLAMMATION

- Dynamic currents in the treatment of lumbosacral radiculitis. G. K. Ter-Akopov, K. I. Muradova. Voen.-med. zhur. no. 3:78-79 Mr '67.

- NERVOUS SYSTEM**
Alparov, M. G. [Disorders of the higher nervous system as a result of prenatal radiation effect] *Narushe-
vskiy, V. I. (ed.)* Fiziol. zhur., 49 no. 10, 1215-
1220 O '63.
- NERVOUS SYSTEM, CRUSTACEA**
Gosula of the krabs in Clitoria. N. N. Smirnov. *Fiziol. zhur.* 49 no. 2 286-288 P '67
- NERVOUS SYSTEM—DISEASES**
(see also subdivision under White Russia)
Problems of the pathophysiology. G. A. Orlov. *Fiziol. zhur.* 49 no. 4 14-20 Ap '67
- NERVOUS SYSTEM—INSECTS**
Insect navigation in *Locusta migratoria* L. (Orthoptera, Acrididae) S. I. Plotnikova. *Fiziol. zhur.* 49 no. 122-128 '67
- NERVOUS SYSTEM—SURGERY**
Cerebral polarization potentials of the medulla, spinal cord and skeletal muscle in frogs following deafferentation of the respiratory center. I. U. Lupandin. *Blizkosp. biol. med.* 63 no. 5 3-6 My '67
- NERVOUS SYSTEM—AUTONOMIC**
Changes in the tone of the vegetative nervous system after stimulation of and injury to some segments of the brain stem. V. I. Cherkasova-Klimova. *Fiziol. zhur.* 49 no. 7 313-322 Je '67
- NERVOUS SYSTEM, AUTONOMIC—CONGRESSES**
21 All-Union Conference on Problems of Physiology of the Vegetative Nervous System. I. U. A. Borkovskaya, A. D. Vozdrachev. *Fiziol. zhur.* 53 no. 4 465-467 Ap '67
- NERVOUS SYSTEM, SYMPATHETIC**
Electric properties of neurons and synaptic transmission in the sympathetic ganglion. V. I. Skok, V. Savich. *Fiziol. zhur.* 53 no. 4 377-384 Ap '67
- NERVOUS SYSTEM, SYMPATHETIC**
Electrical activity of the sympathetic ganglia induced by phasic stimulation during the ontogenesis of animals. L. A. Shilina. *Fiziol. zhur.* 49 no. 10 111-116 O '63.
- Functional evolution of nonspecific and specific systems of the brain** A. I. Karaman. *Fiziol. zhur.* 48 no. 7 785-795 Je '62
- NERVOUS SYSTEM, VASOMOTOR**
Relationship between respiratory and cardiovascular centers. V. V. Trubetskoy. *Fiziol. zhur.* 49 no. 10 1215-1220 O '63.
- NESTEROV, PETR NIKOLAEVICH**
Nesterov's heirs. I. Kozhuhov. *Tekhn. i vooruzh.* 25 no. 2 6-7 F '67.
- NEUROFIBROMATOSIS**
Surgical treatment of neurofibromatosis of the lower extremities. A. A. Troshkov, B. Z. Filipchuk. *Khirurg. ginek. 43 no. 4 80-93 Ap '67.*
- NEUROLOGY** see subdivision under Estonia
- NEUROPSYCHOPHARMACOLOGY**
Pharmacology of antidepressants of tricyclic structure; a review. A. I. Polchayeva. *Farm. i toka.* 30 no. 2 243-249 Mr-Apr '67
- NEUROSECRETION**
Morphological analysis of the state of the hypothalamo-hypophyseal neurosecretory system and thyroid gland under conditions of chronic salt load. I. V. Likhovleva, I. A. Okhonskaya (Krasnovskaya), A. L. Polenov. *Blizkosp. biol. med.* 63 no. 4 91-95 Ap '67.
- NEUROSES**
Clinical aspects and diagnosis of neurotic reactions. A. D. Turbin. *Voen. med. zhur.* no. 3 76-78 Mr '67.
- NEUSTRUEV, SERGEI SEMENOVICH, 1874-1928**
Dontsova, Z. N. Sergei Semenovich Neustruev (1874-1928). Moskva, Muka, 1967. 198 p. (Nauchno-biograficheskaya seriya)
- NEUTRON BEAMS—SCATTERING**
Depolarization of slow polarized neutrons on hydrogen. B. I. Khrushchev, R. Sh. Shadmanov, L. S. Sharipov. *Iad. fiz. 5 no. 4 710-712 Ap '67*
- NEUTRON BOMBARDMENT**
Method and equipment for detecting certain elements in matter. D. L. Petman. *Geofiz. app.* no. 27 101-105 '66
- NEUTRON SOURCES**
Heat-resistant pulsed neutron generator in oil well logging. D. F. Bespalov and others. *Geofiz. app.* no. 20 104-111 '66
- NEUTRON SOURCES**
Small-size accelerating tube UNG-1 for neutron generators in oil well logging. D. F. Bespalov. *Geofiz. app.* no. 20 97-103 '66
- NEUTRON SOURCES**
Use of a UNG-1 pulse neutron generator in well logging. I. A. Kiseenko, I. V. Konoplev. *Geofiz. app.* no. 27 141-145 '66
- NEUTRON SPECTROMETRY**
Studying neutron resonances of ^{10}B . E. N. Karzhavina and others. *Iad. fiz.* 5 no. 3 471-482 Mr '67.
- NEUTRONS**
Calculating the distribution of neutrons and K_{eff} of a multiregion reactor with completely inserted absorbing rods. N. N. Novikova. *Atom. energ.* 22 no. 4 306-307 Ap '67
- NEUTRONS**
Effect of gamma-neutron radiation on some physical and chemical properties of glasses. G. V. Burganovskaya, B. I. Kisein, N. F. Orlov. *Opt.-mekh. prom.* 34 no. 3 34-40 Mr '67.
- NEUTRONS**
On the n, α reaction and the yield of delayed neutrons from ^{235}U . B. P. Maksimov and others. *Iad. fiz.* 5 no. 3 529-530 Mr '67.
- NEUTRONS**
Pulses on delayed neutrons in a fast reactor. V. F. Kotecov. *Atom. energ.* 22 no. 4 306 Ap '67.
- NEUTRONS**
Symposium on neutron dosimetry. G. M. Obaturov. *Atom. energ.* 22 no. 3 240-242 Mr '67.
- NEUTRONS**
Using a calorimetric device for the experimental study of the irregularity of a flux of thermal neutrons on the surface of an absorbing specimen. V. S. Karaev, V. M. Koshada. *Atom. energ.* 22 no. 4 320-321 Ap '67.
- NEUTRONS—DIFFRACTION**
Neutronographic determination of the structure of TiFe and TiCo alloys. A. V. Doroshenko, S. A. Nemmonov, S. K. Sidorov. *Fiz. metal. i metalloved.* 23 no. 3 562-563 Mr '67.
- NEUTRONS—EFFECT ON PLANTS** see Plants, Effect of neutrons on
- NEUTRONS—SCATTERING**
Comparing the spectra of cold neutron scattering on amorphous and crystalline selenium. B. A. Kotov and others. *Fiz. tverd. tela* 9 no. 4 1227-1230 Ap '67.
- NEUTRONS**
Scattering of slow neutrons on spin waves excited by ferromagnetic resonance. S. V. Maleev, S. S. Stamenkovich. *Fiz. tverd. tela* 9 no. 3 733-738 Mr '67.
- NEUTRONS—SPECTRA**
Angular spectra of neutrons from the ternary fission of ^{235}U nuclei. O. I. Ivanov and others. *Iad. fiz.* 5 no. 4 737-740 Ap '67.
- NEUTRONS—TRANSFER**
Stationary transfer of monoenergetic neutrons in inhomogeneous media. A. V. Stepanov. *Atom. energ.* 22 no. 4 71-76 Ap '67.
- NEVA RIVER—WATER—COMPOSITION**
Chemical nature of organic matter in aquatic ecosystems of the Neva River. A. D. Seimenov and others. *Fiz. i khim. mnt.* 42 186-190 '66
- NEVINOMYSK (STAVROPOL THERMOTROPIC) PLANTS—DESIGN AND CONSTRUCTION**
Answering the appeal of the (15th of the month) K. Chelvetikov. *Na st. ot. 1967. 5 no. 3 4 6 '67*
- Copy out with honor the program of the 1967**
I. Matkushenko, D. Buzhko, A. Anisimov. *Fiz. i khim. mnt.* 42 186-190 '66
- Skill hops over, people grow.** *Kazn. i khim. mnt.* 42 186-190 '66
- NEW DELHI—THEATER**
At a study group in New Delhi. *It. khim. i khim. mnt.* 42 186-190 '66
- NEWSPAPER LANGUAGE** see Journalism, Language
- NEWSPAPER READING**
Mass communication. R. V. Ivanov. *Zhurn. i khim. mnt.* 42 186-190 '66
- NEWSPAPERS—SECTIONS, COLUMNS, ETC.**
A letter printed in a dialect newspaper. *Zhurn. i khim. mnt.* 42 186-190 '66
- NIACIN** see Nicotinic acid
- NIBUFIN**
Morphological changes in the central nervous system affected by nibufin. V. P. Jukhadin. *Fiz. i khim. mnt.* 42 186-190 '66
- NICARAGUA—INVESTMENTS, AMERICAN**
Bowling before the manure. A. Kharin. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL**
Heat treatment of nickel apparatus in nitric acid. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL**
Heat treatment of nickel apparatus in nitric acid. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL ALLOYS**
Isolation of intermetallic compounds from the alloys. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL ALLOYS—MAGNETIC PROPERTIES**
Studying dependence of the thermomagnetic effect on the composition of the alloys. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL ALLOYS—MAGNETIC PROPERTIES**
Studying dependence of the thermomagnetic effect on the composition of the alloys. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL ALLOYS—METALLOGRAPHY**
Conditions for the existence of a nickel phase in alloys with titanium, zirconium, and aluminum. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL ALLOYS—METALLOGRAPHY**
Conditions for the existence of a nickel phase in alloys with titanium, zirconium, and aluminum. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL-BORON ALLOYS**
Phase diagrams of the nickel-boron system. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL CARBONYLS**
Interaction of cobaltocene with iron and nickel. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL-CHROMIUM ALLOYS—HARDENING**
Effect of atomic ordering on strain hardening of alloys. L. E. Popov and others. *Fiz. metal. i metalloved.* 23 no. 4 751-753 Ap '67.
- NICKEL-CHROMIUM ALLOYS, EFFECT OF TEMPERATURE ON**
High-temperature internal friction in nickel-chromium alloys. V. N. Gidney, A. I. Likhov, N. P. A. *Fiz. metal. i metalloved.* 23 no. 4 715-721 Ap '67.
- NICKEL-COBALT ALLOYS—MAGNETIC PROPERTIES**
Magnetic anisotropy energy and its dependence on the structure and heat treatment of nickel-cobalt alloys. *Fiz. i khim. mnt.* 42 186-190 '66
- NICKEL COMPOUNDS**
Complex compounds of nickel (II) halides with ethylenediamine. V. V. Udovenko, I. U. A. Borkovskaya. *Fiz. i khim. mnt.* 42 186-190 '66
- Spectrophotometric study of nickel (II) complexes with ethylenediamine.** V. V. Udovenko, I. U. A. Borkovskaya. *Fiz. i khim. mnt.* 42 186-190 '66

NICKEL COMPOUNDS—SPECTRA

Characteristics of chemical bond in aquoammine complexes of nickel (II) based on their absorption spectra, K. B. Iatsimirskii, I. I. Volchenskova, Teoret. i eksper. khim., 3 no. 1 17-23 Ja-F '67.

NICKEL CRYSTALS—DEFECTS

X-ray study of nickel structure distortions caused by stretching at normal and elevated temperatures, M. I. Babicheva, M. D. Tsimasova, L. V. Tuzov, Izv. vuzov. fiz., 10 no. 2 51-58 '67.

NICKEL ELECTRODES see Electrodes, Nickel

NICKEL FILMS—MAGNETIC PROPERTIES

Anisotropy of the Δ_1 effect in ferromagnetic metals and alloys during the para-process, V. Dinh Cu, Fiz. i metalloved., 23 no. 3 400-404 M '67.

Curie temperature of nickel films obtained by the chemical method, I. U. V. Bobrov, N. V. Kotelnikov, Fiz. i metalloved., 23 no. 4 740-741 Ap '67.

NICKEL-COLD ALLOYS—METALLOGRAPHY

Dependence of the resistance to deformation in Ni-Au alloys on temperature and speed, L. D. Sokolov, Izv. AN SSSR, Met., no. 2 107-113 Mr-Ap '67.

NICKEL HYDROXIDES

Formation of nickel hydroxide and oxychloride during electrolysis, D. N. G. Ihsan, L. N. Sepukhova, N. G. Krutina, Ukr. khim. zhur., 33 no. 2 148-150 '67.

NICKEL-NIOBIUM ALLOY PLATING

Conditions for electroplating and physicochemical properties of Ni-Nb alloy coatings, P. F. Kalluzhina, K. N. Pimenova, Z. P. Gavrilova, Ukr. khim. zhur., 33 no. 3 327-333 '67.

NICKEL-NIOBIUM-BORON ALLOYS see Niobium-nickel-boron alloys

NICKEL OXIDE CRYSTALS—SPECTRA

Semiconductor properties of nickel oxide single crystals, I. A. M. Kozlov, B. K. Avdeenko, V. V. Nakasov, Fiz. tver. tela 9 no. 1 1058-1067 Ap '67.

NICKEL OXIDES

Reaction of hydrogen with nickel peroxide, V. P. Rozhdestvenskii, L. M. Volgina, T. P. Stokova, Zhur. prikl. khim., 40 no. 4 705-711 Ap '67.

NICKEL-PHOSPHORUS ALLOY PLATING

Electrolytic deposition of nickel-phosphorus alloys at various temperatures, R. S. Vakhidov and others, Trudy Inst. khim. nauk AN Kazakh, SSR 15:45-53 '67.

NICKEL PLATING

Effect of preliminary surface treatment on nickel plating obtained by electroless deposition on nonmetal, A. I. Zolotare, A. N. Piliavskii, A. I. Khibanovskaya, Ukr. khim. zhur., 33 no. 2 201-205 '67.

Kinetics of electroless deposition of thin nickel films on the glass surface from ammonia solutions, D. I. Sainanov, N. K. Bulinov, S. G. Mokrushin, Zhur. fiz. khim., 41 no. 4 786-788 Ap '67.

NICKEL SALTS

Reduction of nickel salt to metal by hydrazine hydrate, N. I. Kozlova, N. V. Kozlov, Zhur. prikl. khim., 40 no. 1 202-204 Ap '67.

NICOTINE

Nicotine biosynthesis, M. I. Lovkova, Izv. AN SSSR, Sci. Biol., no. 3 413-421 My-Je '67.

NICOTINIC ACID—PHYSIOLOGICAL EFFECT

Study of the effect of nicotinic acid and its amide on allergic reactivity of the skin, V. G. Akimov, Sov. med., 30 no. 3 53-57 Mr '67.

NIGHT VISION

Mechanism of night vision in a two-receptor model, N. G. Volkov, V. K. Lapidkevskii, Dokl. AN SSSR 173 no. 4 948-951 Ap '67.

NIKOLAEV, LEONID VIKTOROVICH

The days of his youth, M. A. Nasonova, Sred. spets. obr., 14 no. 3 9-12 Mr '67.

NIKOLAEV, NIKOLAI IVANOVICH, 1906-

Nikolai Ivanovich Nikolaev, on his 60th birthday, I. P. Gerasimov and others, Izv. AN SSSR, Ser. geog., no. 2 154-155 Mr-Ap '67.

NIKOLAEVA-TERESHKOVA, VALENTINA VLADIMIROVNA, 1937-

Dorofenko, I. G. [The record flight of "Chaika"] Rekordnyi polet "Chaika," Moskva, DOSAAF, 1966, 68 p. (Molodezhni i gerolakh i podvigakh)

NIKOLAYEV PROVINCE—COLLECTIVE FARMS

From man to man, G. Kalugin, Part. zhizn', no. 7 66-69 Ap '67.

NIKOLAYEV PROVINCE—RURAL CONSTRUCTION—AUDITING AND INSPECTION

Inspectors are at their posts, S. Sinkevich, Sov. profsoyuzy 23 no. 6 35 Mr '67.

NIKOLAYEV PROVINCE—SERVICE INDUSTRIES

Inspectors are at their posts, S. Sinkevich, Sov. profsoyuzy 23 no. 6 35 Mr '67.

NIKOPOL' REGION (UKRAINE)—MANGANESE

Manganapatite from Nikopol' manganese ore deposits, V. H. Palvashin, V. V. Gasiev, V. V. Shvets, Dop. AN URSR, Ser. B 29 no. 1 27-30 Ja '67.

NILE RIVER—ZOOPLANKTON

Zooplankton of the White Nile and its floodplain waters of the Sudan, A. V. Monakov, Trudy Inst. biol. vnutr. vod no. 12 34-39 '66.

NIOBIUM

Mechanism of niobium and tantalum extraction from sulfate-fluoride solutions, A. G. Bahkin, I. A. G. Goro-shchenko, Dokl. AN SSSR 173 no. 4 873-875 Ap '67.

Photometric determination of tantalum with crystal violet and niobium with thiocyanate from the same batch, V. S. Bykova, V. I. Skrizhinskaya, Trudy VSEGEI 125 46-56 '66.

NIOBIUM—ELECTRIC PROPERTIES

J₀-H functions and experimentally determined regular features of the breakdown of the superconductivity of niobium by a current and a magnetic field, A. Kh. Chizhikov, Zhur. tekhn. fiz., 37 no. 4 774-780 Ap '67.

NIOBIUM CARBIDES

Rhombohedral β -phases of niobium and vanadium carbides, S. I. Altamovskii and others, Zhur. neorg. khim., 12 no. 3 579-582 Mr '67.

NIOBIUM CHLORIDES

Physicochemical study of the interaction of niobium chlorides with organic compounds, A. V. Leshchenko, O. A. Ostrov, Zhur. ob. khim., 37 no. 3 534-539 M '67.

NIOBIUM COMPOUNDS

Studying niobium trisulfate complexes by the extraction method, I. V. Piatnitskii, E. S. Seduk, Ukr. khim. zhur., 33 no. 4 400-413 '67.

NIOBIUM-MOLYBDENUM-ALUMINUM ALLOYS

Superconductivity in the system Nb₃Al - Mo₃Al, N. E. Alekseevskii, Dokl. AN SSSR 173 no. 3 553-556 Mr '67.

NIOBIUM-NICKEL ALLOY PLATING see Nickel-niobium alloy plating

NIOBIUM-NICKEL-BORON ALLOYS

System niobium - nickel - boron, A. S. Sobolev, I. U. B. Kuz'ma, T. F. Fedorov, Izv. AN SSSR, Neorg. mat., 3 no. 4 638-643 Ap '67.

NIOBIUM SILKIDES

Low-temperature silicides Nb₃Si, S. I. Altamovskii and others, Izv. AN SSSR, Neorg. mat., 3 no. 4 720-722 Ap '67.

NIOBIUM-TITANIUM ALLOYS—OPTICAL PROPERTIES

Optical properties of superconducting commercial niobium-titanium alloys, I. E. Leksina and others, Fiz. i metalloved., 23 no. 3 511-515 Mr '67.

NIOBIUM-TUNGSTEN ALLOYS

Self-diffusion of niobium in certain of its alloys with tungsten, V. D. Ljubimov and others, Izv. AN SSSR, Met., no. 2 84-87 Mr-Ap '67.

NIOBIUM-ZIRCONIUM-HAFNIUM ALLOYS see Zirconium-niobium-hafnium alloys

NITRAGEN

Treating chick-pea seeds with nitratin, E. Solov'eva, Zerk. i masl. kul't., 2 no. 5 29-30 '67.

NITRATES

Heterogeneous equilibria in the ternary systems type: monovalent metal nitrate - nitric acid - water, M. A. Iakimov, V. I. Mishin, Zhur. neorg. khim., 12 no. 4 1054-1053 Ap '67.

Thermochemical study of the nitrates of alkaline, alkaline earth elements, and lanthanum in mixed aqueous-glycerol solutions, G. A. Krestov, I. V. Egorova, Teoret. i eksper. khim., 3 no. 1 128-131 Ja-F '67.

Use of solid microelectrodes for amperometric titration of nitrates in an anhydrous acetic acid medium, A. P. Kreshkov, V. A. Boi, K. S. Sal'nikova, Zhur. anal. khim., 22 no. 2 224-228 F '67.

NITRATES—EFFECT ON PLANTS see Plants, Effect of nitrates on

NITRIC ACID

Industrial synthesis of methacrylic acid and methyl methacrylate based on isobutylene and nitric acid, B. F. Ustashevskii and others, Khim. prom., 43 no. 5 1-5 My '67.

Preparation of 60-68% HNO₃ in the production of concentrated nitric acid, M. M. Karavaev, G. A. Skvorisov, Khim. prom., 43 no. 4 33-37 Ap '67.

Studying the kinetics of the formation of 6, 6, -nitro-hydroxymethoxyhexanoic acid in the oxidation of cyclohexanol by nitric acid, V. A. Preobrazhenskii, A. M. Goll'dman, M. S. Furman, Khim. prom., 43 no. 2 1-7 F '67.

Use of accelerated methods for the determination of wear resistance in the study of the mechanism of disintegration of epoxy and polyester coatings in solutions of nitric and hydrochloric acids, M. L. Ozhakovskii, Lakokr. i masl. kul't., no. 2 52-56 '67.

NITRIC ACID, EFFECT OF RADIATION ON

Alpha-radiolysis of aqueous solutions of nitric acid, I. U. Savelyev, Z. V. Dushova, M. V. Vladimirova, Radiofizika 9 no. 2 225-230 '67.

NITRIDES

Nitrogen solubility and formation of nitrides in liquid alloys of nickel with titanium and aluminum, I. A. Stomakhin, A. I. U. Poliakov, Izv. AN SSSR, Met., no. 2 49-54 Mr-Ap '67.

NITRO COMPOUNDS

Anions of dimethyl compounds, Part 2: Infrared spectra of alkali salts of tri- and dimethylmethane and methyl dinitroacetate, I. N. Sholpov and others, Zhur. org. khim., 3 no. 3 489-495 Mr '67.

Chemistry of acetals, Report No. 21 Condensation of aldehydes with nitro compounds, L. A. Ivanovskaya, R. N. Stepanova, V. F. Kuchinov, Izv. AN SSSR, Ser. khim., no. 3 628-632 M '67.

Course of the reactions of electrophilic and nucleophilic additions to nitroalkenes and nitroalkynes, A. I. Vildavskaya, K. B. Rati, A. A. Petukov, Zhur. org. khim., 3 no. 3 431-441 M '67.

Reactivity of nitro compounds, Part 4: Kinetics of decomposition of aromatic nitro alcohols in a neutral medium, Calculation, V. N. Likhon, V. M. Belikov, L. M. Kozlov, Elektrokhim. 3 no. 4 421-431 Ap '67.

Reactivity of some difluoromethyl group-containing alcohols, V. A. Komarov and others, Zhur. ob. khim., 37 no. 3 684-686 M '67.

NITROBENZENE

Purification of nitrobenzene, F. F. Chesko and others, Zhur. prikl. khim., 34 no. 4 909-916 Ap '61.

Reactivity of nitrobenzene and its chloro derivatives, V. I. Zeikin and others, Zhur. fiz. khim., 41 no. 4 895-898 Ap '67.

NITROCELLULOSE—DIELECTRIC PROPERTIES

Dielectric properties of nitrocellulose as dependent on the molecular weight, S. N. Kolesov, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 11 no. 2 42-45 '67.

NITROFORM

Effect of solvents on the course of the reaction of addition of trinitromethane mercury salt to unsaturated compounds, V. A. Taratkovskii, L. A. Nikonova, S. S. Novikov, Izv. AN SSSR, Ser. khim., no. 3 706-708 Mr '67.

NITROGEN

Dissection of nitrogen in glow discharge plasma, V. I. Svetsov, A. I. Maksimov, G. P. Dobryakova, Khim. vys. energ., 1 no. 2 174-176 Mr-Ap '67.

Effect of micro-organisms on the degree of assimilation of nitrogen by plants from soils and fertilizers, I. V. SSKHA, no. 1 22-31 '66.

Nitrogen nutrition of pine in stands of various density of plantations, T. N. Sudnitsyna, Lesovedenie no. 2 87-73 '67.

NITROGEN—EFFECT ON PLANTS see Plants, Effect of nitrogen on

NITROGEN—FIXATION

Nitrogen-fixing ability of some blue-green algae, Zh. P. Kopileva, Mikrobiol. zhur., 29 no. 2 95-100 Mr-Ap '67.

Nitrogen-fixing activity of soil actinomycetes and associated cultures, K. I. Andriushin, Mikrobiol. zhur., no. 2 1-5 '67.

NITROGEN OXIDES (Continued)

Nitration of 1,1,4,4-tetrafluorobutadiene by nitrogen dioxide. A. V. Tokin and others. Zhur. ob khim. 37 no. 3:633-636 Mr '67.
Reactions of nitrogen oxides. Report No. 6. Rate constant and mechanism of elementary reaction of nitrogen atoms with carbon dioxide. I. I. Avramenko, V. M. Krasnenkov. Izv. AN SSSR Ser. Khim. no. 3:510-519 Mr '67.

NITRONES

Mechanism of thermal decomposition of nitron ethers. V. I. Taitakovskii, S. L. Ioffe, S. S. Novikov. Zhur. org. khim. 3 no. 4:628-632 Ap '67.

NITROPARAFFINS

Electron paramagnetic resonance spectra of ion radicals formed in the electrochemical reduction of some gem-dinitroalkanes and their salts. B. I. Shapiro and others. Dokl. AN SSSR 173 no. 3:618-621 Mr '67.
Ionization constants of polynitroalkanes in ethyl and methyl alcohols. A. I. Ivanov and others. Zhur. fiz. khim. 41 no. 4:830-833 Ap '67.
Ionization constants of polynitroalkanes in some aprotic dipolar solvents. V. I. Skvetski and others. Zhur. fiz. khim. 41 no. 4:834-837 Ap '67.

NITROSE

Demutination of nitrore by steam in a column with packing. A. N. Tsel'min, A. I. Krasnaya. Zhur. prikl. khim. 31 no. 4:830-835 Ap '67.

NITROSO COMPOUNDS

Electron transfer in reactions of nitroso compounds. Part 4. Donor-acceptor associates of trifluoromethoxy-methane with amines. V. I. Ginsburg and others. Zhur. ob khim. 37 no. 3:611-620 Mr '67.
Transfer of electrons in reactions of nitroso compounds. Part 3. Ionization derivatives of nitroso compounds. V. I. Ginsburg and others. Zhur. ob khim. 37 no. 3:601-611 Mr '67.

NITROSO COMPOUNDS—SPECTRA

Electron transfer in reactions of nitroso compounds. Part 5. Reactions of trifluoromethoxy-methane with reducing agents. V. I. Ginsburg and others. Zhur. ob khim. 37 no. 3:620-633 Mr '67.

NITROSYL CHLORIDE

Addition of nitrosyl fluoride and chloride to alkylperfluorovinyl ethers. B. L. Diatkin and others. Dokl. AN SSSR 165 no. 6:1305-1308 D '65.

NITROSYL FLUORIDE

Addition of nitrosyl fluoride and chloride to alkylperfluoroethers. B. L. Diatkin and others. Dokl. AN SSSR 165 no. 6:1305-1308 D '65.

NITROUS OXIDE

Identification and quantitative determination of nitrous oxide in conversion gas. G. S. Beskova and others. Khim. prom. 43 no. 5:44 My '67.

NIZHNIY BASKUNCHAK (ASTRAKHAN PROVINCE)—GYPSUM

It didn't become easier. S. Grigor'ev. Otkrytiya i soz. stankh. 10 no. 4:23 Ap '67.

NIZHNIY TAGIL—TEACHERS, TRAINING OF

An institute helps the schools. S. Kozlovskii. Nar. obsh. no. 4:18-19 Ap '67.

Practical training in industrial plants. G. A. Bushmich, Z. F. Bodunkova. Shkola i prof. 11 no. 3:67-68 Mr '67.

NIZHNYAYA OIL FIELD—PARAFFIN WAX

Paraffin deposition in reservoir conditions in gas-oil pools of Nizhnyaya Omra field. A. A. Popov. Nefteprom. delo no. 4:29-31 '67.

NIZHNYAYA TUNGUSKA see Lower Tunguska Valley

NOMOGRAPHY (MATHEMATICS)

Adjustable nomograms from equidistant points. G. S. Khovanskii. Nom. sbor. no. 1:85-134 '67.
Card file and exhibition on nomography at Leningrad Public Library. I. A. S. Tel'man. Nom. sbor. no. 4:17-8 '67.
A class or equations of the 5th nomographic order. A. I. Glukhikh. Nom. sbor. no. 4:84-94 '67.
Comparison of methods for nomographing the equation $y_1 + y_2 + y_3 + y_4 + y_5 = 0$. D. G. Lapteva. Nom. sbor. no. 4:51-64 '67.
Comparison of some methods of approximate nomographing. S. V. Smirnov, G. S. Khovanskii. Nom. sbor. no. 4:201-210 '67.
Composite nomogram with an oriented transparency and from adjusted points utilizing the contacts of tangency. E. Iokt. Nom. sbor. no. 4:135-146 '67.
Construction of an adjustable nomogram of multiplication with scales on a circle and on a chord. L. G. Nartova, G. S. Khovanskii. Nom. sbor. no. 4:151-158 '67.
Equations nomographed in n-dimensional space. E. N. Kuz'min. Nom. sbor. no. 4:168-170 '67.
Example of calculating nomogram for optimum weight on bit in turbine drilling. E. M. Khatimbekov, G. M. Zet'manovich. Izv. vyz. ucheb. zav., nefte i gaz. 10 no. 2:41-48 '67.
First conference on nomography in Moscow. A. A. Glagolev and others. Nom. sbor. no. 4:3-6 '67.
Foundations of the method of basic nomograms. D. P. Chobadzhiev. Nom. sbor. no. 4:65-75 '67.
Graphic calculation of casing. S. V. Velichkovich and others. Razrab. nefte i gaz. mest. no. 1:15-19 '65.
Nomogram for a system of two Cauchy-type equations with a common curvilinear scale. G. N. Potetunko. Nom. sbor. no. 4:20-29 '67.
Nomograms for calculating the quickest way of heating a massive plate. I. N. Andreev. Izv. vyz. ucheb. zav., chern. met. 10 no. 3:147-153 '67.
Nomographic method for determining the parameters of the formula for water flow in rivers. Z. A. Khabibullin. D. P. Chobadzhiev. Nom. sbor. no. 4:76-83 '67.
Nomographic technique. P. I. Usanov. Nom. sbor. no. 4:9-19 '67.
Reducing equations with four variables to some canonical forms. B. P. Durakov. Nom. sbor. no. 4:220-227 '67.
Ruler with two slides for solving a problem in underground explosion technique. Khristo K. Kurstov. Nom. sbor. no. 4:30-32 '67.
Three-dimensional nomogram for quadratic interpolation and its planar interpretation. L. G. Nartova, G. S. Khovanskii. Nom. sbor. no. 4:158-164 '67.
Three-dimensional transformation of composite grid nomographs for equations of the type $y_1 + y_2 + y_3 + y_4 = 0$. B. D. Anichin. Nom. sbor. no. 4:33-50 '67.
Two variants of the elementary method for two-by-two separation of variables in equations with four variables. I. M. Bukhalov. Nom. sbor. no. 4:171-178 '67.
Uniform approximations and best construction of nomograph scales. S. V. Smirnov, M. K. Potapov. Nom. sbor. no. 4:170-200 '67.
Use of nomograms of the second genre in solving some geometrical problems. S. R. Nizharadz. Nom. sbor. no. 1:147-151 '67.

NONANAMIDE

Structural changes in polyparagonamide studied by mass elements of water vapor sorption. Z. A. Smirnenko. Ukr. khim. zhur. 33 no. 4:370-372 '67.

NONDESTRUCTIVE TESTING

Control of tests of standard elements under rigorous conditions. Sh. L. Beleshevskii, O. M. Namicheshvili. Soob. AN Gruz. SSR 15 no. 2:325-332 F '67.
Piezoelectric testing of parts. A. K. Denel', Mashinostroitel' no. 4:22-23 Ap '67.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS INGOTS

Electric conductivity of copper ingots. V. I. Ziazev, A. I. Okunev, B. N. Zagrebailnyi. TSvet. met. 34 no. 7:70-75 Ji '61.

NONFERROUS METAL INDUSTRIES see subdivision under Altai Territory

NONFERROUS METAL INDUSTRIES—ACCOUNTING

Accounting and cost calculation in ore mining. G. S. Akon'tev, G. P. Antonova. Gor. zhur. 142 no. 3:19-11 Mr '67.

NONFERROUS METAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Remarks on the article entitled "Principles of furnace improvement for nonferrous metallurgy." A. K. Shakhmazarov. TSvet. met. 34 no. 7:41-13 Ji '61.

NONFERROUS METAL INDUSTRIES—MANAGEMENT

Main trend. L. Kozlov. Sots. trud. 12 no. 5:23-27 My '67.

Nonferrous metal miners getting ready for the 50th anniversary. I. A. Oletnikov. Gor. zhur. 142 no. 3:5-8 Mr '67.

NONFERROUS METAL INDUSTRIES—PRODUCTION STANDARDS see subdivision under Noril'sk (Krasnoyarsk Territory)

NONFERROUS METALS

Drawing-up the balance of metals in ore dressing plants. V. I. Peikalova. TSvet. met. 34 no. 7:11-13 Ji '61.

NONFERROUS METALS—BIBLIOGRAPHY see Bibliography—Nonferrous metals

NONFERROUS METALS—METALLURGY

Cyclone smelting of Dzhezkazgan copper and copper-lead concentrates for production of a rich matte. V. D. Budon and others. Trudy Inst. met. i obog. AN Kazakh. SSR 19:3-10 '68.

Studying forms of metal passage into sublimate during slag treatment by vacuum methods. V. N. Nestorov and others. Trudy Inst. met. i obog. AN Kazakh. SSR 19:28-33 '68.

NONLINEAR DIFFERENTIAL EQUATIONS see Differential equations, Nonlinear

NONMANUFACTURING INDUSTRIES—1965

Turatskii, Sh. Ia., ed. [Developing nonmanufacturing industries: principles of price determination for construction, printing, uslugi. Moscow, 1966. 198 p.]

NONWAGE PAYMENTS see subdivision under Western

NONWOVEN FABRICS

(see also subdivision under Kishinev)

Manufacture of nonwoven fabrics. V. I. P. no. 27 no. 2:49-50 F '67.

Production of a new assortment of nonwoven materials and their introduction into production. Holovna. Loh. prom. 8 no. 2:53-11 Ji '67.

NONWOVEN FABRICS—DRYING

Drying of nonwoven fabrics. M. O. P. no. 27 no. 2:51-52 F '67.

NORADRENALINE

Distribution of blood circulation in the body. S. A. Seleznev, I. V. Butorin. Otkrytiya i soz. stankh. 10 no. 4:23 Ap '67.

NORADRENALINE IN THE BODY

Content of adrenalin and noradrenalin in the glands of developing chick embryos. E. M. Stabovskii. Izv. vyz. ucheb. zav., chern. met. 10 no. 3:147-153 '67.

NORBORNENE

Addition of dichlorocarbene to 3-methyl-5-norbornene. L. M. Mityushina, A. I. P. no. 4:171-178 '67.

NORIL'SK (KRASNOYARSK TERRITORY)—FERROUS METAL INDUSTRIES—PRODUCTION STANDARDS

The economic reform and the establishment of norms. B. Kotliar. Sots. trud. 12 no. 5:23-27 My '67.

NORIL'SK REGION (KRASNOYARSK TERRITORY)—GEOLOGY, STRATIGRAPHY

New data on Upper Devonian and Lower Permian sediments of Noril'sk region. I. L. Mityushina, O. V. Iuferev. Geol. i geofiz. 100 '66.

NORTH AMERICA—POPULATION

Present trends in the growth and distribution of population of North America. V. M. Karpov. Vop. geog. no. 7:146-157 '66.

NORTH ATLANTIC TREATY ORGANIZATION

The crisis of an idea. O. Nakopin. Nar. obsh. no. 23:6-9 Je '67.
The last time in Paris. L. Vidanova. Sots. trud. 14 no. 5:123-124 '67.

NORTH KAZAKHISTAN PROVINCE—ECONOMY

School construction is not a secondary task. D. Shkarupa. Nuz. khoz. Kazakh. 10 no. 1:1-2 D '60.

NORTH OSSETIA see Ossetia, North

NORTH POLE

Position of North Pole in Late Pleistocene ontological data. V. I. Ustrikov. Geol. i geofiz. 25-32 Ja '67.

NORTHEAST ECONOMIC REGION—INDUSTRIAL DEVELOPMENT—CONGRESSES

In the Northeast Region of the country. A. G. Mat. tekhn. snab. 2 no. 4:93-91 Ap '67.

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN HEMISPHERE—ATMOSPHERIC TEMPERATURE

Vertical distribution of temperature in free air in the determined values at each time. Moskateva. Trudy NIAG no. 36:31-42 '67.

NORTHERN HEMISPHERE—DESERTS

Problems concerning the development of the desert in the temperate zone of the northern hemisphere in the Cenozoic. A. A. Kurkov. Izv. Vses. nauch. no. 2:139-141 Mr-Apr '67.

NORTHERN HEMISPHERE—STRATOSPHERE

Zonal heterogeneity of temperature field in the sphere. I. V. Khanevskaya. Trudy NIAG no. 36:18 '66.

NORTHERN HEMISPHERE—TEMPERATURE IN THE

Comparative characteristics of fields of temperature in free atmosphere for seven-year on 16 year periods. I. V. Khanevskaya, Z. D. P. no. 35:43-47 '68.

Zonal heterogeneity of temperature field in the sphere. I. V. Khanevskaya. Trudy NIAG no. 36:18 '68.

NORTHERN HEMISPHERE—WINDS

Methodology for calculation of mean wind in vertical layers. I. G. Guter'man and others. Trudy NIAG no. 35 58-82 '66.

NORWEGIAN SEA—GEOLOGY

Geology of Norwegian Sea and northeastern part of Atlantic Ocean. V. Kh. Gevork'ian, I. U. G. Chugunnyi. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 196-203 '66.

NORWEGIAN SEA—OCEAN CURRENTS

Study of currents during the 18th voyage of research vessel "Mikhail Lomonosov." G. P. Fonomenko and others. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 35-11 '66.

NORWEGIAN SEA—OCEANOGRAPHY

Hydrologic conditions in Norwegian Sea and northeastern part of Atlantic Ocean in the autumn of 1965. I. U. G. Ryzhkov and others. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 18-25 '67.

Results of hydrochemical study. A. A. Novoselov, L. I. Man'kovskaya. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 53-57 '66.

NORWEGIAN SEA—PALEONTOLOGY, STRATIGRAPHIC

Faunal characteristics of bottom sediments in southwestern part of Norwegian Sea and northeastern part of Atlantic Ocean. V. A. Dudkovskii. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 181-184 '66.

NORWEGIAN SEA—SILT

Some data on physicochemical characteristics of sediments and chemistry of silt waters of Norwegian Sea. O. V. Shishkina, V. S. Bykova. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 195-197 '66.

NORWEGIAN SEA—WATER—COMPOSITION

Some data on physicochemical characteristics of sediments and chemistry of silt waters of Norwegian Sea. O. V. Shishkina, V. S. Bykova. Eksp.-inform. Mor. gidrofiz. inst. AN URSS no. 3: 195-197 '66.

NOSE—SURGERY

Modification of a rhinoscope to facilitate galvanocautery of the nasal conchae. I. M. Guzeev. Zhur.ushn. nos. 1 gorl. bol. 20 no. 2: 87 Mr-Apr '68.

Some factors affecting hemodynamic changes following resection of the nasal septum. N. M. Smirnov. Zhur.ushn. nos. 1 gorl. bol. 20 no. 2: 21-25 Mr-Apr '68.

NOSE—TUMORS

Transitory cellular papillomas of the nose and its accessory sinuses. I. V. Dvorkovskaya. Arkh. pat. 29 no. 4: 13-18 '67.

NOSE, ACCESSORY SINUSES OF

Anatomy of frontonasal canals. I. U. K. Revskoi. Arkh. anat., gist. i embri. 52 no. 4: 60-63 Ap '67.

NOSE, ACCESSORY SINUSES OF—TUMORS

Transitory cellular papillomas of the nose and its accessory sinuses. I. V. Dvorkovskaya. Arkh. pat. 29 no. 4: 13-18 '67.

NOSE, ACCESSORY SINUSES OF—TUMORS

Transitory cellular papillomas of the nose and its accessory sinuses. I. V. Dvorkovskaya. Arkh. pat. 29 no. 4: 13-18 '67.

NOTARIES

Legal advice for notaries. Rad. pravo no. 4: 60-70 Ap '67.

Practice of notarial agencies in certifying the copies of documents signed by private persons. R. Vinogradova. Sov. iust. 31 no. 8: 14 Ap '67.

NOVODOR PROVINCE—PODZOL

[Turf-Podzolic soils; genesis, geography, crop-producing evaluation] Dverno-podzoliznye pochvy; geozis, geografiya, agroproduktivnaya otsenka. [Leningrad] Izd-vo Leningr. univ., 1967. 137 p.

NOVOALTAYSK (ALTAI TERRITORY)—BOOKSELLERS AND BOOKSELLING

The "Star" shines brightly. V. Razivinskii. Knizh. tovg. 18 no. 4: 30 Ap '67.

NOVOCAINE

Anesthesia of the respiratory tract. V. I. Semenov. Sov. med. 27 no. 8: 41-44 Ag '63.

Effect of diethylaminoethanol, a product of novocaine hydrolysis, on tissue respiration in various organs. K. V. Slobodkina. Trudy Oren. otd. Vses. fiziol. ob-va no. 3: 220-224 '64.

Effect of novocaine and soyacaine on the nature of experimental hypercholesterolemia. G. T. Lobanova. Trudy Oren. otd. Vses. fiziol. ob-va no. 3: 214-219 '64.

Effect of the intravenous injection of novocaine on the physical and morphological composition of blood in horses. D. M. Sladkov. Trudy UzNIIZI no. 4: 119-122 '59.

Use of 5% alcohol-novocaine solution in maxillary-facial region. N. I. Zhigontsi. Sob. AN Gruz. SSR 45 no. 2: 531-535 F '67.

Use of retrosternal novocaine blocks in the treatment of reflex stenocardia in diseases of the gallbladder. L. N. Prudorenko. Sov. med. 30 no. 3: 91-92 Mr '67.

NOVOCALINE—SIDE EFFECTS

Case of anaphylactic shock following introduction of penicillin and novocaine. A. G. Ostrovskii. Antibiotiki 12 no. 4: 338-339 Ap '67.

NOVOGRIGOR'YEV OIL FIELD—GAS, NATURAL—ANALYSIS

Properties of formation oil and composition of casing-head gas in Novogrigor'yev oil field. A. S. Zhurba, A. A. Muradov, V. A. Tostykh. Neft i gaz prom. no. 2: 37-39 Mr-Apr '67.

NOVOGRIGOR'YEV OIL FIELD—PETROLEUM—ANALYSIS

Properties of formation oil and composition of casing-head gas in Novogrigor'yev oil field. A. S. Zhurba, A. A. Muradov, V. A. Tostykh. Neft i gaz prom. no. 2: 37-39 Mr-Apr '67.

NOVOIMANIN

Effect of novoimania and mycel in combination on microflora of wounds. A. R. Shuryok and others. Mikrobiol. zhur. 20 no. 2: 153-156 Mr-Apr '67.

NOVOKUZNETSK—MACHINERY INDUSTRY

Precision casting shop at "Kuznetskii" Machinery Manufacturing Plant. L. Gerike and others. Trudy NIPIPT-MASII no. 1: 154-159 '63.

NOVOKUZNETSK—RECREATION CENTERS

Let us meet at the "Ganima Club..." V. Levashov. Mol. komm. no. 3: 73-78 '67.

NOVOKUZNETSK—VOCATIONAL GUIDANCE

Interschool vocational orientation center. N. I. A. Kantorovich. Rad. shk. 45 no. 1: 47-48 Ap '67.

NOVOROSSYSKY, BATTLE OF, 1041-1042

In defense of Novorossysk. I. G. Pavlov. Vest. protivovozd. obr. no. 3: 80-93 Mr '67.

NOVOSIBIRSK—CONCRETE PLANTS—DESIGN AND CONSTRUCTION

Korovina, Z. P. [Analysis and planning for attaining the planned production capacity of new enterprises] Analiz i planirovaniye osvoeniya novykh moschnostei. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1967. 135 p.

NOVOSIBIRSK—KINDERGARTEN

A source of happiness. S. G. Inkeovich. Doshk voap. 40 no. 4: 88-89 '67.

NOVOSIBIRSK—LABOR AND LABORING CLASSES—STATISTICS

Problems of using the labor resources and reproducing the population in large cities, as exemplified by Novosibirsk. I. M. Muentov. Izv. SO AN SSSR no. 1: 66-72 Ja '67.

NOVOSIBIRSK—RADIO—EQUIPMENT AND SUPPLIES

The step taken proved right. V. Krasnov. Sov. radio i tel. 9 no. 5: 35 '68.

NOVOSIBIRSK—RADIO IN INDUSTRY

Quality is most important. M. Gladen. Sov. radio i tel. 9 no. 1: 13-14 '68.

NOVOSIBIRSK—SOCIAL PARTICIPATION

Creating conditions for drawing workers into public work. F. A. Baturin. Izv. SO AN SSSR no. 1: 134-136 Ja '67.

NOVOSIBIRSK—TELEVISION

"Vodod." L. Gelubkina. Sov. radio i tel. 9 no. 4: 32-33 '68.

NOVOSIBIRSK—VACATIONS, EMPLOYEE

Rationalizing employees' leave. B. Khomelianskii. Nauch. dokl. vyzh. shkoly, ekon. nauk 10 no. 4: 51-57 '67.

NOVOSIBIRSK—WAR MEMORIALS

The eternal flame. N. Pupitsyn. Agitator 35 no. 0: 38-41 My '67.

NOVOSIBIRSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

The economic reform and tasks of party organizations. N. K. Dybenko. Izv. SO AN SSSR no. 1: 1-9 Ja '67.

NOVOSIBIRSK PROVINCE—INDUSTRIAL MANAGEMENT

The economic reform and tasks of party organizations. N. K. Dybenko. Izv. SO AN SSSR no. 1: 1-9 Ja '67.

NOVOSIBIRSK REGION—FOG

Fogs in Tolmachevo Airport region. V. M. Iarkova. Nauch. trudy TashGU no. 270: 87-116 '66.

NOVOSIBIRSK REGION—METEOROLOGY IN AERONAUTICS

Fogs in Tolmachevo Airport region. V. M. Iarkova. Nauch. trudy TashGU no. 270: 87-116 '66.

NOZZLES

Development and study of new small slot-type gas-jet ejectors. P. A. Kogan. Izv. vyzh. shkoly, ekon. nauk 10 no. 4: 64-70 Ap '67.

Theory of efficient profile of nozzle. A. E. Kuliev. Dokl. AN Azerb. SSR 22 no. 11: 43-45 '66.

NOZZLES—TESTING

Selecting standard size of nozzles for sand jet tapping of reservoir. P. M. Usachev and others. Mash. i elekt. obr. no. 2: 8-12 '67.

NUCLEAR COUNTERS

Estimating the accuracy of beta measurements in bone-tissues. I. U. Davydov. Izv. vyzh. shkoly, ekon. nauk 10 no. 2: 3-6 '67.

Short-exposure electron timer. V. E. Garling, V. M. Omelin. Geofiz. app. no. 27: 112-111 '66.

Fifth Symposium on Scintillation Counters and Semiconductor Radiation Detectors. L. Petrenko. Atom. energ. 22 no. 1: 326-327 Ap '67.

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom. tekhn. za rub. 10 no. 4 '66.

Using radioisotope methods and instruments in checking and automatization of technological processes in machine construction. V. Khuchnikov. Atom. energ. 22 no. 3: 247-248 Mr '67.

NUCLEAR FISSION

Angular distribution of fragments and cross section of ^{226}Ra fission by deuterons. A. S. Dovgilenko and others. IAD, fiz. 5 no. 3: 538-543 Mr '67.

Angular spectra of neutrons from the ternary fission of ^{235}U nuclei. O. I. Ivanov and others. IAD, fiz. 5 no. 4: 737-740 Ap '67.

Channel analysis of ^{234}U fission by neutrons. P. E. Vorotnikov. IAD, fiz. 5 no. 3: 553-550 Mr '67.

Correlation between the energy of α -particles and the number of γ -quanta at spontaneous ternary fission of Cm^{244} . V. M. Adamov and others. IAD, fiz. 5 no. 1: 923-924 Ap '67.

Energy spectra of charged particles accompanying the fission of ^{235}U by protons with an energy $E_p = 660$ Mev. V. S. Bychenko, N. A. Perfilov. IAD, fiz. 5 no. 1: 727-733 Ap '67.

Fission of uranium by 31-260 Mev. electrons. I. U. N. Rantuk, P. V. Sorokin. IAD, fiz. 5 no. 3: 531-534 Mr '67.

Mass and kinetic energy distribution of fragments from ^{233}U fission by thermal and fast neutrons. V. I. Senchenko and others. IAD, fiz. 5 no. 3: 514-517 Mr '67.

Structure of the kinetic energy spectra of fragments from ^{235}U fission by fast neutrons. I. U. N. Rantuk and others. IAD, fiz. 5 no. 3: 527-528 Mr '67.

NUCLEAR FUELS

Thermal conductivity of the boundary layer of a stream of liquid-metal coolants. M. N. Ivanovskii, I. U. N. Rantuk, V. I. Subbotin. Atom. energ. 22 no. 3: 231-233 Mr '67.

NUCLEAR MAGNETIC RESONANCE

Conformation analysis of cyclic organosilicon compounds by means of proton magnetic resonance. K. A. Adrianov and others. Dokl. AN SSSR 173 no. 2: 331-334 Mr '67.

Equation of relaxation of an isotopic for magnetic material. I. U. N. Rantuk. Fiz. metal. metalloved. 23 no. 3: 420-423 Mr '67.

Form of the nuclear magnetic resonance line in metal crystals containing dislocations. I. M. Dubrovskii. Fiz. metal. metalloved. 23 no. 3: 572-574 Mr '67.

Nuclear magnetic relaxation in aqueous solutions 2-1 electrolytes. L. S. Lilech, M. K. Khripun, V. I. Chizhik. Teor. i ekspr. khim. 3 no. 2: 255-259 Mr-Apr '67.

Nuclear magnetic resonance and ferroelectric properties of sodium hydroxide mixed crystals. G. V. Gavrilova-Podolskaya and others. Fiz. tver. tela 9 no. 4: 1168-1170 Ap '67.

Nuclear magnetic resonance of F^{19} and the comparison of regularities in variations of chemical shifts of nuclear magnetic resonance of F^{19} and nuclear quadrupole resonance Cl^{35} and Br^{79} in halonitro alkanes. G. K. Semin and others. Teor. i ekspr. khim. 3 no. 2: 233-239 Mr-Apr '67.

Nuclear quadrupole resonance of Cl^{35} in organochloro-germanes. I. P. Biriukov and others. Dokl. AN SSSR 173 no. 2: 361-364 Mr '67.

Proton magnetic resonance spectra of HF solutions in triethyl phosphate. I. U. N. Rantuk, V. V. Iastrebov, S. S. Korovin. Zhur. neorg. khim. 12 no. 3: 725-728 Mr '67.

"Rotational" saturation in the nuclear magnetic resonance. A. A. Samokhin. Fiz. tver. tela 9 no. 3: 956-957 Mr '67.

Some regularities in the nuclear quadrupole resonance frequency variations of Cl^{35} and reactivity in the series of alkyl halides and acid chlorides. A. A. Nelymsheva and others. Dokl. AN SSSR 173 no. 3: 585-588 Mr '67.

Study of cyclic alcohols under stress by means of carbon magnetic resonance. E. T. Lippman and others. Dokl. AN SSSR 173 no. 2: 358-360 Mr '67.

Study of orientational effects in stretched and rolled rubbers by the nuclear magnetic resonance method. A. S. Shishkov, F. A. Galik-Ogly, A. S. Novikov. Kauch. i rez. 26 no. 4: 5-7 '67.

Study of the state of liquids in gels of polysilicic acid by means of nuclear magnetic resonance. V. V. Strelko, B. M. Mitsluk, Z. Z. Vysotskii. Teor. i ekspr. khim. 3 no. 2: 263-268 Mr-Apr '67.

- NUCLEAR MAGNETIC RESONANCE (Continued)**
- Studying the decomposition of supersaturated solid solutions by the method of nuclear magnetic resonance
M.F. Lapenkov, *Izv. vuz. ucheb. zav. khim. i tekhn.* 10 no. 3:105-108 '67
- Ultrasonic excitation of magnetic dipole transitions of F^{19} nuclei in LiF single crystals
V.A. Shutilov, G.L. Antokhlev, *Fiz. tverd. tela* 9 no. 4:1231-1234 Ap '67
- Use of nuclear magnetic resonance in the elementary analysis of a substance
A.M. Sazonov, *Geofiz. zh.* app no. 3:148-57 '67
- Use of nuclear magnetic resonance relaxometer for studying self-diffusion in liquids
G.M. Panchenkov, N.N. Boisenko, V.V. Erchenkov, *Zh. fiz. khim.* 41 no. 4:915-918 Ap '67
- NUCLEAR MAGNETOMETER**
- Application of dynamic polarization in a nuclear precession magnetometer
E.P. Kosenko, V.S. Strel', G.L. Iakovlev, *Geofiz. zh.* app no. 3:35-39 '67
- Comparability of magnetic field measurements with ferromagnetic and nuclear magnetometers
A.L. Shipilov, *Geofiz. zh.* app no. 2:70-73 '66
- Composite proton magnetometer
V.I. Mikhkhar, *Geofiz. zh.* app no. 3:20-30 '67
- Design principles of pickups for nuclear precession magnetometers
A.L. Rotshtein, *Geofiz. zh.* app no. 2:64-69 '66
- Error due to vibration in geomagnetometers
V.L. Karmirovich, B.F. Midisev, V.A. Shilov, *Geofiz. zh.* app no. 3:40-47 '67
- The marine proton magnetometer
I.I. Beliaev, R.T. Vasil'ev, *Geofiz. zh.* app no. 2:82-86 '66
- Maximum sensitivity conditions for a magnetometer based on optical atomic orientation
G.P. Nedovodov, V.M. Ryzhkov, *Geofiz. zh.* app no. 2:6-28 '65
- NUCLEAR MODELS**
- Inelastic π -p interaction at high energies and a statistical model of multiple particle production
G.M. Zinov'ev, *Izv. fiz.* 5 no. 4:884-886 Ap '67
- Using a nonlocal exchange model in analyzing inelastic π -p interactions
I.A. Kuchin, A.S. Tolebaeva, P.A. Usik, *Izv. fiz.* 5 no. 4:877-883 Ap '67
- NUCLEAR PHYSICS**
- Soviet physicists in Italy
V. Chudinov, *Atom. energ.* 22 no. 4:329 Ap '67
- NUCLEAR PHYSICS—CONGRESSES**
- Tenth Symposium on Scintillation Counters and Semiconductor Radiation Detectors
I. Peltenko, *Atom. energ.* 22 no. 4:326-327 Ap '67
- NUCLEAR REACTIONS**
- Analyzing elastically scattered deuterons by means of stripping reactions
I.U. Gofman and others, *Izv. fiz.* 5 no. 4:718-726 Ap '67
- Calculation of the rates of atomic reactions at low energies
V.K. Bykhovskii, *Teor. i eksper. khim.* 3 no. 2:191-195 Mr-Apr '67
- Collision time in nuclear reactions
V.F. Rybachenko, *Izv. fiz.* 5 no. 3:685-687 Mr '67
- Concentration of polonium in bismuth by zone melting
E.E. Kononov, Sh.I. Peizulaev, V.P. Emel'yanov, *Radiofizika* 9 no. 2:215-221 '67
- D(d, p)T reaction on polarized deuterons at energies of 100 - 500 KeV
B.P. Ail'mashev, I.U. Polunin, D.E. Fomenko, *Izv. fiz.* 5 no. 4:713-717 Ap '67
- Dehydrogenation of n-butane on neutron-irradiated oxide catalysts
Vikl. I. Spitsyn, G.N. Progov, *Khim. vye. energ.* 1 no. 1:84-86 Ja-F '67
- Differential cross sections of $O^{16}(\alpha, n)^{19}F$ and $O^{16}(\alpha, p)^{17}F$ reactions in the energy range 0.6 - 1.75 MeV
A.P. Kolbeev and others, *Izv. fiz.* 5 no. 3:510-513 Mr '67
- Excitation functions of $Ag^{109}(p, n)$, $Ag^{109}(\alpha, 2n)$, and $Ag^{107}(\alpha, 2n + pn)$ reactions, and the yield of Cd^{109} isotope
P.P. Dmitriev, I.O. Konstantinov, N.N. Krasnov, *Atom. energ.* 22 no. 4:310-312 Ap '67
- Inelastic π -p interactions at an energy of 7.5 GeV
Quadruple-beam events with protons
V.A. Belikov and others, *Izv. fiz.* 5 no. 4:834-847 Ap '67
- Inelastic π -p interaction at high energies and a statistical model of multiple particle production
G.M. Zinov'ev, *Izv. fiz.* 5 no. 4:884-886 Ap '67
- Lower states of Re^{186} and Re^{188} nuclei excited in the (n, γ) -reaction
P.T. Prokof'ev, L.I. Simonova, *Izv. fiz.* 5 no. 4:697-700 Ap '67
- Method of Green's functions and the theory of stripping reactions
S.G. Kadomenskii, *Izv. fiz.* 5 no. 4:758-765 Ap '67
- On the n, γ -reaction and the yield of delayed neutrons from Th^{232}
B.P. Makulenko and others, *Izv. fiz.* 5 no. 3:529-530 Mr '67
- Passage time of a particle through a barrier
V.F. Rybachenko, *Izv. fiz.* 5 no. 4:895-901 Ap '67
- Problem of many bodies and direct nuclear reactions
Vertex functions in the problem of three bodies
L.D. Blokhintsev, E.I. Dolinskii, *Izv. fiz.* 5 no. 4:787-809 Ap '67
- Producing spontaneously fissionable Am^{240} and Am^{242} isomers in neutron transfer reactions
I.U. P. Gangrakii and others, *Izv. fiz.* 5 no. 3:535-537 Mr '67
- Production of π^0 -mesons in the $e^+e^- \rightarrow \mu^+\mu^-\pi^0$ reaction
V.M. Arutunian, I.U. G. Shakhnazarian, *Izv. fiz.* 5 no. 4:874-876 Ap '67
- Search and study of three-particle resonances in π^+p interactions at a momentum of 4.7 GeV/c
I.A. Votkinskii and others, *Izv. fiz.* 5 no. 3:603-611 Mr '67
- Studying exchange scattering of π^+ -mesons on light nuclei with 2.8 GeV/c momentum
G.S. Veselovskii and others, *Izv. fiz.* 5 no. 4:848-850 Ap '67
- Studying γ -ray coincidences in (n, γ) reaction on Cr^{50} , Cr^{53} isotopes
A.P. Bogdanov, V.N. Tadeush, E.I. Firsov, *Izv. fiz.* 5 no. 3:504-509 Mr '67
- Theoretical analysis of knocking-out reactions
V.M. Kolybasov, N.I.A. Smolodinskii, *Izv. fiz.* 5 no. 4:777-785 Ap '67
- Theory of direct atomic-molecular reactions. Part I
G.K. Ivanov, I.U. S. Salasov, *Teor. i eksper. khim.* 3 no. 2:172-184 Ma-Apr '67
- NUCLEAR REACTORS**
- Average collision probability for finite cylinders and other convex solids
V.A. Zharkov, V.P. Tsient'ev, *Atom. energ.* 22 no. 3:229-230 Mr '67
- Calculating the cascades for the separation of multicomponent isotope mixtures
V.P. Minenko, *Atom. energ.* 22 no. 4:321-323 Ap '67
- Calculating the distribution of neutrons and K_{eff} of a multistage reactor with completely inserted absorbing rods
N.N. Novikova, *Atom. energ.* 22 no. 4:306-307 Ap '67
- Comparing m-phase schemes of cascade generators
G.I. Kitaev, *Atom. energ.* 22 no. 3:227 Mr '67
- Effect of oxides on heat transfer in the case of transverse flow of sodium around the staggered bank of tubes
V.M. Borishanskii, V.B. Zhukina, L.V. Firsova, *Atom. energ.* 22 no. 4:317-318 Ap '67
- Electric modeling of temperature fields in nuclear reactors
I.U. I. Grubnikov, V.E. Minashkin, A.A. Sholokhov, *Atom. energ.* 22 no. 4:76-79 Ap '67
- Nonburned-up emitter for fission chambers
A.B. Dmitriev, A.S. Grekov, E.K. Malyshev, *Atom. energ.* 22 no. 4:314-315 Ap '67
- Observing Hg^{201} decay in ZrT_2 compound and in zirconium
V.P. Vertebnyi and others, *Atom. energ.* 22 no. 3:235-237 Mr '67
- Pulses on delayed neutrons in a fast reactor
V.T. Kolesov, *Atom. energ.* 22 no. 4:306 Ap '67
- Reactively compensation of nuclear reactors by means of laminar burn-up absorbers
V.N. Arutunian, A.V. Voronkov, *Atom. energ.* 22 no. 3:215-218 Mr '67
- Studying the boundary conditions of P_2 -approximation in spherical geometry
G.I.A. Rumanian, V.S. Shulepin, *Atom. energ.* 22 no. 4:316-317 Ap '67
- Torlin, B. Z.** [Calculation of weak self-oscillation modes of nuclear reactors] *Russkii sbornik aviakolebatel'nykh rezhimov iadernykh reaktorov*, Moskva, 1964, 21 p.
- Velocity distribution of coolants and stresses on the wall of close-packed rods
I.U. D. Levchenko, V.I. Subbotin, P.A. Ushakov, *Atom. energ.* 22 no. 3:218-225 Mr '67
- NUCLEAR REACTORS—SAFETY MEASURES**
- Electrohydraulic control system of safety rods of SM-2 reactor
S.I. Gorskoy and others, *Atom. energ.* 22 no. 3:234-235 Mr '67
- NUCLEAR REACTORS—SHIELDING (RADIATION)**
- Backscattering of γ -radiation from aluminum barriers of finite thickness
D.B. Pozdnev, S.A. Chudin, L.D. Gubshel'm, *Atom. energ.* 22 no. 4:285-290 Ap '67
- Correction to the article "Gamma-radiation method in calculating the efficiency of radiation apparatus with planar irradiators"
F.A. Makhsis, A.Kh. Bregor, *Atom. energ.* 22 no. 3:237-238 Mr '67
- Studying the interaction of spheres consisting of fissionable material
M.I. Kuvshinov, B.D. Steiborskii, *Atom. energ.* 22 no. 4:312-313 Ap '67
- NUCLEAR SHELL THEORY**
- Nonlocal factorizing potential in calculations based on the shell model
I.Sh. Vashokidze, *Izv. fiz.* 5 no. 4:771-776 Ap '67
- NUCLEAR SPIN**
- Effect of proton transition on nuclear relaxation in polymer melts
V.D. Fedotov, V.S. Ionkin, *Teor. i eksper. khim.* 3 no. 1:134-136 Ja-F '67
- The effect of self-ionization with disturbance of intercombination forbiddenness in a plasma
L.I. Grechikhin, *Dokl. AN BSSR* 11 no. 3:214-216 Mr '67
- Effect of the spin on quantum oscillations of the transverse magnetoresistance in mercury selenide
R.I. Bashirov, R.M. Gadzhieva, *Fiz. i tekhn. poluprov.* 1 no. 3:443-444 Mr '67
- Influence of steric effects on the distribution of spin density in nitroxide radicals
A.M. Vasserman, A.L. Buchachenko, M.B. Neiman, *Teor. i eksper. khim.* 3 no. 2:253-254 Mr-Apr '67
- Interaction of spin waves with polarons in ferroelectrics
E.G. Petrov, *Fiz. tverd. tela* 9 no. 4:1109-1112 Ap '67
- Some characteristics of spin-lattice relaxation in Kramers systems
I.V. Aleksandrov, K.K. Pukhov, *Fiz. tverd. tela* 9 no. 4:1159-1165 Ap '67
- Special theory of the relativity and the law of conservation of momentum
A.A. Efimov, *Izv. GAO* 24 no. 4:189-195 '68
- Spin structure of meson production amplitudes with random spins in π -N collisions
B.M. Kharin, *Izv. fiz.* 5 no. 3:658-662 Mr '67
- Spin structure of the photoproduction amplitudes at energies
A.V. Berkov, I.U. P. Nikitina, *Izv. fiz.* 5 no. 3:650-657 Mr '67
- Spin wave theory in Heisenberg ferromagnetic crystals
A.I. Miteev, *Fiz. metal. i metalloved.* 23 no. 3:41-42 Mr '67
- Theory of collective excitations in Heisenberg crystals
A.I. Miteev, *Fiz. tverd. tela* 9 no. 3:373-374 Y '67
- Theory of cyclotron induction and echo
I.A. I. Kopylov, U.Kh. Kopylov, *Fiz. metal. i metalloved.* 23 no. 3:568-569 Mr '67
- Thermal conductivity and heat capacity of aluminum garnets
D.D. Deviatkova, V.V. Ilykhova, *Fiz. tverd. tela* 9 no. 3:772-777 Mr '67
- NUCLEASES**
- Nuclease activity of cell fractions of *Gaerlinia*
A.D. Skridanenko, *Vop. ekol. onk.* no. 2:184-193 '67
- NUCLEI, ATOMIC**
- Absorption of 70 MeV π^+ -mesons by the nuclei of emulsion
V.G. Khilov-Uglumov, T.M. Sidorova, A.I. Fesenko, *Izv. fiz.* 5 no. 4:851-854 Ap '67
- Charge exchange of antiprotons on nuclei
Izv. vuz. ucheb. zav., *Fiz.* 10 no. 2:29-33 '67
- Collectivization of single-particle transitions in deformed nuclei
E.E. Belovich, *Izv. fiz.* 5 no. 3:560-565 Mr '67
- Emission of fast double charged particles in the splitting of nuclei by protons and antiprotons
Zh.S. Takibaev and others, *Izv. fiz.* 5 no. 4:33-37 Ap '67
- Excitation of two-phonon states of a nucleus by γ -ray scattering
S.I. Drozdov, *Izv. fiz.* 5 no. 4:71-73 Ap '67
- Excited states of deformable odd atomic nuclei
R.B. Begzhanov, B. Iskanov, Sh. Sharipov, *Izv. AN UrSSR Ser. fiz.-mat. nauk* 11 no. 2:57-60 '67
- Intermolecular interaction in an irreducible ferrule
Calculating the binding energy of light nuclei
V. Vanagas, A.K. Petruskas, *Izv. fiz.* 5 no. 3:551-559 Mr '67
- Isotopic shifts of X-ray $K_{\alpha 1}$ - lines in the transition from spherical to deformed nuclei
O.I. Sumbaev and others, *Izv. fiz.* 5 no. 3:511-551 Mr '67
- Variation of the density matrix in the outer shell of a fluid Fermi system and ghost states in the inner shell of a nucleus
B.L. Birbaier, *Izv. fiz.* 5 no. 4:745-746 Ap '67
- NUCLEI, ATOMIC—DIFFRACTION**
- Diffraction interaction of light nuclei
A.G. Sitrtk, E. Ismatov, V.K. Tartakovskii, *Izv. fiz.* 5 no. 3:573-582 Mr '67
- NUCLEIC ACID METABOLISM**
- Effect of the intensity of the contractile function of myocardium cells on DNA synthesis in collagen
Interstitium connective tissue of myocardium
F. Meerson, G.M. Alekhina, *Dokl. AN SSSR* 173 no. 3:1222-1225 Ap '67
- NUCLEIC ACIDS**
- Age-related changes in protein synthesis. Report of protein and nucleic acid formation in kidneys of aged animals following nephrectomy of one kidney
E.V. Parina, L.I. Bezugala, C.A. Muzhikina, *Izv. zap. KIGU* 131:27-32 '62
- Age-related characteristics of the nucleotide composition of RNA and DNA in rat liver
V.N. Nikitina, T. Shereshevskaya, *Uch. zap. KIGU* 131:110-114 '62
- Biological activity of RNA preparations isolated from larvae of bee moth, infected with nuclear polytrophic virus
E.M. Zhezhitsova, I.P. Kok, *Dop. AN BSSR Ser. B* 20 no. 1:75-78 Ja '67
- Change in nucleic acids content in *Gaerlinia* tumor cells of white rats following complex treatment (Hematoxylin and cold factor)
M.D. Keiven, *Dop. AN URSSR Ser. B* 20 no. 5:459-460 My '67
- Change in RNA of motoneurons and biopotentials of central radicles following prolonged stimulation of dorsal radicles of the spinal cord in narcotized frogs
D.U. Darinskii, A.V. Didenko, *Dokl. AN SSSR* 173 no. 1:971-973 Ap '67
- DNA synthesis in *Misgurnus fossilis* (L.) in early embryogenesis
V.G. Kondratenko, G.V. Noustroev, *Dokl. AN SSSR* 172 no. 6:1460-1462 F '67
- Distribution of DNA of pea sprouts (*Pisum sativum*) in density gradient of cesium chloride
T.G. Borzda, M.S. Odintsova, *Dokl. AN SSSR* 173 no. 5:1209-1211 Ap '67
- Effect of nucleic acid synthesis inhibitor and stimulant on the development of compensatory hypertrophy and function of the unique kidney
F.Z. Meerson and others, *Dokl. AN SSSR* 165 no. 6:1409-1412 D '65
- Effect of ribonucleic acid of Ehrlich's carcinoma on its transplantability and growth of this tumor
V.G. Vinter, *Vop. onk.* 13 no. 3:56-62 '67
- Geographical variability of nucleic acid content in embryos of *Hezostata* in wheat variety
V.N. Stoykov and others, *Dokl. AN SSSR* 173 no. 2:469-471 Mr '67

2023

NEWSPAPERS

Journalist no. 3

TECHNOLOGICAL RESEARCH

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

WINE

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

TELEVISION IN EDUCATION

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

TELEVISION IN LEGAL EDUCATION

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

PROVINCE—ROTATION OF CROPS

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

PROVINCE—FERTILIZERS AND MANURES

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

PROVINCE—GROUND SQUIBBLES—EXTENSION

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

PROVINCE—REFRIGERATION AND REFRIGERATING MACHINERY

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

EQUIPMENT AND SUPPLIES

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

EQUIPMENT AND SUPPLIES—EXHIBITIONS

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

FURNITURE—EXHIBITIONS

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

PRACTICE

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

FIELD BRINES—ANALYSIS

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

FIELD BRINES—IRON CONTENT

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

FIELD FLOODING

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Effect of temperature on the properties of polymers. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

OIL FIELDS—EQUIPMENT AND SUPPLIES

Improving technology of controlling liquids and their selective pumping into reservoir with varying permeability. V. P. Bobeluk and others. Nauch.-tekhn. sbor. podob. nefli no. 30 100-101 '66.

Organizing comprehensive supply of materials and equipment and transportation services to drilling enterprises. S. F. Gorkin. Organ. i upr. nefteob. prom. no. 133-37 '66.

Reliability of the remote control systems of oil fields. A. I. Kagan. Trudy VZEI no. 31-55-69 '66.

OIL FIELDS—SAFETY APPLIANCES

Use of protective belts for oilmen. I. U. N. Ovsianikov. Bezop. truda i prom. no. 4 48-49 Ap '67.

OIL FIELDS—SAFETY MEASURES

On an unfortunate accident while tending the automated well. U. I. Batyrov. Bezop. truda i prom. no. 10 no. 10 16-17 O '66.

OIL FIELDS—VALUATION see subdivision under Apsheron Peninsula region

OIL HYDRAULIC MACHINERY

Designing single-stage hydromechanical torque converters with a forced rotation of the reactor. I. U. N. Laptev. Vse-t. mashinost. 47 no. 4 21-25 Ap '67.

Effect of the size of the actuating hydraulic engine on the dynamics of a hydraulic drive. V. N. Pokrovskiy, V. S. Kibot'. Izv. vyz. ucheb. zav., mashinost. no. 1 67-75 '67.

Hydraulic loading unit with a hydraulic gap selector for running-in and investigating reducers by the closed cycle. A. B. Krasnikov. Stal, dor. mash. 12 no. 4 15-16 Ap '67.

Selecting optimum parameters of discrete hydraulic drives. A. V. Pizantov. Mekh. mash. no. 12-76-83 '66.

OIL INDUSTRIES

Measures for preventing traumatism and accidents. B. I. Kuzev. Bezop. truda i prom. no. 10 no. 134 Ap '66.

OIL RESERVOIR ENGINEERING

(See also subdivision under Siberia, Western)

Approximate calculation of indices of oil-gas pool development taking into account gas segregation. A. A. Bokseman, A. M. Nagiev. V. F. Shershtnikov. Nauch.-tekhn. sbor. podob. nefli no. 30 48-53 '66.

Calculating pressure loss in the range of low shear velocities in viscoplastic liquid. N. P. Loshchil, D. I. U. Mocheruk. Izv. vyz. ucheb. zav., nefl' i gaz. 10 no. 2 77-80 '67.

Calculation of correlation functions of hydraulic conductivity and well production in nonuniform layers using Monte-Carlo method. V. V. Skvortsov, A. V. Il'ina, T. S. Khamitova. Nauch.-tekhn. sbor. podob. nefli no. 30 75-82 '66.

Coefficient of flow resistance increases when pressure drops below saturation pressure. A. I. Akul'shin. Neft' i gaz. prom. no. 2 27-30 Mr-Ap '67.

Derivation of recurrent formula for new transcendental functions used in solving basic problems of elastic drive. Z. F. Karpicheva, Izv. vyz. ucheb. zav., nefl' i gaz. 10 no. 2 81-83 '67.

Determination of reservoir parameters based on self-flow curve of well. M. G. Aliekhov, B. F. Gubonov. Nauch.-tekhn. sbor. podob. nefli no. 30 53-57 '66.

Displacement of viscous oil by water from two interconnected layers. A. G. Kovalev, B. F. Roisov. Nauch.-tekhn. sbor. podob. nefli no. 30 62-66 '66.

Effect of reservoir nonuniformity on indicator diagrams. E. K. Kovalev, I. Kh. Seifrov. Nefteprom. delo no. 4 11-15 '67.

Equations of boundary line movement of two incompressible fluids in porous medium in three-dimensional flow. I. U. N. Abramov, R. M. Kats. Nauch.-tekhn. sbor. podob. nefli no. 30 21-28 '66.

Experimental studies of depletion of inclined reservoir in gravity-gas drive. G. L. Kozlenko and others. Nauch.-tekhn. sbor. podob. nefli no. 30 82-87 '66.

Formulating theoretical problems of flow of homogeneous fluid in fractured porous media. E. A. Bonlarev, V. N. Nikolaevskiy. Nauch.-tekhn. sbor. podob. nefli no. 30 29-33 '66.

Movement of boundary line of liquids in eccentrically situated well. A. Sh. Kazymov. Nauch.-tekhn. sbor. podob. nefli no. 30 17-20 '66.

Shape of the curves of pressure restoration in pressure wells of a fissured collector. R. I. Medvedskiy, PMTT no. 6 105-107 N-D '66.

Some characteristics of method for investigating oil well rate. N. I. Timkov, B. M. Kurochkin. Neft, khoz. 45 no. 4 24-27 Ap '67.

Studying thermodynamic regime in hole of operating wells. E. V. Tesluk. Nauch.-tekhn. sbor. podob. nefli no. 30 33-40 '66.

Temperature characteristics of Joule-Thomson effect in porous medium. M. A. Gusein-Zade, A. K. Kolesovskaya. Izv. vyz. ucheb. zav., nefl' i gaz. 10 no. 2 73-78 '67.

OIL SANDS

Prognostical of main parameters of fractured reservoir rocks. E. N. Permiskov. Blul. MOIP. Old. geol. no. 1 123-162 Ja-F '67.

OIL SANDS—ANALYSIS

(See also subdivision under Bashkiria)

Device for determining electric and magnetic properties of rocks. V. F. Indutnyi. Neft' i gaz. 10 no. 10 10-13 Mr-Ap '67.

Efficient combined studies of porous media. L. A. Gorkan, L. A. Kotel'mova. Geol. nefl' i gaz. 45 no. 4 56 Mr '67.

OIL SANDS—PERMEABILITY

Characteristics of advance of water in porous media flooding. V. G. Golovinskiy. Neft' i gaz. 45 no. 4 56 Mr '67.

Effect of geologic factors on development of oil fields of productive horizons in Dnieper basin. M. M. Matukhin. Neft' i gaz. 45 no. 4 56 Mr '67.

OIL SHALE INDUSTRY—SAFETY MEASURES

division under Estonia

OIL SHALES

New lignite and oil shale deposits in the USSR. Padalka. Ugol' Ukr. 11 no. 2, 10-50 1 '67.

OIL WELL CASING

Effect of cement ring on resistance of casing. S. B. Guseinov, M. A. Guseinov, A. A. Guseinov. Neft' i gaz. 45 no. 4 56 Mr '67.

Graphic calculation of casing. S. V. Vasil'ev. Neft' i gaz. 45 no. 4 56 Mr '67.

Investigating load dynamics in pulling casing pipes and casing. M. I. Vorobeychikov. Neft' i gaz. 45 no. 4 56 Mr '67.

Methodology of calculating inner pressure of casing. Tishchenko, A. A. Pirogov. Neft' i gaz. 45 no. 4 56 Mr '67.

OIL WELL CEMENTING

(See also subdivision under Romania, Oil Fields)

Second Union Conference on Improving Cementing of Wells. S. R. Bilyk. Neft' i gaz. 45 no. 4 56 Mr-Ap '67.

Calculating expenditure of components and cement-clay and cement admixtures with well. M. I. M. Novikov. Neft' i gaz. 45 no. 4 56 Mr-Ap '67.

Effect of cement ring on resistance of casing. S. B. Guseinov, M. A. Guseinov, A. A. Guseinov. Neft' i gaz. 45 no. 4 56 Mr '67.

Heat-resistant clay-cement mixtures. Neft' i gaz. 45 no. 4 56 Mr '67.

Proportion of plugging slurry and slurry in water slurry. I. S. Puzin. Neft' i gaz. 45 no. 4 56 Mr '67.

Strength of plugging cement in conditions of volumetric compression. A. G. Shchegolev. Neft' i gaz. 45 no. 4 56 Mr '67.

OIL WELL COMPLETION

(See also subdivision under Caucasus, Territory, Kuybyshev Province; Manchukuo Oil Fields)

Analysis of labor organization in oil well completion. A. S. Rechetov. Organ. i upr. nefteob. prom. no. 139 41 '66.

Economic effectiveness of using formations. A. I. Pervichik. Neft, khoz. 45 no. 4 56 Mr '67.

Regularizing bonus payments for well testing. Testers. T. S. Lapshin, V. V. I. Guseinov. Neft' i gaz. 45 no. 4 56 Mr '67.

Change in drilling rate during round trip. B. A. Burenko. Neft, khoz. 45 no. 4 56 Mr '67.

Damping lateral vibration of drill pipe by a gas seal. V. E. Kopylov, E. M. Mukhin. Neft' i gaz. 45 no. 4 56 Mr '67.

Determining necessary frequency of mechanical parameters of drilling under different conditions. V. V. Rybakov, B. A. Malin. Neft' i gaz. 45 no. 4 56 Mr '67.

Drillability of rocks in diamond drilling. Neft' i gaz. 45 no. 4 56 Mr '67.

Economic expediency in pouring mud into well pulling drill pipe. G. Kovalev. Neft' i gaz. 45 no. 4 56 Mr '67.

Effect of design of turbodrill bearing disk on resistance of drilling difficulties and production of bits in deep drilling. V. F. Alekseyev. Neft' i gaz. 45 no. 4 56 Mr '67.

Effect of rate of drilling mud flow on power in drilling. I. U. V. Sadykhov and others. Neft' i gaz. 45 no. 4 56 Mr '67.

Example of calculating nomogram for optimal bit on bit in turbine drilling. B. M. Khalilov. Neft' i gaz. 45 no. 4 56 Mr '67.

Graphic-analytical method for calculating hydraulic percussion drills. I. N. Hutunov. Neft' i gaz. 45 no. 4 56 Mr '67.

Increasing the safety of attaching the drill pipe to the rock. P. F. Upolovnikov. Bezop. truda i prom. no. 3 22 Mr '67.

OIL WELL DRILLING (Continued)

- Instrument for interpreting the reading of the apparatus determining the orientation of the deflecting tool on the well bottom. S. T. Manafov, Za tekhn. prog. 7 no. 1, 23-25 Ja '67.
- Investigating load dynamics in pulling and running drill pipes and casings. M. I. Vozobitov, V. I. Pilychko. Mash. i neft. obr. no. 3 12-19 '67.
- Methodology of planning drilling speed. A. A. Avanesov, Neft. khoz. 43 no. 10:6-10 O '65.
- Remote control of well drilling parameters using oil-field power network. I. U. G. Tolstov, I. A. Minin, P. I. Zorulia, Mash. i neft. obr. no. 3 20-31 '67.
- Studying effect that torsional and specific moments of effectiveness of drilling. V. I. Statostin, Burenie no. 3:5-8 '67.

OIL WELL DRILLING—ACCOUNTING

- Further improvement of planning and accounting of drilling operations. I. U. G. Tolstov, A. D. Shakhmurov, Organ. i upr. nefteob. prom. no. 4:23-26 '66.

OIL WELL DRILLING—COSTS

- (see also subdivision under Tatar A.S.S.R.; Tyumen' Province)

Methodology of calculating technical and economic indices in drilling. L. M. Umanaki, M. S. Gadzhiev, Izv. vys. ucheb. zav., neft' i gaz 10 no. 2 117-119 '67.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

- Efficient dimensions of quadrangular drill collars. E. P. Filov, Burenie no. 3:3-5 '67.
- Experience in using rigid bottom hole assembly made from square pipe. E. Kh. Mekhtiev and others, Burenie no. 3:10-12 '67.
- Problem of extending the life of the sleeves of conveyor and vibration screens. N. Z. Levitski, Za tekhn. prog. 7 no. 3 26-30 Mi '67.

OIL WELL DRILLING—LABOR PRODUCTIVITY

- (see also subdivision under Tatar A.S.S.R.; Tyumen' Province; Ukraine; Volgograd Province)

- Analysis of changes in labor productivity in drilling based on fundamental factors. A. Ia. Isp'ev, Organ. i upr. nefteob. prom. no. 4:16-20 '66.
- Improving organization of management of drilling operations. V. M. Grigor'ev and others, Organ. i upr. nefteob. prom. no. 1:28-32 '66.
- Results of introducing new wage terms for drilling foremen. A. A. Bragin, S. M. Kozhev, I. M. Kmin, Organ. i upr. nefteob. prom. no. 2:13-16 '66.

OIL WELL DRILLING—MANAGEMENT

- Some problems of improving use of fixed assets in drilling enterprises. S. F. Gorkin, Organ. i upr. nefteob. prom. no. 4:8-11 '66.

OIL WELL DRILLING—SAFETY MEASURES

- Investigating causes of explosions in wells during air drilling. G. S. Gazarian, A. A. Klaclev, Neft. khoz. 45 no. 1:6-21 Ap '67.
- Once again about the means of individual protection in the process of lubricating petroleum and gas spouts. E. A. Kuznetsov, S. I. Syrovatkinov, Bezop. truda v prom. 10 no. 10 52-51 O '65.
- Preventing explosions when boring holes and blowing the face with air. G. S. Gazarian, Bezop. truda v prom. 11 no. 3:23-24 Mi '67.

OIL WELL DRILLING, ELECTRIC—EQUIPMENT AND SUPPLIES

- Effect of increased pressures on performance of individual parts of electric drills. E. M. Iurchak, P. Ia. Zhurav, Mash. i neft. obr. no. 2:25-26 '67.

OIL WELL DRILLING, SUBMARINE

- For marine prospectors. Azerb. neft. khoz. 16 no. 3: 11 Mi '67.
- Problems in the automation of power supply networks feeding marine exploratory drilling installations. S. A. Ioannidze, E. B. Danzon, Za tekhn. prog. 7 no. 3:15-20 Mi '67.

OIL WELL DRILLING RIGS

- Device for fixing the stationary branch of the compound pulley cable. N. G. Kovalenko, Bezop. truda v prom. 10 no. 10 51 O '66.
- Drive efficiency of hoisting mechanism and pumps of drilling rigs. V. A. Avakov, V. N. Dmitriev, Mash. i neft. obr. no. 3 38-42 '67.
- Efficient scheme of rigging hoisting mechanism of drilling rigs. M. A. Bukshstein, Neft. khoz. 43 no. 10: 23-26 O '65.
- Improving packing of drilling ell swivels. M. A. Garibov, Mash. i neft. obr. no. 3 6-11 '67.
- Selecting hoisting speeds for contemporary drilling rigs with diesel-hydraulic and electric driving. V. L. Arkhangelski, Mash. i neft. obr. no. 2:3-8 '67.
- Stability of the A-shaped drilling mast. S. G. Sultanov, M. M. Mikhaylov, V. N. Maidetman, Za tekhn. prog. 7 no. 1:20-23 Ja '67.

- Study of the geochemical composition of Noric petroleum of No. 21, 23, 44, oil well drilling rigs. M. Khundadze, Sh. Sharashidze, Trudy Tbil. GU 71:337-344 '66.

OIL WELL DRILLING RIGS—DESIGN AND CONSTRUCTION

- (see also subdivision under Kuybyshev Province)
- Determining numerical strength and skilled personnel of derrick-erecting crews. M. M. Naumovs and others, Organ. i upr. nefteob. prom. no. 5 24-28 '66.

- Forms of production planning in building drilling rigs; derrick-erecting operations. S. F. Gorkin, Organ. i upr. nefteob. prom. no. 2:8-10 '66.

OIL WELL DRILLING RIGS—SAFETY APPLIANCES

- Investigating stressed state in body of universal preventer. A. T. Rasi-Zade and others, Mash. i neft. obr. no. 2:17-20 '67.
- Manifold of preventer unit for effective pressure of 500 kg/cm². F. L. Laroslavski, V. A. Markarian, Mash. i neft. obr. no. 2 12-17 '67.

OIL WELL LOGGING

- Evaluating reliability of statistical links between reservoir properties and geophysical parameters. A. M. Rutman, R. I. Bursakovskii, Izv. vys. ucheb. zav., neft' i gaz 10 no. 2 14-16 '67.
- Heat-resistant pulsed neutron generator in oil well logging. D. F. Borsalov and others, Geofiz. app. no. 20 104-111 '66.
- Instruments for dielectric inductive logging. I. U. N. Antonov, D. S. Davov, Geofiz. app. no. 26 54-73 '65.
- Mechanization of logging of underground wells. S. P. Kuznetsov, V. I. Kozhvin, S. N. Seregin, Geofiz. app. no. 20 151-154 '66.
- Method and equipment for detecting certain elements in matter. D. L. Petman, Geofiz. app. no. 27 101-103 '66.
- Small-size accelerating tube UNG-1 for neutron generators in oil well logging. D. F. Borsalov, Geofiz. app. no. 20 12-103 '66.
- Some factors affecting the characteristics of scintillation counters in a three-channel radioactive logging unit. A. F. Vedekhin, E. V. Semenov, Geofiz. app. no. 31:104-109 '67.
- Using meter of filter cake for delineating reservoirs in well sections. A. V. Ruchkin, Neftgaz. geol. i geofiz. no. 3:11-15 '67.

OIL WELL LOGGING—EQUIPMENT AND SUPPLIES

- A. C. generator for use in electrical logging. A. A. Molchanov, Geofiz. app. no. 31:130-133 '67.
- Electric characteristics of a single-strand logging cable. V. P. Bochimov, V. N. Tarasov, Geofiz. app. no. 31:123-129 '67.
- Methodological uses of radioactive logging equipment. I. A. Babin, N. K. Kukharenko, Geofiz. app. no. 20: 112-117 '66.
- Suggestion for improving the LAK-1 Laboratory of Acoustical Logging. I. M. Nuzhnaia, Sun' Shan'-1 [Sun' Shan'-1], Geofiz. app. no. 31:192-194 '67.
- Use of a IG-1 pulse neutron generator in well logging. I. A. Kitanov, M. V. Konoplev, Geofiz. app. no. 27 141-145 '66.

OIL WELL LOGGING, ELECTRIC

- (see also subdivision under Azerbaijan; Daghestan)
- Effect of changes of well diameter on readings of three-electrode lateral log. A. I. G. Chernikov, N. V. Mamadov, Izv. vys. ucheb. zav., neft' i gaz 10 no. 2, 72, 81 '67.

OIL WELL PUMPS

- Determining excessive delivery factor in piston mud pumps by computation. M. A. Kornev, Azerb. neft. khoz. 46 no. 3 48 Mi '67.
- Drive efficiency of hoisting mechanism and pumps of drilling rigs. V. A. Avakov, V. N. Dmitriev, Mash. i neft. obr. no. 3 38-42 '67.
- Effect of precision in making parts of crosshead on efficiency of mud pump rod. V. V. Strakhov, A. Ia. Raikhal, S. G. Babayev, Mash. i neft. obr. no. 1 25-28 '67.
- Some hydraulic indices of performance of adjustable high-pressure plunger pumps used for testing the Christmas tree. S. A. Abdurashitov, R. P. Faybrade, I. U. Llapin, Azerb. neft. khoz. 46 no. 3 45-47 Mi '67.
- Stand for testing sealing action of cylinder-piston pair of mud pumps. I. A. S. Mkrtichyan, G. R. Ioannestan, Mash. i neft. obr. no. 2 28-30 '67.

OIL WELL PUMPS—ELECTRIC DRIVING

- Automatic single-phase capacitor motor of centrifugal subsurface pump. B. M. Pliushch, D. I. Roifman, Izv. vys. ucheb. zav., neft' i gaz 10 no. 2, 97-100 '67.
- Experience in using nonreturn valves in subsurface centrifugal electric pumps. Z. A. Rosta, I. U. Sh. Monashev, L. S. Kaplan, Mash. i neft. obr. no. 2:22-25 '67.

OIL WELL PUMPS—RELIABILITY

- Appraisal of the reliability parameters of automated deep-pump oil wells. R. A. Dzhabarov, Za tekhn. prog. 7 no. 3: 5-7 Mi '67.

OIL WELL SHOOTING

- (see also subdivision under Anastasyevka-Troitskoye Oil Field)
- Selecting standard size of nozzles for sand jet tapping of reservoir. P. M. Usachev and others, Mash. i neft. obr. no. 2:8-12 '67.

OIL WELLS

- Determination of the working area of the function (a $f(Q_{sh})$) for the automatic control of a flowing well. F. A. Ali-Zade, E. A. Ismailov, Za tekhn. prog. 7 no. 3 3-5 Mi '67.

OIL WELLS—ACIDIZATION

- Increasing effectiveness of hydrochloric acid treatment. I. S. Alichevnikov, M. F. Putilov, Neft. khoz. 45 no. 4 44-46 Ap '67.

OIL WELLS—AIR-GAS LIFT

- Determining optimum speed of liquid lift in tubing when exploiting wells by air or gas lift. F. A. Baba-Zade, Neftprom. delo no. 1:31-35 '67.

- Investigating lift performance in exludic flow wells. S. A. Movsumzade, Izv. nefteob. khoz. 46 no. 3 33-35 Mi '67.

OIL WELLS—EQUIPMENT AND SUPPLIES

- (see also subdivision under Azerbaijan, Baku Archipelago; Egypt)
- All-Union Conference on Improving Construction and Cementing of Wells. S. R. Bil'ik, Neft' i gaz prom. no. 2 52 Mi-Ap '67.
- Efficient equipment of the heads of flowing wells with pump mandrels. E. P. Belov, G. M. Melnikov, Bezop. truda v prom. 10 no. 10 17-18 O '66.
- GRT-1 depth theirometer. B. A. Nankov, V. B. Mullin, Neftprom. delo no. 1:36-38 '67.
- Mechanization of round trip operations in well maintenance work. Kh. M. Mordukhlov, Mash. i neft. obr. no. 2:20-21 '67.
- Quality of drilling equipment. I. Osadchuk, Neftanil' 10 no. 2:23-24 I '65.
- Sealing annular space of wells when using hydraulic blow-out preventer. N. M. Sychev, E. I. Stukhina, Izv. vys. ucheb. zav., neft' i gaz 10 no. 2:85-89 '67.
- Stresses occurring in casing when calipers become wedged. E. I. Uzunov, Razrab. neft' i gaz mest. no. 1 17-51 '65.
- Using meter of filter cake for delineating reservoirs in well sections. A. V. Ruchkin, Neftgaz. geol. i geofiz. no. 3:41-45 '67.

OIL WELLS—HYDRAULIC FRACTURING

- (see also subdivision under Romashkino Oil Field)
- Determining bottom-hole pressure during hydraulic fracturing. N. N. Nabl'ev, F. I. Dmitov, Neftprom. delo no. 1:31-34 '67.
- Sand jet method for treating bottom zone layer using inclined nozzles and evaluation of its effectiveness. G. D. Savenkov, Razrab. neft' i gaz mest. no. 1 35-41 '65.
- Some characteristics of controlling location of fractures in hydraulic fracturing using deep-well flowmeter. I. G. Zhuvagin, Neftgaz. geol. i geofiz. no. 3:46-48 '67.

OIL WELLS—MAINTENANCE AND REPAIR

- Removing the deposited paraffin in the lifting pipes of wells and in pipelines. E. G. Baidunov, I. G. Manvelian, Bezop. truda v prom. 10 no. 4 19-51 Ap '66.

OIL WELLS—TESTING

- Effect of various factors on differential pressure changes in well testing using formation testers. V. A. Kolokol'tsev, R. S. Laitpov, K. G. Khamatov, Neftprom. delo no. 1:23-26 '67.

OIL WELLS—VALVES

- Automatic cutoff valve of wells. I. G. Isp'ev, A. G. Bacev, Mash. i neft. obr. no. 3 35-37 '67.

OILS AND FATS

- Changes in the fat of fishes during their aging. V. V. Ball, S. R. Dominova, Izv. vys. ucheb. zav., pishch. tekhn. no. 2:36-39 '67.
- From the practice of growing rosemary and producing rosemary oil. O. K. Kal'chenko and others, Khar. prom. no. 2 21-23 Mi-Ap '67.
- Interaction of group components during coking. M. E. Levinov and others, Khim. i tekhn. topl. i masel 12 no. 4:20-22 Ap '67.
- Some problems in developing menilla sediments in Baku field using gas pressure inj. N. S. Shvachuk, V. G. Mitzina, Razrab. neft' i gaz mest. no. 1:50-61 '65.
- Vitreous form of hydrogenated fat. I. V. Nikonov, Izv. vys. ucheb. zav., pishch. tekhn. no. 2:131-133 '67.

OILSEED INDUSTRY—EQUIPMENT AND SUPPLIES

- Investigating the productivity of screw-type oil presses. V. A. Maslitskiy, P. I. Chechevitsyn, Izv. vys. ucheb. zav., pishch. tekhn. no. 2:108-113 '67.

OKA RIVER (IRKUTSK PROVINCE)—HYDROBIOLOGY

- Effect of waste water from a distillery on aquatic organism. A. N. Litvinov, Nauch. dokl. vys. shkoly, biol. nauk 10 no. 3:20-22 '67.

OLBIA (BORYSTHENES)—KILNS

- An Olbian kiln. R. I. Vetshtin, Arkheologia 16:200-208 '65.

OLD AGE

- Causes of sudden lethality in elderly persons. D. Z. Kolosov, V. S. Dmitrov, Voenn.-med. zhur. no. 4: 74-75 Ap '67.
- Determination of the rate of visual perception in vascular diseases in elderly persons. E. M. Mol'tuk, Zhurn. nevro. i psikh. 67 no. 4:511-514 '67.
- Neuromorphological changes in the process of aging. E. Cracian, V. Mares, Zhurn. nevro. i psikh. 67 no. 4: 572-576 '67.

OLEFINS

- (see also subdivision under Azerbaijan)
- Addition of α -difluoromethane to unsaturated compounds. Part 2: Addition of α -difluoromethane to fluorinated olefins. G. S. Nikol'skaya, A. T. Troshchenko, Zhurn. org. khim. 3 no. 4:709-711 Ap '67.

OPTICAL PATTERN RECOGNITION

Description of images by integral stage functions. V. I. Vasyl'ov, V.IU. Routs'kiy. *Avtomatika* 12 no. 2 26-31 Mr-Apr '67.

Indeterminate cognitive and predictive systems. O. H. Ivakhnenko and others. *Avtomatika* 12 no. 2 32-52 Mr-Apr '67.

OPTICAL PATTERN RECOGNITION—BIBLIOGRAPHY see Bibliography—Optical pattern recognition

OPTICS

Achromatic interval of flashing and constant light sources. R. L. Fol'bi, S. V. Voronina. *Svetotekhnika* 13 no. 5 22-23 My '67.

Letter to the editor. L. D. Svatova, M. I. Epshtein. *Svetotekhnika* 13 no. 5 29 My '67.

OPTICS, GEOMETRICAL

Transmission coefficients of optical systems. S. A. Sukhopiatov, I. M. Dolinskii. *Opt.-mekh. prom.* 31 no. 4 10-14 Ap '67.

OPTICS, PHYSICAL

Calculating the illumination of the image of a point on the basis of the wave theory of light. G. G. Pavitskain. *Opt.-mekh. prom.* 31 no. 4 14-21 Ap '67.

OR VALLEY—PLANT COMMUNITIES

Ecological adaptation of plant communities in the western part of the Or-Kumak Watershed (southern Urals). M. D. Spalykhina-Ufimtseva. *Uch. zap. LGU* no. 327 97-179 '67.

ORDZHONIKIDZE, GRIGORI KONSTANTINOVICH, 1896-1937

The noble heart of Seigo. Ludmila Panchuk. *Sem'm i shkola* 21 no. 10:2-3 O '66.

ORE DEPOSITS

(see also subdivision under Carpathian Mountains, Caucasus, Northern; Darasun region, Shikha District; Donets Basin; Inandra region, Murmansk Province; Kaimazar Mountains; Lower Tunguska Valley; Ossiia, North; Soviet Central Asia, Ural Mountains; Uzbekistan)

Chromium and chromium-containing minerals in deep-seated xenoliths in kimberlite pipes. V. S. Scholov, N. V. Solov'ev. *Geol. iud. mestorozh.* 9 no. 2 10-16 '67.

Comparison of geology of foreign deposits of the Cambrian conglomerates by means of discrete mathematics. P. P. Kiselev, A. N. Dmitriyev, I. I. Zhuravlev. *Dokl. AN SSSR* 173 no. 5 1149-1152 Ap '67.

Evacuation of Br, J, Zn, and Cu dissolved in river water of U.S.S.R. T. Kh. Kolesnikov, G. S. Kononov. *Gid. obkhim. mat.* 42 65-81 '66.

Hydrothermal equilibrium; equilibrium in systems containing uranium and heavy metal sulfides at 200°-360° C. R. P. Rafail'skii, B. S. Osipov. *Geol. iud. mestorozh.* 9 no. 2 11-17 '67.

Importance of study of curves of distribution of contents for knowledge of processes of ore formation. V. I. Mityakov. *Dokl. AN SSSR* 173 no. 4 986-989 Ap '67.

Some examples of complex interrelations of veins and veins and their genetic interpretation. D. V. Rundkvist, V. K. Denisov. *Geol. iud. mestorozh.* 9 no. 2 58-68 '67.

Systematics of enclosed ore belts. G. I. Kna'zov. *Geotekhnika* no. 2 94-100 Mi-Apr '67.

Valley and mackinawite and conditions of their occurrence in ores. A. D. Genkin, L. N. Vin'kov. *Geol. iud. mestorozh.* 9 no. 2 91-106 '67.

ORE DEPOSITS—ANALYSIS see subdivision under Gissar Range

ORE DEPOSITS—MICROBIOLOGY see subdivision under Ural Mountains

ORE DRESSING

[Application of new physical and physicochemical effects on pulp in mineral dressing]. *Primeneniye novykh fizicheskikh i fiziko-khimicheskikh vozdeystviy na pul'pu pri obogashchenii poleznykh iskopaemykh*. Moskva, Nauka, 1967. 78 p.

Dogdanov, E. I. [Problems of technical progress in washing sands from placer deposits of the northeastern U.S.S.R.]. *Voprosy tekhnicheskogo progressa na promyshlennye peskov rossypanykh mestorozhdenii Severo-Vostochna SSSR*. [Magadan] Magadanskoe knizhnoe izd-vo, 1967. 206 p.

Concentration of carbonate-phosphorite ores of the Domanoginskoye deposit. N. T. Tsapkov, M. A. Gol. *Khim. prom.* 13 no. 6:71-73 My '67.

Drawing-up the balance of metals in ore dressing plants. V. I. Perkhaleva. *TSvet. met.* 31 no. 7:11-13 Ji '61.

Economic efficiency of the new technological processes for the treatment of hard-to-treat gold-bearing concentrates at the place of mining. P. P. Bybin, B. N. Miloslavskii. *Izv. SO AN SSSR* no. 1 49-51 Ja '67.

Economic importance of ore preparation for smelting. L. I. Shchepilov, N. P. Bannyi, A. A. Fedotov. *Izv. vys. ucheb. zav. Chern. met.* 10 no. 3 188-191 '67.

Effect of the accuracy of analysis on the balance of metals. I. A. Rubinchik. *TSvet. met.* 34 no. 7 16-19 Ji '61.

Greater accuracy in the definition of recovery in establishing the balance of metals in ore dressing plants. O. A. Shumkov. *TSvet. met.* 34 no. 7:14-16 Ji '61.

Influence of cloth structure in the filtration of iron ore concentrates. A. P. Belenko. *Gor. zhur.* 142 no. 3 61-62 Mb '67.

Production of high-quality phosphorite concentrates from the ores of Yegor'yevsk deposits using magnetic separation. A. V. Mash'lanova, I. U. M. Smirnov, I. A. Kholmanskii. *Khim. prom.* 43 no. 2 38-42 F '67.

Technological indices of the performance of synthetic cloth. A. I. Raffenko. *Gor. zhur.* 142 no. 3 63-65 Mb '67.

Treatment of lead-copper-zinc pyritic sulfide ores containing secondary copper sulfides. V. A. Nagasenko. *TSvet. met.* 31 no. 7:1-3 Ji '61.

ORE DRESSING—EQUIPMENT AND SUPPLIES

(see also subdivision under Agarak, Armenia)

Elevation of pulp and ore dressing products by pulp elevators and block pumps. S. I. Chetnykh. *TSvet. met.* 34 no. 7:89-91 Ji '61.

Metal detectors in ore dressing plants. A. V. Shtengel. *TSvet. met.* 31 no. 7:91-92 Ji '61.

ORE DRESSING—MATHEMATICAL MODELS

Mathematical description of comminution processes in jaw crushers. V. M. Marashev. *Izv. vys. ucheb. zav. gor. zhur.* 10 no. 2 160-166 '67.

ORE DRESSING PLANTS—EQUIPMENT AND SUPPLIES

Automatic control of the process of breaking sylvanite ores in closed grinding circuits with mixed screens. P. A. Kulik, L. A. Reibman. *Izv. vys. ucheb. zav. gor. zhur.* 10 no. 2 156-159 '67.

ORE DRESSING PLANTS—SANITATION

Results of the competition on dust removal in crushing and conveying plants of the nonferrous metal industry. V. A. Frolov. *TSvet. met.* 31 no. 7:93-94 Ji '61.

OREKHOVO-ZUYEVO—COMMUNITY CENTERS

Big business of a "small club." M. L. Lina. *Sov. profsoyuz.* 23 no. 4 31-32 F '67.

OREKHOVO-ZUYEVO—TEXTILE WORKERS

Big business of a "small club." M. L. Lina. *Sov. profsoyuz.* 23 no. 4 31-32 F '67.

OREL PROVINCE—LIBRARIES, CHILDREN'S

Training children in the use of the catalog. G. Loseva. *Bibliotekar'* 11 no. 4 25-26 Ap '67.

ORENBURG PROVINCE—RADIOBROADCASTING—STUDY AND TEACHING

On a wide road. A. Kirpan'. *Sov. radio i tel.* 9 no. 6 3 '60.

ORES see subdivision under Georgia

ORES—SAMPLING AND ESTIMATION

Economic advantages of mechanized rock sampling in coal mines. R. I. Druzhina, A. A. Turman. *Ugol' Ukr.* 11 no. 3:11-16 Mi '67.

Effect of the accuracy of analysis on the balance of metals. I. A. Rubinchik. *TSvet. met.* 31 no. 7:10-19 Ji '61.

Improving the methods of calculating losses and depletion in mining ore deposits using caving systems. M. I. Agoslovskiy, V. P. Ryzhov. *Gor. zhur.* 142 no. 3:22-27 Mi '67.

ORGANIC ACIDS see Acids, Organic

ORGANIC COMPOUNDS

Importance of the place occupied by the metal in the D. I. Mendeleev periodic system in the selection of cathode material for the electroreduction of organic compounds. A. T. Potenko. *Elektrokhimiya* 3 no. 2 252-255 '67.

Mass spectrometric isotope analysis of organic substances when ionized by a strong electric field. I. Z. Korosty-shovskii, I. V. Gol'denfeld. *Dokl. AN SSSR* 172 no. 6 1304-1307 F '67.

Physicochemical study of the interaction of niobium chlor oxide with organic compounds. A. V. Leshchenko, O. A. Osipov. *Zhur. obkhim.* 37 no. 3:534-538 Mr '67.

Successes in the field of electrochemical preparation of organic compounds. M. I. Fiozhin, A. P. Tomilov. *Khim. prom.* 43 no. 4 3-12 Ap '67.

Temperature-phase behavior of C-11 frequencies in Raman scattering spectra of organic compounds. D. G. Brutan and others. *Izv. vys. ucheb. zav. fiz.* 10 no. 2 150-153 '67.

ORGANIC COMPOUNDS—SPECTRA

Saturation of nonuniform broadening electron paramagnetic lines and its application for determining relaxation characteristics. O. P. Zhukov and others. *Teor. i eksper. khim.* 3 no. 2:240-249 Mr-Apr '67.

ORGANIC MATTER

(see also subdivision under Mingechaur Reservoir)

Atmospheric precipitation containing separate groups of organic matters. A. D. Semenov and others. *Gid. obkhim. mat.* 42 17-21 '66.

Chemical nature of organic matters contained in water of Neva River. A. D. Semenov and others. *Gid. obkhim. mat.* 42 182-185 '66.

Determination of organic matter quality in spots of a thin-layer chromatogram by wet burning method. V. M. Khromov. *Nauch. dokl. vys. shkoly. biol. nauk* 10 no. 3 136-138 '67.

Determining selenium in minerals and rocks containing carbonized organic matters. T. L. Belopol'skaya. *Trudy VSEGEI* 125 62-65 '66.

Organic matters of atmospheric precipitation. A. D. Semenov and others. *Dokl. AN SSSR* 173 no. 5 1185-1187 Ap '67.

Seasonal observations on contents of some groups of organic matters in Volgograd Reservoir. V. G. Dniakov and others. *Gid. obkhim. mat.* 42 191-195 '66.

Waters of some rivers of Soviet Union containing separate groups of organic matters. A. D. Semenov and others. *Gid. obkhim. mat.* 42 171-177 '66.

ORGANIC MATTER—ANALYSIS

Composition of organic matters in flood waters forming in small drainage basins of mid zone. A. D. Semenov and others. *Gid. obkhim. mat.* 42 186-190 '66.

ORGANOBORON COMPOUNDS

Molecular refractions in boronitrous compounds. I. S. Panide. *Dokl. AN SSSR* 165 no. 6 1320-1322 D '65.

Stability constants of some polyolobioic complexes. V. A. Nazarenko, L. D. Diak. *Zhur. neorg. khim.* 12 no. 3 643-649 Mi '67.

ORGANOCHLORINE COMPOUNDS

Effect of organochlorine insecticides on the direction of bioclimatic processes in plants and development of aphids. I. M. Smirnova. *Khim. v sel' khov.* 5 no. 4 16-18 Ap '67.

ORGANOFLOURINE COMPOUNDS

β -Amino- β -(trifluoromethyl)-propionic acid and β -(trifluoromethyl)- β -propiolactam. I. V. Zolman, L. L. Khamants. *Dokl. AN SSSR* 173 no. 2 354-357 Mi '67.

ORGANIODINE COMPOUNDS—SPECTRA

Absorption spectra of aqueous solutions of iodine compounds with polyvinyl alcohol. D. A. Gordin, G. P. Faerman. *Zhur. obkhim.* 37 no. 3:597-600 Mr '67.

ORGANOMERCURY COMPOUNDS—SPECTRA

Infrared and ultraviolet spectra of organomercury compounds. Part 3. Infrared absorption spectra of toluene and benzyl halides in comparison with the spectra of benzyloxy halides. M. U. Nefedova, I. P. Pentin, I. B. Beletskaya. *Zhur. obkhim.* 37 no. 4 621-628 Ap '67.

ORGANOMETALLIC COMPOUNDS

Dimetallic derivatives of ethylene. A. N. Nesmelinov, A. D. Borisev, N. V. Novikova. *Dokl. AN SSSR* 172 no. 6 1329-1332 F '67.

Interaction of $\text{Pb}(\text{OOC})_2$ and $\text{Ar}_2\text{Pb}(\text{OOC})_2$ with organomagnesium and organolithium compounds. V. I. Kodolinskaya, E. M. Panov, K. A. Kocheshkov. *Zhur. obkhim.* 37 no. 3 517-549 Mr '67.

Reaction of some vinylacetylene and 2,4-diene organometallic compounds with hexachlorocyclopentadiene. M. F. Shostakovskii and others. *Zhur. obkhim.* 37 no. 3 567-570 Mr '67.

Reducing metalation of carbonyl compounds. Part 5. Synthesis and composition of 1,1-diphenylethanediols. D. V. Lofte. *Zhur. obkhim.* 37 no. 3 535-539 Mi '67.

Spectrophotometric study of silicic acid-molybdenum complex solutions. V. F. Bakovskii, T. L. Radovskaya. *Zhur. neorg. khim.* 12 no. 4 991-995 Ap '67.

Structure of cyclopentadienylmetal compounds. O. A. Shchenblov, I. A. Ustynnik. *Dokl. AN SSSR* 173 no. 4 847-850 Ap '67.

Vinylacetylene and its organosilicon and organotin derivatives in diene synthesis. M. F. Shostakovskii, N. V. Komarov, V. K. Misiunns. *Dokl. AN SSSR* 173 no. 4 843-846 Ap '67.

ORGANOMETALLIC COMPOUNDS—SPECTRA

Vibrational spectra of organometallic compounds with group VB elements. A. E. Borisev and others. *Dokl. AN SSSR* 173 no. 4 855-858 Ap '67.

ORGANOPHOSPHORUS COMPOUNDS

Determination of some neutral organophosphorus extraction agents. A. V. Nikolaev and others. *Zhur. anal. khim.* 22 no. 2 254-259 F '67.

Extraction of alkali metal iodides by neutral organophosphorus compounds. A. M. Rozen, A. I. Mikhailichenko. *Zhur. neorg. khim.* 12 no. 3:741-750 Mi '67.

O-pentachlorophenyl dichlorothiophosphate and its amide derivatives. D. Kh. Ibrimukhamerova, I. V. Chepuranova, I. V. AN SSSR, Ser. Khim. no. 3:602-606 Mr '67.

Synthesis and structure of 1-oxo-1-chlorophospholones. B. A. Arshinov and others. *Izv. AN SSSR Ser. khim.* no. 3 672-675 Mr '67.

ORGANOSILICON COMPOUNDS

Calorimetry of burning of organometallic compounds. S. N. Gadzhiev. *Dokl. AN Azerb. SSR* 22 no. 12 27-29 '66.

Conformation analysis of cyclic organosilicon compounds by means of proton magnetic resonance. K. A. Adrianov and others. *Dokl. AN SSSR* 173 no. 2 331-334 Mr '67.

- PACKINGHOUSES—EQUIPMENT AND SUPPLIES**
(see also subdivision under Tashkent)
Modernizing the type 157 continuous-action vacuum-stuffer. N. Genetsov, L. Kolubakina, O. Bol'shakov. *Mosk. ind. SSR* 38 no. 4-5-7 Ap '67.
- Units for heat treatment of sausages, suvcoy. A. Peleev, V. Gavrilova. *Mosk. ind. SSR* 38 no. 4-8-9 Ap '67.
- Use of circulatory ammonia cooling systems in the meat combines of the Ukr. S. D. Pinskiy, D. Gotman. *Mosk. ind. SSR* 38 no. 4-20-21 Ap '67.
- PACKINGHOUSES—MANAGEMENT** see subdivision under Sevastopol
- PACKINGHOUSES—WATER SUPPLY** see subdivision under Leningrad
- PAIN**
Effect of morphine on the bioelectric activity of the brain in chronic algesic stimulation. G. E. Danilov. *Fiziol. zhur* 30 no. 2:138-139 Mi-Ap '67.
- Gastric and intestinal absorption in pain stimulation. R. O. Fattal'berg, M. M. Stambol'skiy, N. A. Bocharova. *Fiziol. zhur* 49 no. 10:1240-1248 O '63.
- Genesis and development of induced tumors in white rats following prolonged nociceptive stimulation of the sciatic nerve. N. T. Kharchenko. *Vop. ekap. onk.* no. 2:49-52 '66.
- Increase in the sensitivity of afferent fibers to the stimulating effect of potassium ions caused by bradykinin. Chemoreception and substance inducing pain. R. P. Sonina, V. M. Khashtin. *Fiziol. zhur* 53 no. 3:201-208 Mr '67.
- New variation of the methodology of studying tactile and pain sensitivity in man. V. I. Safonov. *Fiziol. zhur* 53 no. 3:357-359 Mi '67.
- PAINT INDUSTRY—PRODUCTION STANDARDS**
Establishing norms for the servicing of technological equipment in paint material production. Z. B. Vetukhnovskiy, M. M. Ostromukhov, T. E. Sigal. *Lakokras. mat. i kh. prom.* no. 2:86-89 '67.
- PAINT INDUSTRY—SAFETY MEASURES**
(see also subdivision under Yaroslavl)
More attention to the paint and varnish industries. I. S. Klyuchnikov. *Bezop. truda i prom.* 10 no. 4:22-23 Ap '66.
- PAINT MATERIALS**
Answers to questions on the use of paint materials. I. P. Lebit, L. B. Shishunarcova. *Lakokras. mat. i kh. prom.* no. 2:84-88 '67.
- Infrared spectroscopic study of the interaction of surface-active agents with pigments and fillers. V. V. Uvayov, E. S. Priakhina. *Lakokras. mat. i kh. prom.* no. 2:14-18 '67.
- PAINT MATERIALS—CONTAINERS**
Problems in organizing the production of containers and the profits of enterprises of the paint materials industry. L. A. Batulin. *Lakokras. mat. i kh. prom.* no. 2:80-91 '67.
- PAINT SHOES—SAFETY MEASURES**
Dukhanin, Yu. A. Safety measures in paint and varnish shops. *Tekhnika bezopasnosti v tekhn. i kh. asosch. nykh pokrytiy.* Moskva, Mashinostroyeniye, 1966. 114 p.
- PAINTING**
The objective and subjective while working on a painting. G. Plotneva. *Izvestiya* 30 no. 3:8-13 '67.
- PAINTING, INDUSTRIAL**
Convective drying of paint coatings on base layers of various thickness. L. L. Pavlovskiy, N. A. Popkova, T. M. Satina. *Lakokras. mat. i kh. prom.* no. 2:45-47 '67.
- Developing methods for the drying of new chemically stable paint coatings. N. S. Loseva and others. *Lakokras. mat. i kh. prom.* no. 2:39-41 '67.
- [For a painter; recommended reading list] Mallary; rekomendatsionnyy ukazatel' literatury. Moskva, Kniga, 1966. (V pomoshch' rabochim stroitel'noy promyshlennosti, no. 1)
- Unit for nonpneumatic paint spraying. M. M. Klovov. *Mashinostroyeniye* no. 4:35 Ap '67.
- PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES**
(see also subdivision under Kharkov)
Developing the design and operation of machines for the polishing of painted surfaces. O. A. Munchenok, N. I. Kovshov. *Lakokras. mat. i kh. prom.* no. 2:70-73 '67.
- Pushing conveyors of a high lifting capacity for painting lines. A. G. Goferman, M. Z. Krivitskiy. *Lakokras. mat. i kh. prom.* no. 2:68-70 '67.
- PAINTING, INDUSTRIAL—FIRES AND FIRE PREVENTION**
Fire danger during the application of paint coatings. A. G. Anokhin, L. G. Ponomarev. *Lakokras. mat. i kh. prom.* no. 2:78-81 '67.
- PAINTINGS**
[Remarkable paintings; a reader on the history of Russian painting from the 18th to the beginning of the 20th century] Zamechatel'nye polotna; kniga dlya chitaniya po istorii russkoy zhivopisi XVIII-nachala XX vekov. Leningrad, Khudozhnik RSFSR, 1966. 378 p. (ICU)
- PAINTINGS—EXHIBITIONS**
The Seventh Young Artists' Exhibition in Moscow. L. Akinova. *Izvestiya* 30 no. 3:32-36 '67.
- PAINTINGS, POLISH**
Cecelav Rzepinski's paintings. L. Urazova. *Izvestiya* 30 no. 3:57-59 '67.
- PALEOBOTANY, STRATIGRAPHIC**
(see also subdivision under Azerbaijan)
Usability of fossil species of columnar stromatolites for interregional correlation of Riphean sediments. M. A. Semikhatov, V. A. Komar. *Dokl. AN SSSR* 165 no. 6:1393-1396 D '65.
- PALEOGEOGRAPHY** see subdivision under Alazani Valley; Iori Valley; Soviet Central Asia
- PALEOGEOGRAPHY—CONGRESSES**
Vsesoyuznoye paleogeologicheskoye obshchestvo. [Problems of paleogeographical regionalization in the light of paleontological data, transactions of the 9th session] Voprosy paleogeograficheskogo regionalizatsii v svete dannykh paleontologii; trudy IX sessii. Moskva, Nedra, 1967. 225 p.
- PALEOMAGNETISM**
(see also subdivision under Apsheron Peninsula region)
Dynamic remanent magnetization and the effect of strokes on the remanent magnetization of highly magnetic rocks. V. A. Shupiro, N. A. Ivanov. *Dokl. AN SSSR* 173 no. 5:1065-1067 Ap '67.
- Khranov, A. N., and A. N. Sholpo. [Paleomagnetism, principles, methods, and geological application of paleomagnetology] Paleomagnetizm, printsipy, metody i geologicheskoe prilozheniye paleomagnetologii. Leningrad, Nedra, 1967. 251 p. (Leningrad. Vsesoyuznyi nefte- i nauchno-issledovatel'skiy geologorazvedochniy institut. Trudy, no. 286)
- PALEOMAGNETISM—MEASUREMENT**
Use of a modernized M-11 magnetometer in measuring remanent magnetism. B. A. Moslenko. *Geofiz. zap.* no. 3:176-180 '67.
- PALEONTOLOGY, STRATIGRAPHIC** see subdivision under Atlantic Ocean; Azov Sea region; Belozersk region (Zaporozh'ye Province); Carpathian Mountain region; Caucasus; Dniester-Donets Lowland, Northwestern Sea; Siberia; Soviet Central Asia; Ural Mountain region
- PALESTINE—HISTORY**
Characteristics of bondage services to Palestinian kings in the first half of the first millennium B. C. according to Biblical tradition. I. Sh. Shufman. *Vest. drev. ist.* no. 1:38-47 Ja-Mr '67.
- PALLADIUM**
Chlorination of palladium and behavior of its chloride on heating. I. A. I. Ivashentsev, R. I. Timonen. *Zhur. neorg. khim.* 12 no. 3:502-505 Mi '67.
- Extraction-photometric determination of palladium with the help of N-methylaniline-*o*-azo-*o*-naphthol. T. B. Anisimova, V. S. Podgornova, I. P. Shestova. *Nauch. trudy TashGU* no. 286 Khim. nauki no. 10:98-105 '66.
- PALLADIUM—ANALYSIS**
Determination of small amounts of palladium by means of catalytic titration. T. I. Fedorova, K. B. Iatsimskiy. *Zhur. anal. khim.* 22 no. 2:283-285 F '67.
- PALLADIUM—OPTICAL PROPERTIES**
Optical properties and Fermi surface of palladium. G. A. Bolotin and others. *Fiz. met. i metalloved.* 23 no. 3:463-471 Mr '67.
- PALLADIUM—SPECTRA**
Fine structure of the $L_{\beta 2}$ -emission band in palladium. S. A. Nemmonov, M. F. Sorokina. *Fiz. met. i metalloved.* 23 no. 4:732-734 Ap '67.
- PALLADIUM COMPOUNDS**
Hydrolysis of complex palladium halides. V. I. Kazakova, B. V. Pilsyn. *Zhur. neorg. khim.* 12 no. 3:620-625 Mr '67.
- PALLADIUM ELECTRODES** see Electrodes, Palladium
- PALLADIUM SALTS**
Mechanism of ethylene oxidation by palladium salts in acetic acid. I. I. Molisev and others. *Dokl. AN SSSR* 173 no. 4:363-366 Ap '67.
- PALMITIC ACID**
Macrocyclic compounds. Part 8. Synthesis of octadecyl (stearic) and hexadecyl (palmitic) acids. A. A. Kraevskiy and others. *Zhur. org. khim.* 3 no. 3:441-444 Mi '67.
- PALYGORSKITE**
Hydrothermal treatment of mineralized oil-emulsion dispersions of palygorskite. F. D. Ovcharenko and others. *Dop. AN URSR*, Ser. B 29 no. 4:352-354 Ap '67.
- Stabilization of weighted petroleum-emulsion palygorskite suspension by hypan under conditions of salt corrosion and high temperatures. E. G. Agaballian, F. D. Ovcharenko. *Ukr. khim. zhur.* 33 no. 3:336-337 '67.
- PALYNOLOGY**
(see also subdivision under Karakul' Lake region; Shapovo Oil Field)
History and stratigraphy of ferns of genus *Gleichenia* in the portion of Yenisey Valley of West Siberian Flair. A. A. Popov, L. I. Aukhadzeva. *Uch. zap. Kazan. univ.* 102:123 '65.
- More on the origin of the Siberian pine in the north-east part of the U. S. R. V. I. Vasil'ev. *Izv. Vses. nauch. ob-va* 99 no. 2:155-156 Mi-Ap '67.
- Sladkov, A. N. [Introduction to spore and pollen analysis] Vvedenie v sporovo-pyl'tsevoi analiz. Moskva, Nauka, 1967. 287 p.
- Upper Turonian substage of northwestern Kyrgyzstan. R. I. Nadyshin, E. M. Shvetsova. *Nauch. trudy TashGU* no. 273:128-130 '66.
- PAMIRS**
Rom, M. D. [I am a fan of Spartak, sport travel, mountain climbing] IA boletu za Spartak, sport, cheshestviya, voshchizheniya. Alma-Ata, Zhazghy, 1973. 324 p.
- PAMIRS—GLACIERS**
On the graphic determination of the thickness of the ice of mountain valley glaciers and on the cooling effect of their bottom parts. I. G. Dorofeev. *Izv. Vses. nauch. ob-va* 99 no. 2:144-146 Mr-Ap '67.
- PAMIRS—QUARTZ**
Pressure accompanying formation of rock crystals. Pamirs. S. A. Morozov. *Dokl. AN SSSR* 173 no. 4:897 Ap '67.
- PANCREAS**
Study of the synthesis of proteins and RNA by metabolic division of acinose cells of the pancreas. V. V. Pavlov. *Biol. eksp. biol. i med.* 63 no. 5:90-93 My '67.
- PANCREAS—DISEASES**
Functional disorders of the liver, stomach, and pancreas in cholecystitis in children. A. T. Dobryagina, M. Z. Shchelinskaya. *Sov. med.* 27 no. 8:14-17 Ag '63.
- PANCREAS—SECRETIONS**
Data on the physiology of the human pancreas. I. P. Anikov. *Fiziol. zhur* 49 no. 10:1231-1239 O '63.
- Endocrine function of the pancreas before and after radical operations on the stomach. N. N. Kuznetsov. *Sov. med.* 30 no. 3:108-110 Mi '67.
- PANCREAS—SURGERY**
Surgical treatment of chronic pancreatitis. B. A. Petukhov, F. Kh. Novruzov. *Khirurgiya* 43 no. 1:8-13 Ap '67.
- PANCREATIC FISTULA** see Fistula, Pancreatic
- PANCREATITIS**
Lesions of the stomach stimulating cancer in acute pancreatitis. G. L. Akkerman, G. N. Kholov. *Vop. onk.* 13 no. 3:99-100 '67.
- Surgical treatment of chronic pancreatitis. B. A. Petukhov, F. Kh. Novruzov. *Khirurgiya* 43 no. 4:8-13 Ap '67.
- PANELS (BUILDING)**
Panels for frame construction. M. Avakian, T. Mariam. *R. Sakisian. Prom. Arm.* 10 no. 2:10-13 '67.
- Technology of manufacturing panels with loop outlets for open joints in large-scale panel buildings. L. I. Likhachev. *Trudy GPI [Gruz.]* no. 2:181-187 '64.
- PANTHERS—JUVENILE LITERATURE**
Master of the lofty heights; a story about the snow panther. Maksim Zverev. *Sem'ia i shkola* 21 no. 10:52-54 O '66.
- PANTOGRAPH**
Multiscale pantographing in geology. G. D. Udov. *Nefte-gaz. geol. i geofiz.* no. 2:42-45 '67.
- PAPER—RESEARCH**
Central institute for paper research. P. Skvortukov. *Bum. prom.* no. 4:8-9 Ap '67.
- PAPER ELECTROPHORESIS**
Use of paper electrophoresis in the study of blood protein composition in cancer of the stomach. L. G. Mieskalev. *Sov. med.* 30 no. 3:140 Mi '67.
- PAPER INDUSTRY**
(see also subdivision under Kiev; Malin District; Troitsa, Kaluga Province)
Achievements of paper manufacturers in honor of the October Revolution. N. N. Chislakov. *Bum. prom.* no. 4:1-3 Ap '67.
- Develop the production of high-grade paper products. S. N. Gorodetskiy. *Bum. prom.* no. 4:25-27 Ap '67.
- Economic reform in the paper industry. S. B. Gurevich. *Bum. prom.* no. 2:1-2 F '67.
- Effect of individual factors on the properties of paper during the flow and drying of the stock. S. A. Shkarin. *Bum. prom.* no. 4:17-19 Ap '67.
- Paper-forming properties of acrylic fibers. S. I. Lerman, Z. L. Zosim. *Bum. prom.* no. 4:12-13 Ap '67.

PAPER INDUSTRY—EQUIPMENT AND SUPPLIES

Extend the service life of the quartz-concent rolls of pulp grinders. P. P. Dobrovolski. Bum.prom. no. 4, 10-11 Ap '67.

Mechanization of the loading of chips from the bin into the boiler. B. G. Sazonko. Bum.prom. no. 1, 23 Ap '67.

PAPER INDUSTRY—MANAGEMENT

Uchastkina, Z. V., ed. [Organization and planning of production at woodpulp and paper manufacturing enterprises] Organizatsia i planirovaniye proizvodstva na tselulozno-bumazhnykh predpriyatiyakh. Moskva, Leninskaya pronyshi, 1967. 356 p.

PAPER INDUSTRY—WATER SUPPLY

Determination of resin content in white water. L. R. Sidorenko, N. P. Mikhukova. Bum.prom. no. 2, 20 F '67.

PAPER SIZING see Sizing (Paper)

PAPERBOARD—TESTING

Effect of the moisture of elementary layers on the interlayer strength of paperboard. G. A. Tsvetkov, G. E. Kiklit. Bum.prom. no. 2, 6-9 F '67.

PAPERMAKING MACHINERY

Automatic control of the weight of 1 m² of sheet on the wet part of the machine. A. S. Shamsun, V. F. Dudik. Bum.prom. no. 2, 10-11 F '67.

First Soviet achievement in the manufacture of paper-making machinery. M. F. Shevchenko, K. A. Galitskaya. Bum.prom. no. 1, 4-6 Ap '67.

Press section of the papermaking machine of a new design. N. G. Nikolski. Bum.prom. no. 1, 14-15 Ap '67.

PAPERMAKING MACHINERY—ELECTRIC DRIVING

Electric driving of a paper making machine with double-feed engines. G. P. Pitsel. Bum.prom. no. 2, 22-23 F '67.

PARACHUTES

Tushkin, Kolesnikov's, the first model. V. Doronin. Tekhn. i voenn. 25 no. 1-10 Jan '67.

PARACHUTING

Before a jump. A. Burykh. Sov. voen. 19 no. 5, 8 Mi '67.

A jump and its evaluation. I. Lisov. Kriy. i od. 18 no. 4, 14-16 Ap '67.

People above the clouds. B. A. Matulyte. Mol. komm. no. 3, 32-36 '67.

Records of parachutists. Kriy. i od. 18 no. 3-2 Mi '67.

PARAFFIN WAX see subdivision under Nizhnyaya Oil Field

PARAFFINS

Accumulation of organic acids in the development of some microbacteria on N paraffin containing media. V. N. Shaposhnikov and others. Izv. AN SSSR, Ser. Biol. no. 3, 351-356 May-June '67.

Equilibrium in the system synthetic fatty acids - paraffin - dimethylformamide. A. P. Frolov, B. I. Freger, B. S. Strelchik. Khim. prom. 13 no. 2, 33-34 F '67.

Intensification of liquid-phase oxidation of paraffin to synthetic fatty acids. M. N. Manakov, N. N. Lebedev. Khim. prom. 43 no. 1, 12-15 Ap '67.

Oxidation of dimethyl- and trimethyl-substituted paraffinic hydrocarbons in the liquid phase in the presence of base acid. A. N. Bashkirev, K. S. Kvanetsky. Dokl. AN SSSR 173 no. 4, 820-831 Ap '67.

Regularities in the production of dimethoxyides of gaseous paraffins. V. M. Kostuchenko, A. I. Gerasimovich. Zhur. org. khim. 3 no. 4, 623-635 Ap '67.

Use of nuclear magnetic resonance relaxometer for studying acid-diffusion in liquids. G. M. Panchenkov, N. N. Borisenkov, V. V. Tshchenkov. Zhur. fiz. khim. 41 no. 4, 916-918 Ap '67.

PARAFFINS—SPECTRA

Nuclear magnetic resonance of F19 and the comparison of regularities in variations of chemical shifts of nuclear magnetic resonance of F19 and nuclear quadrupole resonance C135 and H179 in halonitroalkanes. I. G. K. Semik and others. Teor. i ekspr. khim. 3 no. 2, 223-230 Mar-Apr '67.

PARAFFINS—THERMODYNAMICS

Thermodynamic properties of monofluoroalkanes. G. I. A. Kabo, D. N. Andreevskii. Khim. prom. 43 no. 5, 27-28 May '67.

PARAGANGLIA see Chromaffin system

PARAGENESIS

About the concept "Paragenetic mineral association." N. V. Petrovskaya. Geol. iud. mestorozh. 8 no. 2, 69-78 '67.

Widespread paragenesis of ore minerals occurring during sedimentation of ore on new and insufficiently described minerals. P. Hamdov. Geol. iud. mestorozh. 9 no. 2, 32-33 '67.

PARALYSIS

Compression osteosynthesis in arthrodesis of the shoulder joint in inert paralysis of the musculus deltoideus. A. K. Pechukin. Ortop. i travm. i protz. 26 no. 4, 56-57 Ap '67.

PARALYSIS, FACIAL

Case of paresis of the facial nerve following anesthesia for tonsillectomy. V. T. Agayev. Azerb. med. zhur. 41 no. 1, 86 Ap '67.

Late results of radical ear surgery in the case of atogenous paresis of the facial nerve. A. D. Matveev. Zhur. ush., nos. i gorl. i ol. 20 no. 2, 66-68 Mi - Ap '60.

PARAMAGNETIC RESONANCE AND RELAXATION see Electron paramagnetic resonance

PARAMAGNETISM

Paramagnetic properties of molecular complexes of polyphenylacetylene. V. V. Pechkovskii. Teor. i ekspr. khim. 3 no. 1, 106-111 Jan-F '67.

PARAMETRIC AMPLIFIERS

Study of a cooled parametric diode amplifier. V. N. Vorkhoturov, I. T. Frolova. Radiotekhnika i elektronika. 12 no. 4, 650-654 Ap '67.

PARASITES—ANERIFORMES see subdivision under Kazakhstan

PARASITES—CARP see subdivision under Alma-Ata

PARASITES—CATTLE see subdivision under Kazakhstan

PARASITES—DOGS

Technique of the vermifugal treatment of dogs. K. M. Eliseev, Kh. D. Kacheganzov. Vest. sel'skhoz. nauki [Kazakhst.], 9 no. 12, 105-108 D '66.

PARASITES—DOMESTIC ANIMALS

Scientific-industrial conference on the improvement of methods for controlling the parasites of farm animals. I. M. Mairdakov, A. F. Babkova. Vest. AN BSSR, Ser. sel'skhoz. nav. no. 1, 136-137 '67.

PARASITES—FISHES see subdivision under Pacific Ocean; Turkmenistan; Uzbekistan

PARASITES—LADYBIRDS see subdivision under Leningrad Province

PARASITES—LEUCISCUS see subdivision under Donets River

PARASITES—MOLLUSKS

(see also subdivision under Kazakhstan)
Helminth larvae of terrestrial mollusks in southern Altai. V. I. Pante. Trudy Inst. zool. AN Kazakh. SSR 27, 5-21 '67.

PARASITES—POULTRY

Age-related immunity of chickens in Heterakis infestation. E. Kh. Daugalieva. Vest. sel'skhoz. nauki [Kazakhst.], 9 no. 12, 62-65 D '66.

PARASITES—SHEEP

(see also subdivision under Azerbaijan; Kazakhstan)
Vermifugal treatment of sheep with Chabertia infestation using phenothiazine, diphenyl, and naphthazone mixtures. A. U. Vorzyl, V. I. Kuznetsov. Vest. sel'skhoz. nauki [Kazakhst.], 9 no. 12, 78-81 D '66.

PARASITES—WATER BIRDS see subdivision under Kazakhstan

PARASITOLOGY—CONGRESSES

Fifth Ukrainian Conference of Parasitologists. L. P. Pohrebunsk. Dop. AN URSS, Ser. B 20 no. 3, 282-281 Mi '67.

PARASYMPATHOMIMETIC AGENTS

Cholinergic mechanism of the emotional reaction of fear. R. I. Uchchenko, A. G. Eliseeva. Zhur. vyzn. nerv. detal. 17 no. 2, 330-337 Mi - Ap '67.

Intensification of the effect of narcotics and soporifics by using cholinomimetics. R. A. Khaunina. Farm. i toks. 30 no. 2, 131-138 Mi - Ap '67.

Role of the cholinergic substrate of the hypothalamus in the regulation of the blood coagulation system. A. K. Chepurov, A. A. Morkosjan. Biol. i med. 63 no. 4, 30-35 Ap '67.

PARATHION—PHYSIOLOGICAL EFFECT

Histochemical study of the effect of thionophos on the functional activity of the adrenal cortex in rats. T. V. Vidik. Farm. i toks. 30 no. 2, 228-229 Mi - Ap '67.

PARATYPHOID FEVER

Typhoid fever and ascariasis. A. S. Bogdanova. Sov. med. 27 no. 8, 116-126 Ag '63.

PARAVANI, LAKE—CARP

Feeding habits of Paravani Lake carp in summer. G. G. Verulashvili. Trudy Nauch. ts. i. rybkhoz. sta. Gruz. 10, 89-94 '65.

PARENT AND CHILD

The beginning of a tragedy. L. Shishkina. Doshk. vosp. 40 no. 4, 39-41 '67.

Teaching each other. Anna Mihils. Sem'ia i shkola 22 no. 3, 10 Mr '67.

It is bitter without that... M. Arestova. Sem'ia i shkola 22 no. 3, 46 Mi '67.

On vacation with father. Rima Kovalenko. Sem'ia i shkola 22 no. 3, 18-20 Mi '67.

"Please, do not blame Luda!" M. Tsentsiper. Sem'ia i shkola 21 no. 10, 8-11 O '66.

When the mother makes a mistake... A. Azovskii. Sem'ia i shkola 21 no. 10, 36 O '66.

PARENTS' AND TEACHERS' ASSOCIATIONS

The duties of the parents' committee. D. Perfilovskaya. Sem'ia i shkola 21 no. 10, 26 O '66.

In comparison with the past. K. Galanova. Sem'ia i shkola 22 no. 3, 17 Mi '67.

We think this way... Sem'ia i shkola 22 no. 3, 34-35 Mi '67.

PARIS (BOTANY)

Some data on the effect of Paris quadrifolia on cardiovascular system. A. M. Markushov. Trudy Odesk. gos. univ. 1966, 3, 245-248 '64.

PAROLE

Orel, L. E., ed. [Pre-term discharge according to Soviet criminal law, abstracts of lectures] Uslovnno-dosrochnoe osvobodzheniye i isleniya svobody po sovet'skomu ugolovnomu pravu, konpekt lektsii. Kiev, 1966. 42 p. (C81-11)

PARSLEY

Comparative characteristics of furcoumarin composition of different parsnip varieties and "berokan" production. N. P. Makshutina, D. G. Koltukov. Trudy Bot. inst. Ser. 5 no. 12, 76-79 '65.

PARTHENOGENESIS (PLANTS)—CONGRESSES

Conference on problems of apomixis in plants. V. S. Tyumov. Genetika no. 3, 168-190 Mi '67.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE BOARD

Diminishing the disparity in thickness of particle board as a most important task of industry. G. M. Shvachman. Del. prom. 16 no. 1, 1-4 Ap '67.

Use of waste chips in the manufacture of three-layer particle boards. I. U. M. Demidov, G. A. Popova. Del. prom. 16 no. 4, 1-6 Ap '67.

PARTICLE ACCELERATORS

Beginning of experience on VEPP-2 positron-electron storage device. V. L. Auslender and others. Atom. energ. 22 no. 3, 173-175 Mi '67.

Checking the luminous emission of units with opposing beams on the basis of scattering at small angles. V. L. Auslender and others. Atom. energ. 22 no. 3, 176-178 Mi '67.

Dependence of the lifetime and dimensions of a beam on the number of particles in the storage device. V. L. Auslender and others. Atom. energ. 22 no. 3, 202-206 Mi '67.

Development of powerful accelerators; the 60th birthday of Academician V. I. Veksel'. I. V. Chuvpilo. Fiz. i khim. 3, 80-87 Mi '67.

Development of nonlinear betatron oscillation resonances in storage devices. V. L. Auslender and others. Atom. energ. 22 no. 3, 179-188 Mi '67.

Electron-electron scattering at an energy of 2 MeV. G. I. Bulker and others. Atom. energ. 22 no. 3, 168-169 Mi '67.

Injection magnets of the electron-positron VEPP-2. T. A. Vaynshteyn, V. I. Vaynshteyn. Atom. energ. 22 no. 3, 188-191 Mi '67.

Interaction of coherent betatron oscillation systems. N. S. Dikanski and others. Atom. energ. 22 no. 3, 188-191 Mi '67.

Lifetime and dimensions of an electron in a storage device at a weak current and others. Atom. energ. 22 no. 3, 202-206 Mi '67.

Operation of a linear proton accelerator focusing at an energy of 25 MeV. V. I. Auslender and others. Atom. energ. 22 no. 3, 202-206 Mi '67.

Studying the self-excitation and acceleration of coherent transverse oscillations in a storage device. V. L. Auslender and others. Atom. energ. 22 no. 3, 188-200 Mi '67.

Theory of transverse coherent stable particle bunch. I. A. S. Derbenev, N. S. Dikanski. Atom. energ. 22 no. 3, 191-194 Mi '67.

Use of ion-exchange pumps for pump accelerators. I. A. Grishin and others. Atom. energ. 22 no. 3, 194-197 Mi '67.

PARTICLE SIZE DETERMINATION

Semiautomatic equipment for sedimentation of powders. I. V. Serdyukov, R. L. Gmel. 7 no. 3, 86-90 Ap '67.

PARTICLES—SOLUBILITY

Shape of solubility curve in binary nonelectrolytic solutions with different particle sizes. B. P. Durylev. Teori i ekspr. khim. 3 no. 2:259-263 Mr-Apr '67.

PARTICLES (NUCLEAR PHYSICS)

Kopylov, G. I. [Statistical background of resonant conditions] O statisticheskom fone rezonansnykh sostoyaniy [IEN] Dubna, 1962. 11 p. diagrs.

Possible formulations of the microcausality principle and some of its corollaries. I. M. Lomsadze, I. U. Krivakul. Dokl. AN SSSR 173 no. 2:312-315 Mi '67. Present status of work on opposing beams at the Nuclear Physics Institute of the Siberian Branch of the Academy of Sciences of the U.S.S.R. (Summary). G. I. Budker. Atom. energ. 22 no. 3:163-164 Mr '67.

Solution of equations for a regular beam at the emission from a curvilinear surface under unsteady conditions. V. A. Syrovat. PMTF no. 8:48-57 N-D '65.

PASHAEV, TAGI-GADZHI OGLY, 1910-1966

T. G. Pashaev, 1910-1966. Pat. fiziol. i eksp. terap. II no. 2:94-95 Mi-Apr '67.

PASSIVATION

Passivation of titanium anode in a molten $AlCl_3 - NaCl - KCl$ eutectic. A. M. Skundin, V. Sh. Patankin, V. S. Bagotskii. Elektr. khim. 3 no. 2:240-243 '67.

PATENT LAWS AND LEGISLATION

(see also subdivision under Syria)

Basic regulations on inventions in the legislation of socialist countries. M. M. Bogustavskii. Vop. izobr. no. 3:15-19 Mi '67.

Judicial practice in the examination of lawsuits concerning inventions and efficiency suggestions. V. Pantugin. Sois. zakon. no. 14:1-15 Ap '67.

Rights of the patentees and their defense in the U.S.S.R. I. U. Sviadets. Vop. izobr. no. 3:20-24 Mr '67.

Some problems of authorship in Soviet patent law. I. U. D. Sergeev. Vop. izobr. no. 2:16-18 F '67.

PATENT LICENSES

(see also subdivision under France)

Problems of patent licensing at the Academy of Sciences of the U.S.S.R. E. N. Efimov. Vop. izobr. no. 3:53-55 Mr '67.

PATENT PRACTICE

(see also subdivision under France, Germany, East)

Evaluation of the level of inventions in the U.S.S.R. practice. N. A. Chikhaev. Vop. izobr. no. 3:28-32 Mr '67.

Rules on the examination of inventions in the U.S.S.R. S. I. Komov. Vop. izobr. no. 3:25-28 Mi '67.

Some problems of patenting inventions in the Netherlands and other western countries. S. Davidson. Vop. izobr. no. 3:42-45 Mi '67.

Vasil'ev, V. D. [Analyzing foreign patents in designing] Analiz inostrannykh patentov pri konstruirovani. Leningrad, 1967. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Biblioteka patentoveda)

PATENT SEARCHING

Automation of the search of patent information in the branch patent funds. G. S. Fedenev. Vop. izobr. no. 3:48-52 Mr '67.

For inventors and innovators. E. Lobetskaya. Biblioteka 41 no. 4:18-21 Ap '67.

PATENT SUITS

Demarkation of different kinds of disputes. A. K. Iurchenko. Vop. izobr. no. 2:10-15 F '67.

PATENTS

(see also subdivision under Poland)

Central Scientific Research Institute of Patent Information and Technical and Economic Research during 1967. V. A. Obukhov. Vop. izobr. no. 3:6-10 Mr '67.

Cooperation of patent services of different fields. I. V. Borodin, A. A. Gal'bur. Vop. izobr. no. 2:30-32 F '67.

From the pages of foreign journals. Vop. izobr. no. 2:41-44 F '67.

[Inventions, industrial samples, trademarks] Izobr., prom. obraz., tov. znak. 44 nos. 10-11 '67.

Kutsentova, M. D. [Microfilmed patent funds; processing, storage, search (work practices)] Mikrofil'mirovannyi patentnyi fond; obrabotka, khraneniye, poisk (opyt raboty). Leningrad, 1967. 34 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Biblioteka patentoveda)

Patent services as an important aid to the inventor. E. I. Artem'ev. Vop. izobr. no. 2:6-9 F '67.

Processing and preservation of microphotocopies of patent documentation. R. D. Tumanovskii, G. A. Vagina. Vop. izobr. no. 2:26-28 F '67.

Results of processing microphotocopies of invention descriptions. V. A. Shelintzket'. Vop. izobr. no. 2:29 F '67.

Some problems in the verification of patents. Vop. izobr. no. 3:63-69 Mr '67.

PATENTS—CONGRESSES

International East-West Symposium. V. P. Shatrov. Vop. izobr. no. 3:11-14 Mr '67.

PATENTS—INFORMATION SERVICES

Organizational equipment and patent information. I. A. B. Zakasenberg, L. M. Sindilevich. Vop. izobr. no. 2:21-25 F '67.

PATHOGENIC BACTERIA see Bacteria, Pathogenic

PATHOGENIC PROTOZOA see Protozoa, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL HISTOLOGY see Histology, Pathological

PATHOLOGY

[Essays on human and animal physiology and pathology under conditions of high-mountain regions] Ocherki po fiziologii i patologii cheloveka i zhivotnykh v usloviyakh vysokogor'ia. [By] M. A. Aliev i dr. [Leningrad] Meditsina, 1967. 155 p.

PATHOLOGY, CELLULAR

Correlation of polyoma viruses with cells of tissue culture of mongrel mice. A. M. Shcherbinskaya. Vop. eksp. onk. no. 2:70-75 '66.

PATRIOTIC MUSIC—HISTORY AND CRITICISM

Alkberov, Z. M. [Music calling for great feats] Muzyka, zovushchaya na podvig. Baku, Azerbaidzhan'skoe gos. izd-vo, 1968. 77 p.

PATRIOTISM

Educating schoolchildren through the example of the heroic past of their countrymen. I. I. Rozhkov. Rad. shk. 45 no. 4:14-18 Ap '67.

In honor of the victory of the October Revolution. O. N. Sorotskaya. Nach. shkola 35 no. 4:17-19 Ap '67.

Military patriotic education of academy students. Sh. G. Tukhvatulin, D. N. Kuznetsov. Voen.-med. zhur. no. 3:65-69 Mr '67.

Weapons must shoot. A. Dikhtiar'. Mol. komm. no. 3:45-50 '67.

Your place on earth. V. Karbovskaya. Agitator 34 no. 8:42-45 Ap '67.

PAVEMENTS, CONCRETE—TESTING

State and durability of concrete pavements. G. I. A. Kifuchnikov. Vst. dok. 30 no. 3:26-27 Mr '67.

PAVLODAR PROVINCE—MINERALS IN SOILS

Mineralogical composition of soils in the Chernozem-Solonchak complex of the Pavlodar Province part of the Irtysh Valley. N. P. Paney, A. I. Boldyrev, E. I. Koku-rina. Izv. TSKHA no. 1:80-89 '66.

PAYLOVO-POSAD—WOOLEN AND WORSTED MANUFACTURE—ACCOUNTING

Organization of accounting in a worsted manufacturing combine. P. Lazhentsev. Bukhg. uch. 26 no. 4:45-47 Ap '67.

PAYMENT

Accounting for payments in construction without the intermediate payments. I. Pobedin. Bukhg. uch. no. 1:16-20 Ja '67.

PEACE see subdivision under Europe

PEACE DAY

An instructive television program. N. Sakontikov. Sov. radio i tel. 9 no. 3:4 '60.

Memorable radio pages. N. Mukhtasipov, N. Nikolaev. Sov. radio i tel. 9 no. 6:1-3 '60.

PEANUTS

Disinfecting peanuts seeds. K. I. A. Kalashnikov. Zashch. rast. 12 no. 4:58 '67.

Use of herbicides in peanut fields. V. N. Rudenko, Sbor. rab. po maslu i efirnomasi, kul't. no. 1:55-60 '66.

PEAS

Daily and seasonal dynamics of the chlorophyll and carotene content of pea leaves. N. G. Kolomiets. [Trudy] KHISKH 57:77-80 '68.

Distribution of DNA of pea sprouts (Pisum sativum) in density gradient of cesium chloride. T. G. Beridze, M. S. Odintsova. Dokl. AN SSSR 173 no. 5:1209-1211 Ap '67.

[New methods in the breeding of beans, peas, and vetch] Novoe v metodike selektsii kormovnykh bobov, gbrokha i viki. Moskva, Izd-vo s.-kh. lit-ry, zhurnalov i plakatyv 1963. 191 p.

(MIEM)

Use of triazines for chemical weed control in pea fields. I. Veselovskii. Zerk. i masl. kul't. 2 no. 5:30-31 '67.

PEAS—DISEASES AND PESTS see subdivision under Kostroma Province

PEAS—FERTILIZERS AND MANURES

Effect of fertilizers on the chemical composition and the uptake of nutrients by pea crops. Z. A. Kuznetsova. Agroklimia no. 4:45-49 Ap '67.

PEAS—GENETIC RESEARCH

Interspecific hybridization of peas. M. I. Petrik. Genetika no. 3:40-48 Mr '67.

PEAS—IRRIGATION see subdivision under Alma-Ata Province

PEAS, CANNED

Establishing norms for raw materials in the first series of canned green peas. E. V. Pechenko, I. V. Dushk. Kons. i ov. prom. 22 no. 4:23-25 Ap '67.

Lengthening the canning season of green peas. I. A. Polunin. Kons. i ov. prom. 22 no. 4:20-22 Ap '67.

PEASANT UPRISINGS

(see also subdivision under Germany)

[History of the U.S.S.R. from ancient times to our day in two series and twelve volumes] Istoriia SSSR s drevnykh vremen do nashikh dnei v dvukh seriakh v 12 tomakh. Glav. red. sovol: B. N. Ponomarev i dr. Moskva, Nauka.

[First series Vols. 1-6. From ancient times to the Great October Socialist Revolution] Pervaya seriia toma I-VI. S drevnykh vremen do velikoi Oktabr'skoi sotsialisticheskoi revoliutsii. Glav. red. B. A. Rybakov.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries] Prevrashcheniye Rossii v voimukhostrannuyu. Narodnye dvizheniia XVII-XVIII vv. Red. i leglia toma. L. G. Boskrovnyi i dr. 1967. 745 p.

PEAT BOGS (Continued)

- Determining the thawing rate of a peat bog being worked, V.F. Mikhin, I.U.V. Krasnov. *Trof.prom.* 41 no.2:27-29 '67.
- Estimating tree stands in aerophotogeodetic methods of prospecting for peat deposits A.K. Filatov. *Trudy Kal.trof.inst.* no.10:164-170 '59.
- Mechanization of working stump-containing deposits using excavator (machine-forming) peat winning methods I.G. Blokh, M.S. Buiukov, F.I.A. Kanov. *Trudy MTI* no.4:70-85 '56
- Specific resistance of peat bogs to harvesting with screw cutters, N.A. Kot. *Trof.prom.* 44 no.2:29-30 '67.
- Working deposits containing tree stumps by uninterrupted milling of peat together with woody material M.I. Sarmalov, G.I. Kuzhman. *Trudy MTI* no.4:39-69 '56

PEAT BOGS—CLASSIFICATION

- Regularities in chemical composition of lowland peat soils, K.N. Lebedev. *Trof.prom.* 44 no.2:34-37 '67.

PEAT BOGS—DRYING

- Degree of dryness of peat bogs, L.S. Evstafiev. *Trudy Kal.trof.inst.* no.10:87-89 '59

PEAT GASIFICATION—EQUIPMENT AND SUPPLIES

- Gas manufacture from lump and milled peats, V.D. Rebrov, M.V. Bulochnikov. *Trudy Kal.trof.inst.* no.10:5-22 '59.
- Technical and economic comparison of peat gasification methods A.L. Klinskii. *Trudy Kal.trof.inst.* no.10:23-34 '59.

PEAT INDUSTRY

- Mechanization of the harvesting of excavated peat at enterprises not supplied with electricity I.G. Blokh, D.P. Besemeinyi. *Trudy MTI* no.4:130-155 '56
- Turning over the pages of the seventeenth century history of peat industry; 1917-1927 (to be continued), S.G. Solopov. *Trof.prom.* 44 no.2:41-46 '67.

PEAT INDUSTRY—EQUIPMENT AND SUPPLIES

- Pneumatic separation of milled peat by gas flow, V.L. Likhodievskii. *Trof.prom.* 44 no.2:20-23 '67.
- Using ejector pumps for the proportioning of reagents in extinguishing spontaneous fires in milled peat piles, N.N. Gortachev. *Trudy Kal.trof.inst.* no.10:56-62 '59.

PEAT INDUSTRY—LABOR PRODUCTIVITY

- Be ready on time for this forthcoming peat season. *Trof.prom.* 44 no.2:1-3 '67.

PEAT INDUSTRY—MANAGEMENT

- (see also subdivision under Svetlogorsk, Kalinin Province)
- Basic technological indices of winning milled peat in Western Siberia, V.S. Varentsov. *Trudy Kal.trof.inst.* no.10:35-48 '59.
- Certain problems of technical and economic analysis in peat industry, V.A. Zuzin. *Trudy MTI* no.4:180-224 '56
- Enterprises are in need of technically substantiated standards for diesel locomotive fuel consumption, N.G. Levchuk, V.T. Lyaskovskii. *Trof.prom.* 44 no.2:33-34 '67.
- Technical and economic comparison of peat gasification methods, A.L. Klinskii. *Trudy Kal.trof.inst.* no.10:23-34 '59.

PEAT INDUSTRY—SAFETY MEASURES

- Fire extinguishers with 4K-6 centrifugal pumps and PLSL-2 wheel shafts, V.I. Chalkov. *Trof.prom.* 44 no.2:46 '67.

PEAT MACHINERY

- Be ready on time for this forthcoming peat season. *Trof.prom.* 44 no.2:1-3 '67.
- Continuous precompaction presses, V.I. Vasiliev, A.A. Sokolov, S.D. Maksimenko. *Trof.prom.* 44 no.2:14-10 '67.
- Dependence of wavy peat strip parameters on correlation between the speed of movement of spreading machines and the yield of strips, B.P. Nuzhetskii. *Trudy Kal.trof.inst.* no.10:70-78 '59.
- Influence of the nick milling of peat on moisture conditions of peat bogs, A.P. Gavrilchik. *Trof.prom.* 44 no.2:10-13 '67.
- Mechanization of sorting and preparing first samples of peat E.P. Semenskii and others. *Trudy MTI* no.4:156-189 '56
- Performance of pneumatic harvesting machines in 1966, V.A. Kulevich, B.K. Loshchenko. *Trof.prom.* 44 no.2:8-9 '67.
- Working deposits containing tree stumps by uninterrupted milling of peat together with woody material M.I. Sarmalov, G.I. Kuzhman. *Trudy MTI* no.4:39-69 '56.

PEAT MACHINERY—DESIGN AND CONSTRUCTION

- Equipment for lit-par-lit method of winning lumpy peat, E.P. Semenskii. *Trudy MTI* no.4:86-102 '56.
- Experience in using arched tubeless low-pressure tires, A.M. Panin. *Trof.prom.* 44 no.2:7-8 '67.

- Improved technology of hydraulic method of peat winning, and machines for processing, molding, and stacking up of peat in high drying piles M.A. Veller and others. *Trudy MTI* no.4:103-129 '56

- Mechanization of the harvesting of excavated peat at enterprises not supplied with electricity I.G. Blokh, D.P. Besemeinyi. *Trudy MTI* no.4:130-155 '56

- Mechanization of working stump-containing deposits using excavator (machine-forming) peat winning methods I.G. Blokh, M.S. Buiukov, E.A. Ivanov. *Trudy MTI* no.4:70-85 '56

- Method of mechanized building of drainage ditch crossings with small-diameter concrete pipes, V.A. Eryshov and others. *Trof.prom.* 44 no.2:4-6 '67.

- Performance of TUMKAR-J and LIUMKAR harvesters in industry, D.P. Besemeinyi. *Trudy Kal.trof.inst.* no.10:79-88 '59.

- Process of ditch cutting with moldboards of UPS plows, N.V. Sevelov. *Trof.prom.* 44 no.2:24-26 '67.

- Replacing regular milling fans by shaft mills on peat driers, P.T. Blakov and others. *Trof.prom.* 44 no.2:16-18 '67.

- Specific resistance of peat bogs to harvesting with screw cutters, N.A. Kot. *Trof.prom.* 44 no.2:29-30 '67.

PEAT SOILS

- (see also subdivision under Balakna region, Gorkiy Province; White Russia)

- Effect of fertilizers on the dynamics of the available forms of nutrients in peat bog soils, N.A. Volnolovich, V.P. Shvechenko. *Agrokhimia* no.4:82-85 Ap '67.

- Effectiveness of mineral fertilizers in turf-Podzolic and peat-bog soils, N.A. Kovalenko. *Khim v sel'skhoz.* 5 no.1:66-69 Ap '67.

- Enzyme activation of peat-bog soils, I.S. Luptovich, Z.A. Khapkina, N.L. Shkurynava. *Vostoik AN SSSR Ser. sethosp. nav.* no.1:23-28 '67.

- Hydrotechnical analysis of a symmetric single-grooved spillway on a peat bed, S.I.A. Adzerikho, Sbor nauch. rab. Belorus tekhn. inst. Ser. obshchestv. no.3:3-8 '66.

- Influence of the nick milling of peat on moisture conditions of peat bogs, A.P. Gavrilchik. *Trof.prom.* 44 no.2:10-13 '67.

- PEAT SOILS—COLD WEATHER CONDITIONS see subdivision under Siberia, Western

PEAT SOILS—HYDRAULIC FRACTURING

- Hydraulic and mechanical working of peat deposits with spreading watered peat mass in layers, V.A. Zikuzin, I.L. Kaplovets. *Trudy Kal.trof.inst.* no.10:63-69 '59.

PEAT SOILS—PERMEABILITY

- Investigating capillary properties of mineral and peat soils, P.V. Panferov. *Trudy Kal.trof.inst.* no.10:90-112 '59.

PEAT SOILS—TESTING

- Influence of the pressure on the value of specific shear stresses in plastic peat soils, A.A. Simonian. *Trudy Kal.trof.inst.* no.10:157-163 '59.

- Rheological properties of peat soils. Pt. 2. Results of quantitative determinations of structural and mechanical characteristics of peat soils with a reduced moisture content, N.I. Malina. *Trudy Kal.trof.inst.* no.10:127-140 '59.

PEAT TAR

- Additives to lubricants synthesized on a peat phenol basis, S.A. Dmitriev and others. *Trof.prom.* 44 no.2:37-40 '67.

PEBBLES

- Mechanism of orientation formation of pebbles in Alluvium, A.A. Lazarenko, E.V. Semenov. *Dokl. AN SSSR* 172 no.6:1401-1404 T '67.
- Pebble as a source of information O.A. Borsuk, I.U.G. Simonov. *Priroda* no.3:68-70 Mr '67

PECHORA BASIN—COAL MINES AND MINING

- The Vorkutugol' Combine is ready the 50th anniversary of the Soviet rule B.N. Ignatiev, S.S. Stolerman. *Ugol'* 42 no.4:9-11 Ap '67

PECHORA VALLEY—CLAY

- Varved clays of the Pechora River and Bol'shozemel'skaya Tundra, I.D. Danilov. *Izv. AN SSSR Ser. geog.* no.2:85-90 Mr-Apr '67.

PECHORA VALLEY—GEOLOGY

- New data on geology of middle Pechora Valley, V.A. Sorokin, S.N. Khamova. *Bull. MOIP, Old. geol.* 42 no.1:26-28 Ja-F '67.

PECHORA VALLEY—GEOLOGY, STRATIGRAPHIC

- Carboniferous sediments of Pechora-Baklyi region (western slope of Pechora portion of Urals) I.S. Muraviev. *Uch. zap. Kaz. un.* 124 no.48-68 '65.

- New data on age of Zelenetskoy and Nyumyl'skoy C1 formations and prospects for finding bauxites and other deposits in Timan-Pechora region V.F. Sennova, V.A. Kaluzhnyi. *Dokl. AN SSSR* 173 no.2:403-408 Mr '67.

PECTIN

- Study of pectin substances in cotton, E.P. Buzitskova, A.S. Sadykov. *Nauch. trudy TashGU* no.286 Khim. nauki no.16:42-44 '66.
- Transformation of pectins in ripening fig, I.G. Semochkina, E.V. Sapozhnikova. *Prikl. biokhim. i mikrobiol.* 3 no.2:140-146 Mr-Apr '67
- Vinification of pectin T.K. Gaponenkov, V.L. Laponko, T.M. Kalinina. *Vysokom. soed. Ser. B* 9 no.1:53-55 Ja '67

PEDIATRIC ANESTHESIA

- Experience with anesthesia in surgical treatment of congenital heart defects in young children V.A. Kovalev, F.F. Belotaitsev, M.A. Shumilov. *Vest. AMN SSSR* 22 no.1:84-94 '67

PEDIATRIC NEUROLOGY—CONGRESSES

- All-Russian Scientific Conference on Pediatric Psychoneurology, Leningrad, January 18-20, 1966 I.S. Teis, R.A. Khaitonov. *Zhurn. nev. i psikh.* 67 no.4:630-634 '67.

- PELGMATITES see subdivision under White Sea region

PELIPUS, LAKE—FISHERIES—RESEARCH

- [Hydrobiology and fishing industry of Lake Pskov-Pelipus] *Gidrobiologichesk. i rybnoe khoz. Pskovo-Chudskogo ozer.* Tallinn, Valgus, 1966. 334 p. (Gidrobiologichesk. issledovaniya, 4)

PELECYPODA see Lamellibranchiata

PELLETED FEED

- Effect of physical factors and chemical composition on the process of fish meal pelleting, A.V. Iushinov. *Khar. prom.* no.2:28-31 Mr-Apr '67.

PELTS see Hides and skins

PELVES

- Angiography of vessels of the small pelvis and its diagnostic possibilities, N.M. Shamsadinskaya. *Azerb. med. zhur.* 44 no.1:15-19 Ap '67.

PENDULUM

- A class of motions of a pendulum in a high-resistance medium, E.A. Barabashin, V.A. Tabueva. *Dif. urav.* 3 no.3:371-379 Mr '67.

PENICILLIN

- Isomerization of phenoxymethyl penicillin into phenoxymethylpenicillin acid I.N. Blitova, A.S. Khokhlov. *Antibiotiki* 12 no.4:275-278 Ap '67.

PENICILLIN—SIDE EFFECTS

- Case of anaphylactic shock following introduction of penicillin and novocaine A.G. Ostrovskii. *Antibiotiki* 12 no.1:338-339 Ap '67.

PENSIONS

- Correspondence with readers, *Agitator* 35 no.9:51 My '67.
- In line with the principle of socialist humanism, V. Barybin. *Okhr. truda i soc. strakh.* 10 no.5:8-10 My '67.

PENTACENE

- Alkyl derivatives of 5, 13-dihydropentacene, A.I. Nogadell, N.N. Shchirbladze, G.D. Bagratishvili. *Zhur. org. khim.* 3 no.4:736-740 Ap '67.

PENTENE

- Equilibrium of the reactions of cracking of 2-methyl-2-pentene, M.E. Basner and others. *Khimi. prom.* 43 no.5:25-27 My '67.

PENTNONE

- Reaction of diethylchlorophosphine with diethylacrylic acid and methyl oxynov and others. *Zhur. ob khim.* '67.

PENTY

- Form

PEPPERMINT

Selecting the optimal thickness of the feeding layer of a planter for mint rhizome. V.I. Taranenko. Trakt. i sel'hozmasb. no 12-23 Ap '67

PEPSIN

Determining the ionization constants of functional groups of active pepsin cent. N.G. Lutsenko, L.M. Gindman, V.N. Orlovich. Biokhimiia 32 no 2 223-227 Apr '67.

PEPSINOGEN

Intragastric pressure as a factor influencing redistribution of pepsinogen and chlorides excreted with gastric juice and urine. G.F. Korot'ko, A.M. Musseev. Bul'vop biol. med. no 5 17-22 May '67

Production of chromatographyally pure pepsinogen. N.P. Piatnitskii and others. Prikl. biokhimiia i mikrobiol. no 2 189-191 Apr '67.

PEPTIC ULCER

Late results of the treatment of perforating peptic ulcer. M.F. Bogatyrev. Voen.-med. zhur. no 1 80-81 Apr '67.

PEPTIDES

Amino acid and peptide derivatives of the indole series. Part 2. Synthesis and properties of 5-methoxytryptamine analogs. L.A. Shchukina, N.N. Suvorov, V.D. Nekhtadov. Zhur. ob khim. 37 no 3 578-582 May '67

Cleavage of dog hemoglobin molecule into polypeptide chains. V.D. Uspenskaya, M.V. Pleskova, A.I. Nedel'seva. Biokhimiia 32 no 2 347-353 Apr '67.

PERCEPTION

Problem of the adequacy of images. N.IU. Vergiles, V.P. Zinchenko. Vop. filos. 21 no 4 55-65 '67.

PERCOLATION

Singularities arising in solutions to the problem of nonsteady-state percolation. A.S. Kolashnikov. Zhur. vych. mat. i mat. fiz. 7 no 2 140-141 Apr '67

PERFUSION PUMP (HEART)

Static characteristics of the heart under conditions of automation. N.M. Amosov and others. I'vot. zhur. 53 no 3 305-314 May '67

PERICARDIUM—DISEASES

X-ray diagnosis of atypical eolicomic cysts of the pericardium. S.S. Manafov. Voen. i med. 12 no 2 56-63 Apr '67

PERICARDIUM—RADIOGRAPHY

X-ray diagnosis of atypical eolicomic cysts of the pericardium. S.S. Manafov. Voen. i med. 12 no 2, 56-63 Apr '67.

PERIODATES

Use of venon difluoride for the synthesis of labeled periodates. I.S. Kisin and others. Zhur. neorg. khim. 12 no 4 1088-1089 Apr '67.

PERIODIC LAW

Effect of the additions on the crystal chemical stabilization of dicalcium silicate as dependent on the location of the addition cations in the periodic table. V.A. Bion, L.B. Khoshavina. Zhur. prikl. khim. 34 no 4 750-756 Apr '61.

PERIODIC SYSTEM

Importance of the place occupied by the metal in the D.I. Mendeleev periodic system in the selection of cathode material for the electroreduction of organic compounds. A.T. Petrenko. Elektrokhimiia 3 no 2 252-255 '67.

PERIOSTEUM

Intraosseous lymphatic bed of the periosteum of bones of the upper extremity. M.D. Gatsanov. Akh. anat., gist. i emb. 52 no 1 70-77 Apr '67

PERIPHERAL CIRCULATION

State of the peripheral blood and bone marrow in patients with diffuse toxic goiter following treatment with ¹³¹I. I.U. L. Dozoretz and others. Med. rad. 12 no 4 41-44 Apr '67

PERITONITIS

Etiology of the peritonitis of ducks in Alma-Ata Province. S.A. Lalin. Vest. sel'kho. nauk. [Kazakh.] 0 no 12, 65-71 D '66.

PERLITE

Porcelain-faceted wares from perlite-containing materials. I.G. Khizantsev, G.G. Gapiudashvili. Soob. AN Gruz. SSR 45 no 2 397-402 F '67.

PERM—CITY PLANNING

Construction of Zakamsk. A. Bekker, D. Grishin, I.U. Sdobnov. Na stroit. Ros. 5 no 1 21 Ja '64.

PERM—HOURS OF LABOR

Changes in production and in everyday life. V. Frolenko. Agitator 35 no 9 14-35 May '67

PERM—PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Combined work in all operations. D. Kiyachenko. Na stroit. Ros. 5 no 1 14 Ja '64.

PERM—RELIGION

Against the religious dope. E. Klimov. Sov. profsoliuz. 23 no 1 32-33 F '67.

PERM—TELEVISION BROADCASTING OF NEWS

Television newspaper. A. Galanov. Sov. radio i tel. 9 no 1 27-28 '60.

Until we meet again. R. Malysheva. Sov. radio i tel. 9 no 3 30-31 '60.

PERM—TELEVISION IN PROPAGANDA

Questions by telephone. A. Vaiman. Sov. radio i tel. 9 no 6 21 '60

PERM—THEATER

At the theater. T. Khodanova. Teatr 26 no 4 45-47 Apr '67

PERM PROVINCE—FARM MANAGEMENT

Radoslev, G.I. [Land loves order] Zemlia poladok Il'm. [Perm] Permskoe knizhnoe izd-vo, 1968. 43 p. (DNAL)

PERM PROVINCE—FIELD CROPS

Sowing dates for spring crops in the cis-Ural region. V. Prokoshov, S. Rusinov, N. Korolkov. Zemel'del. 29 no 4 37-39 Apr '67

PERM PROVINCE—PETROLEUM GEOLOGY

Characteristics of oil pools in multilayered fields of Tatar and Perm-Bashkir Archels. M.D. Belonin, K.P. Kanova. Neftegaz. geol. i geofiz. no 3 6-11 '67.

Methodology of calculating prospective (Sp) oil reserves in structures prepared for deep drilling in areas of Perm Province. I.M. Mel'nik. Neftegaz. geol. i geofiz. no 3 19-51 '67.

PERM PROVINCE—RADIOBROADCASTING

Using workers' forces. K. Kuznetsov. Sov. radio i tel. 9 no 3 2 '60

PERM PROVINCE—RECREATION CENTERS

Two cities are competing. P. Korchevnikov. Sem'ia i shkola 21 no 10 35 O '66.

PERM PROVINCE—TELEVISION

Using workers' forces. K. Kuznetsov. Sov. radio i tel. 9 no 5 2 '60

PERM PROVINCE—TURPENTINING

Turpentinizing of spruces in the western Urals. N. Z. Voinolukhin. Gidroliz i lesookh. prom. 20 no 3 29-30 '67.

PERMAFROST see Frozen ground

PERMALLOYS

Stability of permanent magnets from INDK2-IB and INDK3ST5 alloys at high temperatures. I.I. Bul'gana, K.T. Makarov, V.V. Segeev. Elektrotehnika 38 no 4 10-12 Apr '67.

PERMEABILITY

Initial permeability in forites-garnets containing vanadium ions. S.A. Pol'nikov, O.B. Pashkova. Izv. Vses. nauch. iissled. 9 no 3 942-943 May '67.

PERMITTIVITY see Dielectric constant

PEROSPORALES see subdivision under Azerbaijan

PEROVSKITE CRYSTALS—ELECTRIC PROPERTIES

Calculating the internal electric fields in a perovskite crystal (CaTiO₃). S.P. Solov'ev and others. Kristallo-grafika 6 no 1 18-25 Jan '61

PEROXIDES

Effect of the structure of acyl peroxides on the formation of radicals and the kinetics of polymerization initiated by them. V.I. Galibov and others. Uch. fiz. zhur. 33 no 2 101-106 '67.

Polymer peroxides as initiators of radical polymerization. N.S. Svetkov, I.S. Belitskaya. Ukr. khim. zhur. 33 no 4 180-183 '67.

PERRHENATES

Extraction of perrhenate compounds with antipyrene dyes. A.I. Busev, M.B. Ogayeva, M.E. Dzintars. Zhur. anal. khim. 22 no 2 203-211 F '67

PERSIA see Iran

PERSONALITY

The building of communism and the spiritual development of the individual. N.K. Kysil'ova. Pyt. nauk. kom. no 1 177-186 '66.

Educating an intellectually active personality (to be continued). M. Makhmutov. Nar. obs. no 4 10-16 Apr '67.

How to develop personality. L. Bozhovich, V. Chudnovskii. Mol. komm. no 4 82-88 '67

Means of developing an individual style of activity during the educational process. V.S. Morfin, T.A. Klimov. Sov. pedagog. 31 no 4 110-118 Apr '67.

PERSPECTIVE

Drawing perspectives by the auxiliary projection method. A.P. Derzhak. Uch. zap. Kab. -Bnlk. gos. un. no 13 25-30 '61.

PERTURBATION (MATHEMATICS)

Accumulation of perturbations in linear systems. I.I. Kichevskii. Teor. funkts. i funkts. anal. i ikh. prilozh. no 3 99-109 '66.

Completion of amplitudes in the theory of perturbation in amplitude space. D.IA. Petrina. Dokl. AN SSSR 119 no 2 295-297 May '67

PERU—COMMUNIST PARTY

The influence of the Peruvian Communists is growing. B. Ilmenes. Agitator 34 no 8 57-59 Apr '67.

PETROCHEMICAL INDUSTRY

Some data on the effectiveness of enlarging and constructing petrochemical industries. E.S. Dokuchaev, khim. i tekhn. topl. i masel. 12 no 1 23-27 Apr '67.

PETROCHEMICAL INDUSTRY—SAFETY MEASURES

Development of the petrochemical refining and petrochemical industries. G.P. Ivanovskii. Bezop. truda i pran. 1 no 5 4-7 May '67

PETROCHEMICAL PLANTS—DESIGN AND CONSTRUCTION see subdivision under Salavat (Bashkiria)

PETROCHEMICALS

(see also subdivision under Salavat, Bashkiria) Changing the structure of the production of synthetic products from petroleum-gas crudes. Z.S. Kalashnikov, G.F. Boissovich. Khim. prom. 43 no 5 32-35 May '67.

Studying the antibacterial properties of some petrochemical products. B. Tolyshev, B.A. Matvienko. Vest. sel'khoz. nauk. [Kazakh.] 10 no 3 66-70 May '67

PETROLEUM see subdivision under Oman

PETROLEUM—ANALYSIS

(see also subdivision under Georgia, Gndin Oil Field; Novogrigoriyev Oil Field, Phikuli Oil Field)

Significance of thermodynamic conditions in determining the gas content of formation petroleum. I.U. V. Kapr. G.F. Tikhin, I.U. L. Filias. Nefteprom. dolo. no 1 11-13 '67.

Study of the group chemical composition of some petroleum. No. 21, 23, 44 oil well drilling rigs. M. Khundadze, Sh. Shalashidze. Tudy Tbil. GU 74 337-344 '67

PETROLEUM—OPTICAL PROPERTIES

Using photoelectric colorimetry for investigating petroleum. G.F. Tikhin, I.M. Ahergauz, I.U. V. Kapr. Nauch. i tekhn. obs. pod. nefti. no 30 71-74 '66

PETROLEUM—STORAGE

All-Union Scientific and Technical Conference on Use of Mathematical Methods and Computers in Operation of Pipelines and Tank Farms. A.N. Khlebnikov. Nef. i gaz. prom. no 2 52-53 May '67

Problems of training and raising qualifications of specialists in petroleum supply industry. V.A. Latyshev, V.B. Savitskii. Transp. i khim. nefti i nefteprod. no 3 28-30 '67.

Some problems of development and introduction of automated systems in petroleum supply industry. V.B. Savitskii. Organ. i upr. nefteob. prom. no 2 32, 3 of cover '66.

Work experience of the Central Norm Research Institute of the Main Administration for the Supply with Petroleum Products of the National Economy of the R.S.F.S.R. E.V. Arisov, A.I. Gupman. Organ. i upr. nefteob. prom. no 5 22-24 '66

PETROLEUM—TRANSPORTATION

Instruction flow sheets as an important means for improving production and management in petroleum transportation. V.A. Khorooshilov, R.K. Val'shin, E.S. Salimzhanov. Organ. i upr. nefteob. prom. no 4 38-41 '65.

Marine transportation of petroleum. D. Nikolaev. Vrest. toig. 47 no 3 49-51 '67.

Problems of training and raising qualifications of specialists in petroleum supply industry. V.A. Latyshev, V.B. Savitskii. Transp. i khim. nefti i nefteprod. no 3 28-30 '67.

Some problems of development and introduction of automated systems in petroleum supply industry. V.B. Savitskii. Organ. i upr. nefteob. prom. no 2 32, 3 of cover '66.

Work experience of the Central Norm Research Institute of the Main Administration for the Supply with Petroleum Products of the National Economy of the R.S.F.S.R. E.V. Arisov, A.I. Gupman. Organ. i upr. nefteob. prom. no 5 22-24 '66.

PETROLEUM, HEATING OF

Using telescopic petroleum pipelines for pumping viscous petroleum. A.I. Kazubov. Transp. i khim. nefti i nefteprod. no 3 3-5 '67.

PETROLEUM GEOLOGY

(see also subdivision under Anastasiyevka-Trofimovskaya Oil Field; Aral Sea region, Astrakhan Province; Bashkiria, Carpathian Mountain region; Caspian Lowland; Dnieper-Donets Lowland; Europe, Western; Kalmyk A.S.S.R.; Komi A.S.S.R.; L'vov region; Mangyshlak Peninsula; Nenets National Area; Perm Province; Sakhalin; Saratov Province; Soviet Central Asia, Tajik Depression; Tatar A.S.S.R.; Turkmenistan; Ukraine; Uzbekistan; Uzen' Oil Field, West Siberian Plain)

Effect of angle of incidence of pool on oil recovery in gravitation regime. Sh.M. Mamedov, I.S. Belov. Dokl. AN Azerb. SSR 22 no 11 39-42 '66.

PETROLEUM GEOLOGY (Continued)

- Efficient distribution of seismic profiles and increasing effectiveness of geologic prospecting work. M.S. Al'abadzhi and others. *Neftegaz.geol.i.geofiz.* no. 2: 25-28 '67.
- Principles of geologic interpretation of results of comprehensive geochemical studies. V.A. Stroganov and others. *Neftegaz.geol.i.geofiz.* no. 2:31-38 '67.
- Using organic solute as hydrochemical indicators of oil and gas occurrence in hydrochemical surveying. V.A. Filonov. *Neftegaz.geol.i.geofiz.* no. 2:38-42 '67.

PETROLEUM INDUSTRY

(see also subdivision under Azerbaijan, Chechen-Ingush A.S.S.R., Finland; Groznyy, Kazakhstan, White Russia)

- Member of underground, engineer, scientist: 50th birthday of A.P. Seidbrovskii. *Neftianik* 10 no. 2:24-25 F '65.
- More oil and gas to our country. N.K. Baibakov. *Neft.khoz.* 43 no. 10:2-5 O '65.
- Selfless aid. F. Politkin. *Neftianik* 10 no. 2:25-27 F '65.
- Soldiers' glory never fades. N. Erman. *Neftianik* 10 no. 2:4-6 F '65.
- Surveyors' work in petroleum production industry. V. Gol'dman. *Izv.vys.ucheb.zav., neft.i.gaz* 10 no. 2:115 '67.

PETROLEUM INDUSTRY—FINANCE

Payments on production funds of petroleum production industry. I.M. Bolde. *Izv.vys.ucheb.zav., neft.i.gaz* 10 no. 2:111-111 '67.

PETROLEUM INDUSTRY—INFORMATION SERVICES

Problems of organizing reference and information work in petroleum production industry. L.M. Dufkov, A.I. Kasatkina. *Organ.i upr.neftedob.prom.* no. 5:37-49 '66

PETROLEUM INDUSTRY—MANAGEMENT

Increasing effectiveness of geologic prospecting work by improving organization and planning of production process and scientific research. A.I. Tsaturov, E.A. Shcherik. *Organ.i upr.neftedob.prom.* no. 2:11-13 '66.

Instruction flow sheets as an important means for improving production and management in petroleum transportation. V.A. Khoroshilov, R.K. Vukshin, E.S. Salim-zhanov. *Organ.i upr.neftedob.prom.* no. 1:30-41 '66.

Our objectives in the field of scientific labor organization. A.M. Zhidakov. *Organ.i upr.neftedob.prom.* no. 6:3-5 '66.

PETROLEUM INDUSTRY—PRODUCTION STANDARDS

Work experience of the Central Norm Research Institute of the Main Administration for the Supply with Petroleum Products of the National Economy of the R.S.F.S.R. L.V. Ariztov, A.I. Gupstman. *Organ.i upr.neftedob.prom.* no. 5:22-24 '66.

PETROLEUM INDUSTRY—SAFETY MEASURES see subdivision under Uzbekistan

PETROLEUM INDUSTRY—TECHNOLOGICAL INNOVATIONS

For making petroleum workers' labor easier. Okhr. truda i zets.siraki. 10 no. 4:15-10 Ap '67.

PETROLEUM PIPELINES

- All-Union Scientific and Technical Conference on Using Mathematical Methods and Computers in Operation of Pipelines and Tank Farms. A.N. Kheibnikov. *Neft i gaz.prom.* no. 2:52-53 Mr-Apr '67.
- Blending of petroleum and petroleum products in storage tanks in consecutive pipelining. I.Kh. Khizgillov. *Razrab neft i gaz mest* no. 1:52-55 '65.
- Calculating the amount of petroleum and petroleum products transported in pipelines. A.V. Filizov, V.M. Kachalin. *Transp.i khran.neft i nefteprod.* no. 3:10-11 '67.
- The "Friendship" petroleum pipeline. IU. Danov. *Mol.komm.* no. 3:80-80 '67.
- Petroleum pumping automated pipeline pump unit designed for work in the open. E.M. Chernyshev. *Neft.gaz.prom.* no. 2:48-49 Mr-Apr '67.

PETROLEUM PIPELINES—COMMUNICATION SYSTEMS

Securing uninterrupted communication during thunderstorms. G.B. Krasner. *Transp.i khran.neft i nefteprod.* no. 3:11-13 '67.

PETROLEUM PIPELINES—CORROSION

Applying adhesive tapes for insulating petroleum pipelines. P.I. Chulin. *Transp.i khran.neft i nefteprod.* no. 3:33-34 '67.

PETROLEUM PIPELINES—DESIGN AND CONSTRUCTION see subdivision under Siberia, Western

PETROLEUM PIPELINES—FLUID DYNAMICS

Calculating unsteady motion of fluids in pipeline equipped with centrifugal pumps. L.V. Pollanskaya. *Neft.khoz.* 43 no. 10:66-70 O '65.

Hydraulic calculation of pipelines in nonisothermal flow of petroleum and petroleum products. K.D. Frolov. *Neft.khoz.* 45 no. 4:55-61 Ap '67.

Using telescopic petroleum pipelines for pumping viscous petroleum. A.I. Kazubov. *Transp.i khran.neft i nefteprod.* no. 3:3-5 '67.

PETROLEUM PIPELINES—MAINTENANCE AND REPAIR

- Machine for cleaning pipelines from rust and applying primer in overhauling. V.S. Shuevlev, N.V. Bystrov. *Transp.i khran.neft i nefteprod.* no. 3:31-32 '67.
- Revision of norms for expenditure of material resources for overhauling line portion of pipelines. V.P. Matinyov. *Transp.i khran.neft i nefteprod.* no. 3:13-17 '67.

PETROLEUM PIPELINES—SAFETY MEASURES

Increase the control of the condition of pipelines. D.D. Nikulin, N.A. Geichneva. *Bezop.truda v prom.* 10 no. 4:11-13 Ap '66.

PETROLEUM PRODUCTION

- (see also subdivision under Azerbaijan; Carpathian Mountain region; Kazakhstan Oil Field, Khayankoi Oil Field; Sarakhan Oil Field; Tuymazy Oil Field; Zhyza Oil Field)
- Determining minimum concentration of methane homologs in injected gas during oil displacement. M.Z. Korbaev. *Nauch.-tekhn.sbornik po nefti* no. 30:57-91 '66.
- Determining minimum pressure of blowing during local gas separation in oil pools. G.A. Khalilov. *Izv.vys.ucheb.zav., neft i gaz* 10 no. 2:59-62 '67.
- Determining optimum density of well-spacing pattern in developing oil fields. B.F. Savonov. *Neft.khoz.* 15 no. 1:31-35 Ap '67.

Errors in reading system in discrete measuring of production. V.A. Kucherniuk, IU.N. Savateev. *Neftprom.delo* no. 4:39-10 '67.

Experimental study of pressure changes in annular space during circulation of two-phase foams. V.A. Amilin, M.N. Anastashev. *Neftprom.delo* no. 4:10-10 '67.

Experimental study of the periodic working of an inclined bed allowing for the effect of gravity and gas pressure. S.A. Rudnik and others. *Dokl. AN Azerb. SSR* 22 no. 12:3-8 '66.

In the State Committee of the Petroleum Production Industry with the State Planning Commission of the U.S.S.R. D. Vinogradskii. *Neftianik* 10 no. 2:14-17 F '65.

Investigating effect of magnetic field on salt deposition in tubing in exploiting oil wells. D.M. Agaturov. *Neft.khoz.* 43 no. 10:51-57 O '65.

Possibility of using pipes with inside coating in mechanized method of petroleum production. O.M. Charyev. *Neftprom.delo* no. 4:20-23 '67.

Problem of connecting and regulating layer and flow lift when exploiting pool by solution gas drive. G.D. Savonov. *Razrab neft i gaz mest* no. 1:2-46 '65.

Prospects for using high-pressure gas in developing oil fields in Soviet Union. N.I. Savonov. *Nauch.-tekhn.sbornik po nefti* no. 30:66-71 '66.

Stresses occurring in casing when catchers become wedged. T.I. Uzunov. *Razrab neft i gaz mest* no. 1:47-51 '65.

Telemechanical device of control point for decentralized installations of oil field. A.I. Kagan, N.P. Klischenko. *Mash.i neft.obor.* no. 2:34-30 '67.

PETROLEUM PRODUCTION—ACCOUNTING see subdivision under Ukraine

PETROLEUM PRODUCTION—FINANCE

Planning and determining results of internal business accounting in oil field management as a topic for discussion. G.I. Khanin. *Neft.khoz.* 15 no. 4:1-7 Ap '67.

PETROLEUM PRODUCTION—JOB DESCRIPTIONS

Wage and classification manual for workers in petroleum production industry. V.I. Nenu-nov, IU.B. Simonov. *Organ.i upr.neftedob.prom.* no. 1:41-43 '66.

PETROLEUM PRODUCTION—LABOR PRODUCTIVITY (see also subdivision under Azerbaijan)

Significance of norm research work in raising labor productivity in petroleum production industry. A.V. Popov. *Organ.i upr.neftedob.prom.* no. 2:28-30 '66.

PETROLEUM PRODUCTION—MANAGEMENT

(see also subdivision under Azerbaijan; Bashkiria; Chechen-Ingush A.S.S.R.; Dagestan; Komi A.S.S.R., Krasnodar Territory; Kuybyshev Province; Sakhalin; Saratov Province; Tatar A.S.S.R.; Turkmenistan; Tyumen' Province; Ukraine; Uzbekistan)

Analysis of labor organization in crews working on well testing. A.S. Reshetov. *Organ.i upr.neftedob.prom.* no. 5:12-15 '66.

Determining numerical strength and skilled personnel of derrick-erecting crews. M.M. Naumovets and others. *Organ.i upr.neftedob.prom.* no. 5:24-28 '66.

Forms of production planning in building drilling rigs; derrick-erecting operations. S.F. Gorkin. *Organ.i upr.neftedob.prom.* no. 2:6-10 '66.

Introducing new methods of planning and economic stimulation of production into petroleum production industry. S.M. Levin, M.T. Losev, L.N. Mordvin. *Organ.i upr.neftedob.prom.* no. 1:12-17 '66.

Methodological recommendations for scientific labor organization in enterprises of petroleum production industry. S.N. Litrov, A.IA. Rep'ev, N.G. Cherenkov. *Organ.i upr.neftedob.prom.* no. 6:12-15 '66.

Objectives of improving production planning and management in petroleum production industry. V.D. Shashin. *Organ.i upr.neftedob.prom.* no. 1:3-7 '66.

Organizing comprehensive supply of materials and equipment and transportation services to drilling enterprises. S.F. Gorkin. *Organ.i upr.neftedob.prom.* no. 1:33-37 '66.

Problems of organizing production and work in petroleum production industry. M.T. Losev. *Organ.i upr.neftedob.prom.* no. 1:17-21 '66.

Problems of production planning and management in work of All-Union Research Institute of Organization, Management, and Economy of Petroleum and Gas Industries. S.N. Litrov. *Organ.i upr.neftedob.prom.* no. 1:6-12 '66.

Scientific labor organization and norm research work in petroleum production industry. P.A. Golikov. *Organ.i upr.neftedob.prom.* no. 1:21-24 '66.

Scientific labor organization in enterprises of petroleum production industry of U.S.S.R. V.I. Soplin. *Organ.i upr.neftedob.prom.* no. 6:5-12 '66.

Some problems of introducing central control into administrations of oil fields. I.A. Zabetdinov. *Organ.i upr.neftedob.prom.* no. 5:15-19 '66.

Some problems of organizing planning of oil production. S.S. Shurin, S.A. Panomarev. *Organ.i upr.neftedob.prom.* no. 5:7-9 '66.

Using method of dynamic programming for calculating optimum distribution of oil production between various installations. IU.P. Borisov and others. *Nauch.-tekhn.sbornik po nefti* no. 30:96-109 '66.

PETROLEUM PRODUCTION—PRODUCTION STANDARDS

(see also subdivision under Kuybyshev Province; Tatar A.S.S.R.)

Coordination of norm research work in system of Ministry of Petroleum Production Industry. A.IA. Rep'ev. *Organ.i upr.neftedob.prom.* no. 1:24-26 '66.

PETROLEUM PRODUCTS see subdivision under Samgora region (Georgia)

PETROLEUM PRODUCTS—OPTICAL PROPERTIES

Nature of optic activities of petroleum substances. A. Dzhe Sammar-Zade, I.S. Sammar-Zade. *Azerb.neft.khoz.* 16 no. 3:36-38 Mi '67.

PETROLEUM PRODUCTS—STORAGE

Blending of petroleum and petroleum product in storage tanks in consecutive pipelining. I.Kh. Khizgillov. *Razrab neft i gaz mest* no. 1:52-55 '65.

Intensifying solution processes by vibration created by electric discharge in water. N.K. Sidorova. *Neft i gaz.prom.* no. 2:50-52 Mi-Apr '67.

Using mathematical methods for developing tank farm management. V.B. Savitskii. *Neft.khoz.* 13 no. 10:61-65 O '65.

PETROLEUM REFINERIES see subdivision under Krasnodarsk (Perm Province)

PETROLEUM REFINERIES—ACCOUNTING

Analysis of carrying out the profit plan. V. Uglov. *Bukhgr.uchet.* no. 1:20-25 Ja '67.

PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION see subdivision under Perm

PETROLEUM REFINERIES—MANAGEMENT see subdivision under Saratov

PETROLEUM REFINERIES—SAFETY MEASURES

Development of the petroleum refining and petrochemical industries. G.F. Ivanovskii. *Bezop.truda v prom.* 11 no. 5:4-7 My '67.

PETROLEUM REFINING

(see also subdivision under Ukraine)

Economic effectiveness of incremental production of oil fields by mining methods. K.G. Boitenko, S.F. Zadorov, V.N. Mishakov. *Neft.khoz.* 43 no. 10:49-53 O '65.

Method of calculating the optimum adjustment parameters in a cascade-connected system of control for petroleum refining pipe stills. A.G. Abilov. *Za tekhn.prom.* 7 no. 3:7-10 Mr '67.

Some problems connected with increased water encroachment of oil to be recovered. A.G. Zaripov, I.I. Vovchenko, A.S. Korachenko. *Neft.khoz.* 45 no. 1:39-41 Ap '67.

Study of optimally criterion of a rectification column in debenzotolizing. D.V. Karachenets, V.V. Kolesnyk, M.S. Shabaev. *Aviometryka* 12 no. 2:20-25 Mr-Apr '67.

PETROLEUM WORKERS see subdivision under Azerbaijan

PETROLEUM WORKERS—DISEASES AND HYGIENE

So-called hypotensive effect of petroleum hydrocarbons. D.M. Abdulaev. *Azorb.med.zhur.* 44 no. 4:91-93 Ap '67.

PETROLEUM WORKERS—EDUCATION AND TRAINING (see also subdivision under Volgograd Province)

Problems of training and raising qualifications of specialists in petroleum supply industry. V.A. Latyshev, V.B. Savitskii. *Transp.i khran.neft i nefteprod.* no. 3:28-30 '67.

PHYSIOLOGY

(see also subdivision under Mezhevsky District; Sayan Mountains)

Chromium-bearing muscovite from xenolith of biotite gneiss V V Baitav Dop AN URSS, Ser B 29 no. 3 193-196 Mr '67

Diffusion (transportation of substance in joint cavities and through intergranular spaces in water-saturated rocks, A.S. Lapukhov, Geol. i geofiz. no. 12 56-64 64 '68

Experimental reproduction of banded structures in hydrothermal conditions, V.G. Gogishvili, A.G. Khudadze Geokhimiya no. 2 253-255 F '67

[Materials of a research laboratory on sedimentary formations and sedimentary ores, geochemistry and lithology of Central Asia. Scientific session, April 1968] Materialy problemnoi laboratorii osadochnykh formatsii i osadochnykh rud, k geokhimi i litologii Srednei Azii. Nauchna sessiia (April', 1968) Tashkent, 1968. 189 p

PETROV, VIKTOR PLATONOVICH, 1894-

V.P. Petrov on his 70th birthday. Arkheologiya 20:3-4 166

PHAGOCYTOSIS

Effect of osotic acid on the phagocytic activity of leucocytes, M.M. Pates, O.A. Bulanovskaya, Biul. eksp. biol. i med. 63 no. 4 76-78 Ap '67

Effect of sodium orotate on the development of aseptic inflammation and phagocytosis, E.M. Chukichev Farm. i toks 30 no. 2 214-218 Mi-Ap '67

pH changes of cytoplasm in phagocytosis of microbes stained with indicator dyes, E.P. Pavlov, V.N. Solov'ev Biul. eksp. biol. i med. 63 no. 4 78-81 Ap '67

PHARMACOLOGY

Effect of narcotics, temperature and dinitrophenol on the physical electrotonus of nerves, D.S. Vorontsov, Fiziol. zhur 49 no. 10 1197-1203 O '63

Mechanism of the action of drugs as a biological problem, S.V. Intichkov, Sov. med. 27 no. 8:3-8 Ag '63

Pharmacological properties of some homologues of 5-methoxytryptamine, G.S. Aitunian, Farm. i toks 30 no. 2 174-178 Mi-Ap '67

Quantitative aspects of the treatment with cardiac glycosides, M.E. Shutski, B.L. Votchal Vest. AMN SSSR 22 no. 4 57-64 '67

PHARYNX-ABSCESS

Retropharyngeal abscess complicated by a retropharyngeal phlegmon, V.S. Pogorelov, Zhur. uzh. nos. i gorl. bol. 20 no. 2 78-80 Mr-Ap '60

PHARYNX-DISEASES

Paratuberculosis of the pharynx, M.Kh. Elin, M.I. Garshin, Zhur. uzh. nos. i gorl. bol. 20 no. 2 29-31 Mr-Ap '60

Peculiar case of hypoplasia of the pharyngeal lymphoid tissue, T.I. Begunova, Zhur. uzh. nos. i gorl. bol. 20 no. 2 72 Mr-Ap '60

PHARYNX-TUMORS

Lymphoepithelioma of the pharynx in a 4-year old child, M.A. Ksendzov, Zhur. uzh. nos. i gorl. bol. 20 no. 2 75-76 Mr-Ap '60

PHASE CONVERTERS

Linearization of the phase characteristics of wide-band phase converters, L.E. Kilgus, Radiotekhnika 22 no. 4 21-27 Ap '67

Methods for improving the principal characteristics of the phase-rotating device of a coding converter of electrical signals with small intensity, S.D. Khachaturov, Avtomatika 12 no. 2 87-74 Mr-Ap '67

Study of the operation of a synchronous phase converter, I.M. Kamen', Elektromashinost. i elektromet. no. 4 132-142 '66

PHASE RULE AND EQUILIBRIUM

Calcium solubility in phase components of ferrosilicon with a high silicon content, A.V. Sabl'yanov and others, Izv. vyz. ucheb. zav. chern. met. 10 no. 4 12-17 '67

Carbide phase in high-silicon cast iron, I.A. N. Maly-nchka, G.Z. Kovalchuk, Dop. AN URSS no. 1:25-28 1981

Changes in structure and properties of Al-5% Zn-1% Mg and Al-5.5% Ge alloys in the aging process, V.M. Pesel'skii, A.T. Polosin, Fiz. met. i metalloved. 20 no. 3 449-455 Mr '67

Character of the failure of aluminum alloys in the liquid-solid state, I.I. Novikov, F.S. Novik, Izv. AN SSSR, Met., no. 2:93-96 Mr-Ap '67

Conditions for the existence of a nitride phase in nickel alloys with titanium, zirconium, and aluminum, I.A. Stomakhin, A.IU. Poliskov, Izv. vyz. ucheb. zav. chern. met. 10 no. 3 116-121 '67

Constitutional diagram of Al-Mn-Li in its aluminum-rich part, Z.A. Sviderskaya, E.S. Kadonov, N.I. Turkina, Izv. AN SSSR, Met., no. 2:183-188 Mr-Ap '67

Determining parameters of interatomic interaction in iron-manganese and iron-silicon alloys by the position of alpha 2 gamma-phase equilibrium curves, V.P. Skvorchuk, Dop. AN URSS no. 1:29-32 '61

Diffusive stress relaxation during polymorphic transformation, M.A. Shtramel', V.I. Lisunov, Fiz. met. i metalloved. 23 no. 3 521-527 Mr '67

Effect of chromium and nickel on alpha-phase formation during the deformation of austenitic steel, G.V. Korolushenko, N.G. Agostkin, Izv. AN SSSR, Met., no. 2:130-132 Mr-Ap '67

Equilibrium liquid - vapor in binary and ternary systems formed by C₅ hydrocarbons and nitromethane, S.K. Ogorodnikov, V.B. Kogan, M.N. Nemtsov Zhur. prikl. khim. 34 no. 4 841-847 Ap '61

Equilibrium liquid - vapor in ternary systems formed by C₅ hydrocarbons with methanol and also with acetone, S.K. Ogorodnikov, V.B. Kogan, M.S. Nemtsov Zhur. prikl. khim. 34 no. 4 836-841 Ap '61

Equilibrium of MnFe₂O₄ with H₂ - H₂O gas phase, A.G. Rozanov, T.I. Bulgakova, O.S. Zaitsev, Izv. AN SSSR Neorg. mat. 3 no. 1 192-195 Ja '67

Equilibrium of 1- and 2-methylnaphthalenes in the system liquid - solid, A. Rabchuk, Zhur. fiz. khim. 41 no. 4 891-892 Ap '67

Exoemission during gamma delta transformations, I.N. Bogachev and others, Fiz. met. i metalloved. 23 no. 4:874-877 Ap '67

Fusibility diagram of the system Ti - Zr - Cr, L.I. Kozlov, O.K. Belousov, R.S. Muraviev, Izv. AN SSSR, Met., no. 2:201-203 Mi-Ap '67

Hardening and temperature stability of structural changes dependent on gamma delta transformations in Fe-Mn alloys, I.N. Bogachev, V.F. Egozhev, Fiz. met. i metalloved. 23 no. 4:678-684 Ap '67

Heterogeneous equilibrium in the ternary systems type monovalent metal nitrate - nitric acid - water, M.A. Iakimov, V.I. Mishin Zhur. neorg. khim. 12 no. 4 1054-1063 Ap '67

Kinetics of austenite decomposition in white chromium-nickel cast iron, I.U. N. Faian, I.U. K. Bunina Dop. AN URSS no. 10:1321-1326 '65

Kinetics of decomposition of austenite in cast graphitized steel at temperatures below 600°, I.A. V. Grechynil and others, Dop. AN URSS, Ser. A 29 no. 1:72-76 Ja '67

Phase diagram of lead - mercury system, G.V. Lian-Sho-Slan and others, Tiudy inst. khim. nauk AN Kazakh, SSR 15:139-149 '67

Phase diagram of the lead - bismuth system, M.F. Nosek, G.V. Lian-Sho-Slan, N.M. Sembratova, Tiudy inst. khim. nauk AN Kazakh, SSR 15:150-157 '67

Phase diagram of the vanadium - gallium system, E.M. Savitskii and others, Izv. AN SSSR, Neorg. mat. 3 no. 1 45-53 Ja '67

Phase equilibrium in the system butyric (isobutyric) aldehyde - carbon monoxide - hydrogen, D.S. Tsiklis, V.I.A. Maalenikova, N.P. Gorunova, Khim. prom. 43 no. 2:30-32 F '67

Phase equilibrium in the system molybdenum - titanium - zirconium, Dokl. AN SSSR 172 no. 6:1382-1384 F '67

Position of the thalweg ledeburite in the system Fe-C-Si, A.A. Zhukov, R.L. Snezhnol, Izv. AN SSSR, Met., no. 2:195-199 Mr-Ap '67

Refinement of diagram of state of system Bi-B₂Se₃, A.A. Godovikov, N.A. Il'iasheva, Zh.N. Fedorova, Geol. i geofiz. no. 12:123-124 '65

Stabilization of austenite, G.A. Odintsov, Izv. vyz. ucheb. zav. chern. met. 10 no. 3 133-134 '67

Studying gas-liquid phase transition in porous medium, B.A. Belinskii, L.L. Sinik Nauch. i tekhn. po dob. nefli no. 30:91-95 '66

Studying part of the system Ti - Al - Cr - Fe - Si - B, V.S. Mikheev, T.S. Chernova, Izv. AN SSSR, Met., no. 2:206-209 Mr-Ap '67

Studying the kinetics of isothermal decomposition of austenite in 20KhGNR steel, V.N. Gonchar and others, Izv. vyz. ucheb. zav. chern. met. 10 no. 3:127-130 '67

Studying the system Ni₃Al - Ni₃Ti, R.S. Mintz, G.F. Bol'sheva, I.U.S. Malkov, Izv. AN SSSR, Met., no. 2:172-176 Mr-Ap '67

Studying the tungsten carbide-cobalt alloy, L.Kh. Pavlov and others, Izv. AN SSSR, Met., no. 2:177-182 Mr-Ap '67

Ternary carbide eutectic in Fe-C-Si alloys, I.A.N. Malinichka, V.Z. Dolinskaya, I.E. Lev. Izv. AN SSSR, Met., no. 2:189-194 Mr-Ap '67

Ternary Laves phases in systems Li - Cu - Zn, Li - Cu - Ga, and Li - Cu - Ge, M.IU. Testuk, G.I. Oleksiv, Dop. AN URSS no. 10:1329-1331 '65

Ternary systems niobium - rhenium - carbon and tantalum - rhenium - carbon, L.V. Gorshkova, T.F. Fedorov, I.U.B. Kuz'ma, Porosh. met. 7 no. 4:42-45 Ap '67

PHELLODENDRON

Lactones from Phellodendron sachalinense bark, G.K. Nikonov, R.K. Veremel, A.I. Shretter, Tiudy Bot. inst. Ser. 5 no. 12 79-81 '65

PHENANTHRENE

Mass spectra and structure of organic compounds Part II. Phenanthrene and its homologs, A.A. Pollakov and others, Zhur. org. khim. 3 no. 4:608-614 Ap '67

Production of raw material for plastics and poisonous chemicals in catalytic vapor-phase oxidation of phenanthrene, O.A. Morozekii, G.D. Kharlampovich, Khim. tekhn. no. 4:84-88 '66

Vinyl compounds of phenanthrene, A.I. Levenchenko, E.I. Zolotokin, Khim. tekhn. no. 4:77-79 '66

PHENAZINE-SPECTRA

Electron paramagnetic resonance spectra of aryl radicals of phenazine and its derivatives, A.I. Brodskii, L.L. Gordinenko, I.U.A. Kruglak, Teoret. i ekspr. khim. 3 no. 1:98-105 Ja-F '67

PHENETIDINE

Synthesis of N-alkyl derivatives of phenetidine and phenetidine, L.A. Skupko Khim. prom. 43 no. 1 24 My '67

PHENETOLE

Separation of boron isotopes by means of isotopic exchange between BF₃ and BF₃ complex with phenetole, S.I. Katal'nikov, R.M. Paramonov, V.S. Nudavitskii Atom. energ. 22 no. 1 297-302 Ap '67

PHENOCRYSTS

Inclusion of melts in phenocrysts of nepheline basalt, V.S. Sobolev and others, Dokl. AN SSSR 173 no. 2 434 Mr '67

PHENOLCONDENSATION PRODUCTS

Absorption of oxygen by dry and moistened coal, previously saturated with methane, V.I. Khavova, E.M. Aksenova, Vop. bezop. v ugol' shakht. 7 146-152 '66

Investigating prophylactic mixtures for preventing spontaneous fires, V.I. Khavova, E.M. Aksenova, T.I. Goidova, Vop. bezop. v ugol' shakht. 7 148-155 '66

Results of investigating the effect of moistening on the process of oxygen absorption by degassed coal, A.A. Seleznev, Vop. bezop. v ugol' shakht. 7 152-157 '66

Structure of hardened resin polymers, S.M. Tkachuk and others, Vysokom soed. Scr. B 9 no. 1:21-26 Ja '67

Studying infrared absorption spectra of resin-type formaldehyde polymer in the process of heat treatment, L.I. Komarova and others, Zhur. prikl. spekt. 6 no. 1 501-504 Ap '67

PHENOLASES

Distribution of polyphenoloxidase activity in chromatography of potato bulk protein, A.S. Vecher, V.N. Roshatnikov, O.K. Vasil'kevich, Dokl. AN SSSR 11 no. 3:287-289 Mr '67

Study of localizing polyphenoloxidase in tea leaves, G. Buzun, K.M. Dzhenukhadze, L.F. Milesniko, Dokl. AN SSSR 173 no. 4:951-955 Ap '67

PHENOLOGY

Indication phenology and its significance for medical geography, G.E. Shults, Dokl. po med. geogr. no. 2 38-48 '65

PHENOLS

Chlorination of 2-nitro-4-tert-butylphenol, I.N. Muzikova and others, Zhur. org. khim. 3 no. 1 520-524 Mi '67

Destruction of polyatomic phenols and naphthols in solution at water depending on temperature, V.F. Kaplin, S.E. Panchenko, N.G. Fesenko, Gidrokhim. mat. 4 262-273 '66

Determination of phenols in oils and raffinates by ultraviolet spectrophotometry, B.G. Gatllova, T.D. Bel'skii, Khim. i tekhn. topl. i masel 12 no. 4:55-58 Ap '67

Effect of certain phenols on the thermal and light decomposition of poly(vinyl chloride), Z.V. Popova and others, Zhur. prikl. khim. 34 no. 4:874-881 Ap '61

Fluorine-containing polyhalogenated phenols, G.P. Tataurov and others, Zhur. ob. khim. 37 no. 3:674-684 Mr '67

Formation of cyclohexadienones in the intramolecular alkylation in the series of sterically hindered phenols, V.V. Ershov, I.S. Boloshtakina, V.I. Volod'kina, Zhur. org. khim. 3 no. 3 511-514 Mi '67

Heterogeneous catalytic synthesis of orthoalkenylphenol, S.M. Aliev and others, Azerb. nefi. khoz. 45 no. 3 38-40 Mr '67

Intensity of (A - H) infrared bonds and the hydrogen bond, Part II. H-complexes of phenol with a series of others and benzene, A.V. Iogansen, B.V. Nassadn, Zhur. prikl. spekt. 6 no. 4:402-500 Ap '67

Mechanism of self-purification of surface waters of land from phenol compositions. Report No. 1. Oxidation of simplest phenol (carbolic acid) by air oxygen, V.T. Kaplin, E.I. Porot'shteln, N.G. Fesenko, Gidrokhim. mat. 42 274-280 '66

O-pentachlorophenyl dichlorothiophosphate and its amide derivatives, D.Kh. Iarmukhamerova, I.V. Cheplanova, Izv. AN SSSR Ser. khim. no. 3 602-606 Mr '67

Ortho-effect in the reactions of phenol alkylation, N.M. Karavaev and others, Dokl. AN SSSR 173 no. 4:832-833 Ap '67

Photosynthesis products of tea plant and biosynthesis of phenol compounds, M.N. Zaprometov, V.I.A. Bukhacova, Fiziol. i biokh. 14 no. 2:197-209 Mr-Ap '67

Preparation of a phenol complex of boron fluoride, G.A. Lopatkina and others, Khim. prom. 43 no. 2:19-21 F '67

Production of the highly effective antioxidant 2,2-methyl-ene-bis-(4-methyl-6-tert-butylphenol), A.A. Grinberg, I.A. Gurvich, T.A. Frisman, Khim. prom. 43 no. 5:10-21 My '67

Quantitative determination of volatile phenols of tobacco smoke, I.G. Mokhnachev, D.N. Lataeva, Izv. vyz. ucheb. zav. i tekhn. tekhn. no. 2:47-49 '67

PHENOLS (Continued)

- Removal of phenols from drinking water by activated carbon. M. A. Shevchenko, E. M. Kalinichuk, A. N. Baranovskaya. *Ukr. khim. zhur.* 33 no. 2 208-211 '67
- Role of bottom sediments in process of self-purification of reservoirs from phenol compositions. V. T. Kaplin, E. I. Porel'shtein, N. G. Fesenko. *Gidrokhim. nat.* 42 281-295 '66
- Spectral examination of some substituted 2-hydroxyazo-benzene and their inner-complex compounds with copper, nickel, and cobalt. G. G. Shuljak, B. I. Stepanov. *Zhur. ob. khim.* 37 no. 3 653-657 Mr '67

Synthesis and infrared spectra of complexes of tin chloride with vinyl and ethyl ethers of α -aminophenols. K. V. Zapunnina and others. *Zhur. ob. khim.* 37 no. 3 571-576 Mr '67.

PHENOLS—ANALYSIS

Investigating impurities in phenol products by the method of spectrophotometry in ultraviolet spectrum. G. A. Markus, A. P. Zarutskii. *Koks i khim.* no. 3 36-42 '67.

PHENOLS—CONGRESSES

First All-Union Symposium on Phenol Compounds. M. N. Zayrometov, *Fiziol. i est.* 14 no. 2 386-390 Mr-Apr '67.

Symposium on phenol compounds. M. S. Ufianova, N. P. Koiabeva. *Fiziol. i est.* 14 no. 2 225-230 Mr-Apr '67.

PHENOLS—PHYSIOLOGICAL EFFECT

Difference in the intraventricular introduction of bacterial pyrogen and α -dimethylphenol on their regulation. N. A. Kalishina, I. S. Reptin. *Bull. eksp. biol. i med.* 63 no. 4: 63-65 Apr '67.

PHENOXAZINE

Mechanism of biosynthesis of the phenoxazine part of the antibiotic anisatin. T. I. Orlowa, A. B. Silaev. *Antibiot. i khim.* 12 no. 4 283-287 Apr '67.

PHENYL GROUP

Phenyl derivatives of vanadium. G. A. Razuvayev and others. *Dokl. AN SSSR* 172 no. 6 1337-1339 Apr '67.

PHENYLENEDIAMINE

Effect of the nature of cation and anion of salt on the state of coordinated amino groups in para-phenylenediamine complexes. M. S. Baidynok, I. S. Bukharova. *Zhur. neorg. khim.* 12 no. 3 694-696 Mr '67.

PHENYLETHINE—PHYSIOLOGICAL EFFECT

Effect of camphor and its mixture with mesalene on lymph secretion in dogs following massive bleedings replaced by isotonic solution of sodium chloride. I. P. Safonov, *Farm. i toks.* 30 no. 2 168-169 Mr-Apr '67.

PHILOSOPHY

Akademiya nauk SSSR. Institut filosofii. [Studies on the history of philosophy] *Istoriko-filosoficheskie ocherki.* Moskva, Nauka, 1964. 304 p. (Dialektika—teoriya poznaniya) (CU)

Philosophy and common sense. T. I. Olzerman. *Vop. filos.* 21 no. 4 110-130 '67.

Understanding the categories of "concept" and "form" in connection with the development of biology. M. I. Konkin. *Nauch. dokl. vuz. shkoly. filos. nauki* 10 no. 2 24-32 '67.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY OF NATURE

Veselo, Pavel. [Is nature eternal; a critical analysis of the basic conception of materialist theories] *Vechna li priroda; kratkieskii analiz osnovnogo polozheniya materialisticheskikh uchenii.* Munich, Izd. Tsentral'nogo obshchestvennogo poslovoennoy emigrantov iz SSSR (TsOPE), 1963. 48 p. (MII)

PHONOGRAMS

"Sirius-5" radio-phonograph combination. *Radio* no. 4: 32-33 Apr '67.

PHONONS

Induced radiation through free excitations with the emission of acoustic phonons. E. L. Nott, *Fiz. i tekhn. poluprov.* 1 no. 4 620-622 Apr '67.

Phonon drag in n-Ga in a quantized longitudinal magnetic field. N. G. Gluzman, I. M. Tsidil'kovskii. *Fiz. i tekhn. poluprov.* 1 no. 4 522-525 Apr '67.

Theory of oscillations in the photoeffect spectra in semiconductors. V. F. Blasin. *Fiz. i tekhn. poluprov.* 1 no. 4 473-483 Apr '67.

PHOSPHAGENS

Age-related changes in phosphagen content in normal muscles and following injection of thyrotropic hormone. V. N. Nikitin, T. V. Ivanenko. *Uch. zap. KIGU* 131 141-146 '62.

PHOSPHATASES

Effect of alkaline phosphatase on hydrolysis kinetics in β -sodium nitrophenyl phosphate. A. P. Bratskin, E. B. Nikol'skaya, N. D. Karpenko. *Biochimika* 32 no. 2 261-269 Mr-Apr '67.

Isolation of phosphomonoesterase preparations used in studying nucleic acid structure. N. M. Abrosimova-Amel'anchik, V. D. Aksel'rod, R. I. Tatarskaya. *Biochimika* 32 no. 2 240-247 Mr-Apr '67.

Phosphodiesterases of *Actinomyces* No. 5 of coelicolor type R. I. Tatarskaya, V. D. Kolt'sov, A. I. Koteniako. *Dokl. AN SSSR* 173 no. 2 463-465 Mr '67.

Ultrastructural cytochemistry of nonspecific phosphomonoesterases during the development of experimental hepatoma. V. G. Panchuk, L. A. Zolotarev, B. D. Monastyr'skaya. *Vop. eksp. onk.* no. 2 17-28 '66.

PHOSPHATES

(see also subdivision under Ukraine)

Efficiency of the band placement of superphosphates for sugar beets in virgin regions of Kazakhstan. N. G. Lisutina. *Khim. v sel' khoz.* 5 no. 4 69-70 Apr '67.

Participation of acetol phosphate in photophosphorylation in pea chloroplast. A. A. Iasnikov and others. *Biochimika* 32 no. 2 234-239 Mr-Apr '67.

PHOSPHATES—ANALYSIS

Analysis of phosphate minerals using ion exchange. I. A. Stoklarova, A. S. Akol'eva. *Trudy VSEGI* 125 179-185 '66.

PHOSPHATES—SOLUBILITY

Calculation of free energies of formation and solubility products of some phosphates of the apatite group. A. S. Mikhailov. *Zhur. fiz. khim.* 41 no. 4 882-884 Apr '67.

PHOSPHATIDES

Catalytic hydrogenation of phosphatides. G. A. Pollova, D. V. Sokol'skii. *Izv. AN Kazakh. SSR. Ser. khim.* 17 no. 2 67-70 Mr-Apr '67.

PHOSPHINE

Methylidene phosphine reaction with acrylic acid. V. K. Khalullin, T. I. Sobel'muk, A. N. Pudovik. *Zhur. ob. khim.* 37 no. 3 710-714 Mr '67.

Reaction of diethylphosphine with derivatives of dimethylacrylic acid and mesityl oxide. S. Kh. Nuridinov and others. *Zhur. ob. khim.* 37 no. 3 692-695 Mr '67.

Removal of phosphine from acetylene by an anion exchanger in a polyiodide form. A. I. Vukikh and others. *Khim. prom.* 43 no. 6 17-19 May '67.

PHOSPHINE OXIDE

Phosphorus-containing polymers. Report No. 2. Mixed polyamides based on phosphine oxides. G. M. Vinokurova and others. *Izv. AN SSSR. Ser. khim.* no. 3 596-601 Mr '67.

Synthesis of phosphine polyoxides. M. I. Kabachnik and others. *Izv. AN SSSR. Ser. khim.* no. 3 591-595 Mr '67.

PHOSPHINE SULFIDE

Comparative distribution of p^{32} -labeled Thio-T-EPA and p^{32} labels under experimental conditions. V. A. Kochetkova, A. P. Morozov. *Med. i rad.* 12 no. 1 8-11 Apr '67.

PHOSPHINE SULFIDE—PHYSIOLOGICAL EFFECT

Cytophotometric and karyometric study of the combined effect of Thio-T-EPA and protamine on tumorous cells in tissue culture. I. I. Smerlenko, V. I. A. B. Odaski, A. I. Braude. *Bull. eksp. biol. i med.* 63 no. 5 77-80 May '67.

PHOSPHINIC ACIDS

Complex formation of trivalent americium, curium, and promethium with methylphosphinic acid. M. S. Borisov and others. *Radiochimia* 9 no. 2 166-171 '67.

Synthesis and thermal rearrangement of alkyl esters of phosphinic acids. A. N. Pudovik, I. M. Aladzheva, L. V. Spirina. *Zhur. ob. khim.* 37 no. 3 700-708 Mr '67.

PHOSPHINOUS ACID

Action of carbon tetrachloride and chloral on alkyl esters of di-p-chlorophenylphosphinous acid. F. M. Khariyazova and others. *Zhur. ob. khim.* 37 no. 3 687-691 Mr '67.

Reaction of phosphinous acids with aldehydes and ketones. Part 32: Esters of α -hydroxy α -dithoxyphosphonethyl-butyolphosphinous and α -hydroxy α -alkoxyphosphonopropionic acids. V. S. Abramov, V. I. Barabanov, L. I. Long. *Zhur. ob. khim.* 37 no. 3 714-718 Mr '67.

PHOSPHOFRUCTOKINASE

Phosphofructokinase activity and Pasteur effect regulation in early embryogenesis. L. S. Millman, I. U. G. Iurovitskii. *Biochimika* 32 no. 2 416-422 Mr-Apr '67.

PHOSPHOGLUCOMUTASE

Effect of hydrogen-ion concentration on the activity of phosphoglucomutase. A. G. Pasynskii, V. N. Tveritskii. *Zhur. fiz. khim.* 41 no. 4 793-799 Apr '67.

PHOSPHOLIPASES

De novo synthesis of lecithins by Clostridium perfringens. G. F. Shemanova, K. L. Shakhmatina, L. A. Malkina. *Dokl. AN SSSR* 173 no. 5 1203-1205 Apr '67.

PHOSPHONIC ACID

Phosphonazo III. A. M. Lukin and others. *Dokl. AN SSSR* 173 no. 2 361-363 Mr '67.

PHOSPHONIUM COMPOUNDS

New method of production of alkyltrialkoxo phosphonium boron fluoride and the experimental confirmation of the possibility of chain mechanism in Arbuzov's reaction. L. V. Nesterov, A. A. Kessel'. *Zhur. ob. khim.* 37 no. 3 728-731 Mr '67.

PHOSPHORAMIDE ACID

Study of dihydroxyester of phenylsulfonylamidophosphoric acid as an extraction agent. F. D. Shevchenko, L. A. Kuzina. *Ukr. khim. zhur.* 33 no. 3 240-245 '67.

PHOSPHORE ACID

Extraction of metals with alkylphosphoric acids synthesized from industrial alcohol mixtures. A. S. Chel'niak, M. L. Navtanovich. *Zhur. prikl. khim.* 34 no. 4 916-919 Apr '61.

Extraction of mineral acids by di-2-ethylhexylphosphoric acid. A. N. Zolotarev, V. M. Nerezhko. *Zhur. neorg. khim.* 12 no. 3 768-773 Mr '67.

Extraction of phosphates complexes of iron by amines. I. A. Shevchenko, N. A. Skripnik, R. I. Kolesnik. *Zhur. neorg. khim.* 12 no. 3 764-767 Mr '67.

Extraction of phosphoric acid by tri-n-octylamine solution in benzene. V. P. Smirnov, D. E. Goltov. *Zhur. neorg. khim.* 12 no. 3 816-817 Mr '67.

Interaction between indium ions and tripolyphosphate in aqueous solutions. L. P. Andrusenko, I. A. Sheka. *Zhur. neorg. khim.* 12 no. 3 638-642 Mr '67.

Phosphoric acid isolation from apatite by silicate bacteria. V. I. Aleksandrov, R. N. Blahodir, I. P. Il'iev. *Mikrobiol. zhur.* 29 no. 2 111-114 Mr-Apr '67.

Reaction of urea with phosphoric anhydride. P. S. Bozad-zhiev, S. I. Vol'kovich, A. I. Chelkovskikh. *Zhur. prikl. khim.* 40 no. 4 895-897 Apr '67.

Thionylamide of diethylphosphoric acid in diene synthesis. E. G. Katsen, V. P. Plennikov, V. V. Maiklin. *Dokl. SSSR* 165 no. 6 1313-1316 D '65.

Use of alkylphosphoric acids in analytical chemistry. Itopri No 5: Simultaneous determination of antimony, bismuth, and iron in tin-containing materials. A. A. Shatalova and others. *Zhur. anal. khim.* 22 no. 2 196-198 Apr '67.

PHOSPHORIC ACID—THERMODYNAMICS

Effect of additions of tri-n-butyl phosphate and n-octanol on the thermodynamic activity of di-n-butylphosphoric acid in benzene and n-heptane in relation to their anag-oleptic action during extraction of metals. V. A. Mikhailov, E. T. G. Igar'eva, S. K. Khachenko. *Radiochimia* 9 no. 2 149-156 '67.

PHOSPHORITES

(see also subdivision under Karatau; Yegor'yevsk region, Moscow Province)

Concentration of carbonate-phosphorite ores of the Domanogorskoye deposit. N. T. Tsapkov, M. A. Orlov. *Khim. prom.* 43 no. 5 171-73 May '67.

Effect of apatite and phosphorite media on yeast in alcoholic fermentation and growing of food yeasts. V. A. Utenkova and others. *Sbor. tr. NIIG* 15, 72-81 '66.

PHOSPHOROTHIOIC ACID IN THE BODY

Distribution of thiophosphamide in organs and its excretion from the body. N. N. Kiseleva, A. V. Shishkov. *Farm. i toks.* 30 no. 2 209-211 Mr-Apr '67.

PHOSPHOROTHIOIC ACID

Isomeric esters of selenothiothiophosphoric acid. N. I. Zemlinitskii, N. M. Chernina. *Ukr. khim. zhur.* 33 no. 2 182-183 '67.

Studying the rotational isomers of methyl dichlorothiophosphate $CH_3OP(S)Cl_2$. A. P. Vasil'ev. *Zhur. prikl. spekt.* 6 no. 4 2405-101 Apr '67.

PHOSPHOROUS ACID

Action of trialkyl phosphites on 10-b-methylcandibron. B. A. Arbuzov, N. D. Ibragimova. *Izv. AN SSSR. Ser. khim.* 1967.

Derivatives of phosphorous acid. Triamides of substituted α -carboxylic acid. R. A. Sabirova, L. V. Nesterov. *Zhur. ob. khim.* 37 no. 3 732-734 Mr '67.

Interaction of triethyl phosphite with and tert-butyl chloroide at high pressure. I. Z. Fainstein. *Izv. AN SSSR* 513-536 Mr '67.

Reaction of addition of trialkyl phosphite. B. A. Arbuzov and others. *Dokl. AN SSSR* 335-338 Mr '67.

PHOSPHORS—SPECTRA

Vibrational structure in the stimulated ZnS phosphors. K. S. Rebano, V. spekt. 6 no. 4 550-552 Apr '67.

PHOSPHORUS

(see also subdivision under Saryd)

Diffusion of phosphorus through oxid. G. S. Kulikov, B. I. Boltaks, E. P. S. Neorg. mat. 3 no. 1 26-28 Ja '67.

Tetraalkylidiphosphines and tetraalkyl from elementary phosphorus. G. I. Petrov. *Dokl. AN SSSR* 173 no. 5:

2038

PHOTONS

Decay of neutral pions into three photons. A. V. Tarsov. *Izv. fiz. 5* no. 3 626-630 M 197.

PHOTONS—SCATTERING

Number of scatterings in photon diffusion. Part 3. V. V. Sobolev. *Astrofizika 3* no. 15-16 F 197.

PHOTONUCLEAR REACTIONS

Angular distribution of photoprotons from the $d(\gamma, n)p$ reaction (E γ 2.72 Mev). P. M. Tutakin. *Izv. fiz. 5* no. 4 701-702 Ap 197.

Photo-disintegration of Li^6 nucleus. V. P. Denisov and others. *Izv. fiz. 5* no. 3 498-503 M 197.

Photonuclear reactions of n Li^6 nucleus involving the yield of complex particles. M. I. Dzhibutli. *Sov. AN Gruz. SSR 45* no. 2 342-348 F 197.

Photoproduction of neutral vector mesons and the quark model of elementary particles. A. I. Akhmedov, M. P. Rekafo. *Izv. fiz. 5* no. 3 641-643 M 197.

Reactions with emission of protons, deuterons, and tritons in the photo-disintegration of Li^6 nucleus. V. P. Denisov, L. A. Kulchitskii. *Izv. fiz. 5* no. 3 490-497 M 197.

Spin structure of the photoproduction amplitude at high energies. A. V. Berkov, I. U. Nikitin. *Izv. fiz. 5* no. 3 650-657 M 197.

PHOTOPERIODISM

Constitution of a model of photoperiodic reaction in plants. B. S. Moshkov, S. L. Pampianskaya, L. I. A. Fokhtinskii. *Dokl. AN SSSR 173* no. 4 963-966 Ap 197.

Lindane penetration into plants of various photoperiodic groups and its biological activity in relation to light balance. G. A. Odumanova-Duanova. *Fiziol. rast. 14* no. 2 282-291 M 197.

Photoperiodism in *Apia mellifera* L. (Hymenoptera, Apidae). A. V. Cherednikov. *Ent. obozr. 16* no. 1 60-67 197.

PHOTOSYNTHESIS

Characteristics of the formation and work of the photosynthetic apparatus in corn and soybean in artificial (dual) canopies. K. N. Zhailbaev. *Fiziol. rast. 14* no. 2 237-246 M 197.

Effect of chloramphenicol on photosynthesis apparatus in plants. O. P. Ostrova, M. K. Nikolaeva, Kh. I. A. Kheln. *Fiziol. rast. 14* no. 2 210-218 M 197.

Effect of the density of lemon trees on the intensity of photosynthesis as related to their frost resistance. V. E. Mikaberidze. *Subtrop. kul't. no. 4* 32-36 196.

Mechanism of some primary oxidation-reduction reactions of photosynthesis. L. B. Rubin. *Nauch. dokl. vys. shkoly, biol. nauki 10* no. 3 60-66 197.

Photoconductivity of chloroplast and chromatophore films in bacteria. Their temperature dependence and action spectra. V. I. Zvalinskii, F. F. Litvin. *Dokl. AN SSSR 173* no. 3 703-706 M 197.

Photosynthesis action spectra, Emerson effect and induction phenomena in higher plants. F. F. Litvin, Kh. I. A. Tan' (Ho-T'an). *Fiziol. rast. 14* no. 2 210-231 M 197.

Photosynthesis of potato plants. F. I. A. Buzover. [Trudy] *KISKII 57* 50-76 196.

Photosynthesis products of tea plant and biosynthesis of phenol compounds. M. N. Zaprometov, V. I. Bukhlaev. *Fiziol. rast. 14* no. 2 197-209 M 197.

Pigment composition, structure and photosynthetic capacity of chloroplasts in mutant corn leaves. A. Fajudi-Daniel, D. Dubraviczky. *Fiziol. rast. 14* no. 2 232-236 M 197.

Sensitization of internal photoeffect of ribonucleic acid by chlorophyll-type pigments. E. K. Putsiko. *Dokl. AN SSSR 173* no. 2 455-458 M 197.

Some problems of methodology in using carbon-14 isotope for photosynthesis studies. A. T. Mokuonov. *Zap. Sverd. old. VBO no. 4* 13-13 196.

Use of aerobics for studying the temporary course of photosynthesis. P. S. Belikov, L. G. Avakimova. *Izv. TSKIIA no. 1* 32-41 196.

Use of flash spectroscopy for studying kinetics of primary stages of photobiological processes. L. B. Rubin, A. P. Andreitsova. *Fiziol. rast. 14* no. 2 375-380 M 197.

PHOTOTELEGRAPHY

Phototelegraph tape recorder. V. Klimov. *Radio no. 4* 48-51 Ap 197.

PHOTOTROPISM

Determination of the orientation of plant leaves in space. L. M. Shifman. *Fiziol. rast. 14* no. 2 331-383 M 197.

PHthalAN

Mass spectra of some oxypthalans and related compounds. L. A. Pavlova, A. A. Poliakova. *Zhur. org. khim. 3* no. 4 601-608 Ap 197.

Reduction of phthalilum salts. T. G. Meient'eva, L. A. Pavlova. *Zhur. org. khim. 3* no. 4 743-747 Ap 197.

PHthalIC MONOPEROXYACID

Production of monoperoxyphthalic acid. M. I. Gorlaev, G. A. Tolstikov, L. A. El'chukova. *Zhur. prikl. khim. 34* no. 4 946-947 Ap 197.

PHthalIMIDE

Study of N-trichloromethylthio-derivatives of phthalimide and 1,2,3,6-tetrahydrophthalimide as inhibitors of the sorption of rubber mixtures. I. I. Ettinger and others. *Kauch. rez. 26* no. 4 24-26 197.

PHthalOCYANINES

Determination of the internal contact potential difference between metals based on currents limited by volume charge in thin phthalocyanine films. Z. A. Rotenberg, S. D. Levina. *Elektronika 3* no. 2 272-275 197.

New complex compounds of phthalocyanine with rare earth elements. I. S. Khin, P. N. Moskaev, I. U. A. Makashev. *Zhur. neorg. khim. 12* no. 3 707-712 M 197.

Synthesis and some properties of neodymium phthalocyanine. I. S. Khin, P. N. Moskaev, N. V. Ivannikova. *Zhur. neorg. khim. 12* no. 4 944-946 Ap 197.

PHYLLIOXERA

(see also subdivision under Moldavia)

Protection reaction of the lignified grape roots against Phylloxera. M. E. Spirin. *Fil. i mezy bor's. s. nei no. 2* 42-47 196.

Results of studying grapes resistant to Phylloxera at the ampelographic collection of the Moldavian Academy of Sciences (1952-1964). P. Kh. Kishin. *Fil. i mezy bor's. s. nei no. 2* 54-63 196.

Some characteristics of the nutrition of grape Phylloxera. L. A. Solovetskii, M. A. Derzhavina. *Fil. i mezy bor's. s. nei no. 2* 70-85 196.

PHYLLIOXERA—EXTERMINATION

(see also subdivision under Moldavia)

Polarographic determination of the residual quantity of hexachlorobutadiene in soil. I. U. S. Lialkov, A. S. Solonari. *Fil. i mezy bor's. s. nei no. 2* 39-41 196.

PHYLOGENY

Phylogenetic relationships between Chilopoda and other groups of Arthropoda. Z. S. Kaufman. *Ent. obozr. 46* no. 1 25-39 1967.

PHYLOGENY (BOTANY)

Ascorbic acid in plant phylogeny. N. S. Spiridonova. *Zap. Sverd. old. VBO no. 4* 127-129 196.

PHYSICAL AND THEORETICAL CHEMISTRY

Chemistry, Physical and theoretical

PHYSICAL EDUCATION AND TRAINING

Greater attention to the students' physical education. *Sred. spets. obr. 13* no. 10 1-4 O 196.

PHYSICAL EDUCATION FOR CHILDREN

In defiance of nature. I. Zamilatina. *Sem' in i shkola 21* no. 10 36-37 O 196.

Physical education, a review of the press. V. Fedorov. *Doshk. vosp. 40* no. 4 19-21 197.

PHYSICAL OPTICS

(see Optics, Physical)

PHYSICAL THERAPY

Combined use of traction, rotation, and vibration in the treatment of lumbar discopathies. R. Sandoz. *Ortop., trav. i protez. 28* no. 4 34-39 Ap 197.

PHYSICS

Struve, K. V. [General physics; abstract of lectures] *Obshchaya fizika; konpekt lektsii*. Leningrad, 1966. 2 v. (Uchebnoe televidenie)

PHYSICS—ABSTRACTS

[Physics] Ref. zhur. Fiz. no. 5 M 197.

PHYSICS—CONGRESSES

Significance of prowar Solvay Congresses on Physics. (In connection with the publication of the translation of N. Bohr's message to the 12th Solvay Congress in Brussels, October 1961) S. G. Suvorov. *Usp. fiz. nauk 91* no. 4 735-736 Ap 197.

PHYSICS—PHILOSOPHY

Kompanets, A. I. [Leninist philosophy and the progress of the physical sciences] *Leninskaya filosofiya i progress fizicheskikh nauk*. Moskva, Nauka, 1967. 100 p. (Nauchno-popularnaya seriya)

PHYSICS—STUDY AND TEACHING

Aesthetic education during classes in physics. I. Z. Levi. *Sred. spets. obr. 13* no. 10 43-44 O 196.

A course in physics at a medical school of higher education. I. U. P. Avotin. *Vest. vys. shkoly 25* no. 3 80-82 M 197.

Demonstration of standing waves. A. S. Mol'nikov. *Vech. sred. shkola 10* no. 2 84 M 197.

Development of vocational interests in senior students during chemistry and physics classwork. Z. S. Nechyporuk. *Rad. shk. 45* no. 4 41-47 Ap 197.

Mutual relationship between the teaching of physics and mathematics in the eight-year school. G. G. Lushin. *Uch. zap. Irk. gos. ped. inst. no. 20* 51-68 196.

Use of programmed instruction and knowledge check in physics classes. D. N. Dunin, N. V. Minishki, A. M. Frutkin. *Sred. spets. obr. 14* no. 3 21-25 M 197.

PHYSIOLOGICAL APPARATUS

Determination of cardiac output by means of thermofluorimetry. M. I. Gurevich and others. *Fiziol. zhur. 53* no. 3 350-354 M 197.

Use of low-inertia heat thermoelements for measuring the coronary blood flow in dogs under conditions of a chronic experiment. V. B. Zakhai zhevskii, V. N. Stuchkov, E. S. Chibotnikova. *Prikladnaya fiziol. i ekol. terop. 11* no. 4 76-78 M 197.

PHYSIOLOGICAL OXIDATION

(see Oxidation, Physiological)

PHYSIOLOGY

Aktivnitski gosudarstvennyi meditsinskii institut. [Transactions of the 4th scientific session] *Trudy chetyrekh nauchnoi sessii. Alma-Ata, "Kazakhstan," 1965. 388*

(DNLM)

[Essays on human and animal physiology and pathology under conditions of high-mountain regions] *Ochei ki po fiziologii i patologii cheloveka i zhivotnykh v usloviyakh vysokogor'ia*. [By] M. A. Aliev i dr. [Leningrad] Meditsina, 1967. 155 p.

PHYSIOLOGY, PATHOLOGICAL—CONGRESSES

Some problems of pathological physiology at the 11th International Congress of Hematology and Blood Transfusion. I. A. G. Ushanskii. *Prikladnaya fiziol. i ekol. terop. 11* no. 2 86-87 M 197.

PHYTONCIDES

Tokin, B. P. [Medicinal plant poisons; a story of phytoncides] *Tselebnye rady rastenii i povesi o fitontsikhakh*. [Leningrad] Lentsid, 1967. 280 p.

PHYTOPATHOGENIC BACTERIA

(see Bacteria, Phytopathogenic)

PHYTOPATHOGENIC FUNGI

(see Fungi, Phytopathogenic)

PHYTOPLANKTON

(see subdivision under Donois River)

PIA MATER—INNERVATION

Embryogenesis of the peripheral nervous system in the pia mater of the human brain. I. A. Kostantynivskiy. *Dop. AN URSS no. 1* 91-99 1961.

PICOLINIC ACID—EFFECT ON PLANTS

(see Effect of picolinic acid on)

PIGMENTS

"Crossiflorin," a new pigment from cottonseed. E. I. Manevich, A. I. Ismailov, A. S. Sadykov. *Nauch. trudy TashGU no. 206*. Khim. nauki no. 16 10-11 196.

PILGRIMS AND PILGRIMAGES

Meinyukh, P. [Lourdes, Rome, Fatima, Jerusalem] *Lurid, Rym, Fatima, Ierusalim*. [Yorkton, Sask., Redeemer's Voice Press, n.d.] 212 p.

PINBALL MACHINES

"Elektrohol-1". A. Vol'skii. *Radio no. 2* 38-39 F 197.

PINE

(see also subdivision under Kola Peninsula; Sverdlovsk Province)

Nitrogen nutrition of pine in stands of various density of plantations. T. N. Sudnitsyna. *Lesovedenie no. 2* 87-73 197.

PINENE

Study of chemical constituents of essential oils. Report No. 22. Catalytic isomerization of a pinene in the presence of alkaline K⁺. I. P. Pechina, M. I. Gorlaev, K. D. Dzhanosova. *Izv. AN Kazakh. SSR, Ser. Khim. 17* no. 2 93-98 M 197.

PINSK—POLITICS AND GOVERNMENT

Do we need a list? G. Nazarenko. *Part. zhizn' no. 7* 70-71 Ap 197.

PIONEERS (COMMUNIST YOUTH)

Akademiya pedagogicheskikh nauk RSFSR. [The Pioneer organization; articles, speeches, and letters of outstanding party and public leaders and statesmen] *O pionerskoi organizatsii, stat'i, rechi, pis'ma vydatnykh delatselei*. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 79 p. (Uchebno-pionerskoi rabote) (NIC)

Further improvement of the activity of the V. I. Lenin All-Union Communist Youth League in the leadership of the V. I. Lenin All-Union Pioneer Organization. Decision of the 2d plenum of the Central Committee of the V. I. Lenin All-Union Communist Youth League. *Nar. obr. no. 4* 8-11 Ap 197.

Guidance of the Pioneers' self-education. A. P. Makarovskaya. *Sov. pedagog. 31* no. 4 58-64 Ap 197.

Information notes. Nach. shkola 35 no. 4 102-104 Ap 197. N. K. Krupskaya, the theoretician and organizer of the Pioneer movement in the U.S.S.R. II. O. Paperna. *Rad. shk. 45* no. 4 8-13 Ap 197.

Those who wear the red stars. N. Izvekova. *Doshk. vosp. 40* no. 4 14-15 197.

Why confuse it? *Nar. obr. no. 4* 67 Ap 197.

PIPE

Stressed state of a thick-walled pipe under the action of internal pressure and longitudinal force. S. A. Bocharova. *Izv. vya. uchob. zav., mashinostro. no. 2* 16-23 197.

PIPE—FLUID DYNAMICS

Behavior of the friction coefficient in case of a compressed gas flow in pipes at very high negative pressure gradients. M.M. Nazarcuk, V.N. Panchenko. PMTF no. 6-93-96 N-D '66.

Calculating pressure loss in the range of low shear velocities in viscoplastic liquid. N.P. Leshchil, D.IU. Moehermuk. Izv. vyz. ucheb. zav., nef't i gaz 10 no. 2 77-80 '67.

Equations of the motion of non-Newtonian fluids in the initial section of a cylindrical pipe. I.A. Pishchenko, O.M. Likhno. Gidrotin bol'skoi no. 3 18-53 '67.

PIPE, CAST-IRON—CORROSION

Pipes with polyethylene coating. V. Golovisev, G. Isakhanian, V. Lillin. Prom. korr. 10 no. 3:31-33 '67.

PIPE, STEEL

Bring order to the planning for production and distribution of second grade pipes. L. Bakhtin, A. Seivovlin. Mat.-tekhn. 2 no. 4 88-89 Ap '67.

PIPE, STEEL—WELDING

(see also subdivision under Czechoslovakia)

Manufacture of welded pipe of low-alloy steels. A.T. Konushenko and others. Svar. prozv. no. 1-18-18 Ap '67.

Shevakin, I.U.F., R.V. Golovkin, and E.M. Krichevskii. [Improving the resistance welding of pipe] Sovetskoye konaktnoi svarki i lub. Moskva, Metallurgiya, 1967, 108 p.

PIPE BENDING

Determining the ovalness of pipes subjected to plastic bending. I.U.P. Katsay. Izv. vyz. ucheb. zav., nef't i gaz 10 no. 1 118-124 '67.

PIPE FITTING

Livinenko, P.A. [Filter attending gas equipment of industrial enterprises] Slesar' po obsluzhivaniyu gazovogo oborudovaniya promyshlennyykh predpriyatiy. Moskva, Nedra, 1966, 239 p.

PIPE FITTINGS

Testing of high-pressure equipment for erosion wear. P.V. Vinokov. Energ. i elek. no. 1 46-47 Ja-F '67.

PIPE FLANGES

Testing flange sleeves on flanged pipes. V.B. Protodopov, N.I. Alekseev. Khim. i nef't. mashinost. no. 5; 19-20 My '65.

PIPE JOINTS—WELDING

Certain regularities in melt forming during the welding of non-oxidation pipe joints. A.A. Erokhin, I.U.S. Ishchenko. Svar. prozv. no. 4 16-18 Ap '67.

Heat treatment of high-strength welded joints in drill pipes. B.P. Kolesnik and others. Svar. prozv. no. 4 22-25 Ap '67.

PIPE MILLS

(see also subdivision under Germany, West)

Analytical determination of pipe wall reduction during their expansion by drawing. I.L. Perlin. Stal' 20 no. 5 155-157 My '66.

Certain regularities in the formation of flaws along the inside square of pipes, open to discussion. N.M. Vedia-kin, P.E. Nomshech. Metallurg 12 no. 3:27-30 Mr '67.

Contact surface of deformation centers of diagonal rolling mills. A.P. Chelomarev, V.I. Biba. Nauch. trudy Dnepr. inst. cher. met. 21:69-162 '65.

Effect of kinematic characteristics on torque during cold pipe rolling. F.S. Soldatov, G.A. Suslin, I.U.F. Shevakin. Izv. vyz. ucheb. zav. Chern. met. 10 no. 3 60-83 '67.

PIPE MILLS—DESIGN AND CONSTRUCTION

Mills for making pipes with helical welds. Svar. prozv. no. 4:55-56 Ap '67.

Speed of deformation in diagonal rolling mills. A.P. Chelomarev, V.I. Biba. Nauch. trudy Dnepr. inst. cher. met. 21:193-203 '65.

PIPE MILLS—ELECTRIC EQUIPMENT

Malveev, I.U.M., and others. [Electric welding in the manufacture of pipes] Tekhnologiya proizvodstva elektrosvarnykh trub. Moskva, Metallurgiya, 1967, 162 p.

PIPE MILLS—EQUIPMENT AND SUPPLIES

Selecting lubricants for hot piercing of round skelps. P.I. Chulko and others. Stal' 27 no. 3:253-255 Mr '67.

PIPE MILLS—QUALITY CONTROL

Nature of internal laps on rolled seamless steel pipes. M.A. Tarapai, A.M. Burhyga, V.I. Lapitskii. Izv. vyz. ucheb. zav. Chern. met. 10 no. 3 84-90 '67.

PIPELAYING MACHINERY

Method of mechanized building of drainage ditch crossings with small-diameter concrete pipes. V.A. Eryshov and others. Trol. prom. 44 no. 2-4-6 '67.

PIPELINES

Device for cutting into operational pipelines. S.I. Penkin. Energetik 15 no. 1:20-21 Ja '67.

Multiplicity of foam formation during the motion of a chemical foam in hose lines and steel pipes. F.A. Bogdanovich. Izv. vyz. ucheb. zav., energ. 10 no. 4 88-84 Ap '67.

Study of the placement of heat pipes with sand-concrete filling. B.V. Lepalin, M.I. Kulazova, I.U.A. Malkov. Izv. vyz. ucheb. zav., energ. 10 no. 3 63-67 Mr '67.

PIPELINES—CATHODIC PROTECTION

Device for vacuum impregnation of transformer coils of network cathodic stations. E.A. Nikitenko. Transp. i khran. nef't i nef'teprod. no. 3:36-37 '67.

Universal automatic cathodic station for protecting petroleum and gas pipelines from underground corrosion. R.M. Gasanly. Izv. vyz. ucheb. zav., nef't i gaz 10 no. 2, 96 '67.

PIPELINES—FLUID DYNAMICS

Experimental studies of relation between resistance coefficient and Reynolds number in sudden expansion of flow. A.D. P'tshul', D.S. Izumakov, R.E. Veziryan. Nef't, khor. 45 no. 4 54-55 Ap '67.

PIPERIDINIUM COMPOUNDS—THERAPEUTIC USE

Dimékolin treatment of hypertension. I.M. Korotkin. Sov. med. 27 no. 8:89-93 Ag '63.

PIPERIDINOL

Synthesis and study of the steric structure of some 4-piperidones and 4-piperidinoles. B.A. Arbuzov, G.G. Butenko, A.N. Vereshchagin. Dokl. AN SSSR 172 no. 6 1323-1326 F '67.

Synthesis and transformations of 1,2,5-trimethyl-4-(3-dialkylaminopropyl-1-yl)-4-piperidols. I.N. Azeibaev, T.G. Sarbaev, K.B. Erzhayev. Izv. AN Kazakh SSR Ser. khim. 17 no. 2 79-82 Mr-Apr '67.

PIPERIDONE

Synthesis and study of the steric structure of some 4-piperidones and 4-piperidinoles. B.A. Arbuzov, G.G. Butenko, A.N. Vereshchagin. Dokl. AN SSSR 172 no. 6; 1323-1326 F '67.

PIPERYLENE

Alkylation of aromatic compounds by diene hydrocarbons and their chlorides. Part 14. α , γ -dimethylallylation of cisols and their ethers by piperylene in the presence of anhydrous orthophosphoric acid. F.A. Vdovtsova, A.G. Kakhaiyov, V.V. Molisev. Zhur. org. khim. 3 no. 4:701-708 Ap '67.

PISTON RINGS

Cold rolling of rectangular sections for piston rings in hard-to-form steels. I.K. Lazarev. Stal' 27 no. 3:246-249 Mr '67.

PISTONS—TESTING

Stand for testing sealing action of cylinder-piston pair of mud pumps. I.A.S. Mikitychay, G.R. Ioannesian. Mash. i nef't. obr. no. 2:28-30 '67.

PITUITARY BODY

Adrenocorticotrophic hormone content in hypophyses of rats of different age. L.N. Blak. Uch. zap. KHGU 131 75-79 '62.

Comparative analysis of seasonal changes in cytological structure of the adenohypophysis in Pekin and wild ducks. L.S. Feliks. TSU. 1 gen. 1 no. 2:73-77 Mr-Apr '67.

PITUITARY BODY—BLOOD SUPPLY

Ultrastructure of capillaries of the neurohypophysis. I.G. Akmaev, I. Hamory. Dokl. AN SSSR 173 no. 3:689-691 Mr '67.

PITUITARY BODY—EXCISION

(see Hypophysectomy)

PITUITARY BODY—INNERVATION

Innervation of human hypophysis under pathological conditions. H.B. Akhmetov, B.H. Khomenko. Dop. AN URSS. Ser. B 29 no. 3:250-262 Mr '67.

PITUITARY BODY—SURGERY

Effect of hypophysectomy on the growth of transplantable tumor (strain CRM 1). T.P. Evgenova, E.A. Ivanova. Vop. onk. 13 no. 3:63-66 '67.

PITUITARY HORMONES

Age-related changes in phosphagen content in normal nucleos and following injection of thyrotropic hormone. V.N. Nikitin, T.V. Ivanenko. Uch. zap. KHGU 131 141-146 '62.

PLACENTA

Clinical course of toxoplasmosis and the morphological picture of the placental tissue. Kh.M. Medzhidova-Mamedova. Azerb. med. zhur. 44 no. 4:54-60 Ap '67.

PLACER DEPOSITS

(see also subdivision under Soviet Far East)

Increased assay of native gold in its passage to a placer deposit. N.M. Davidenko. Geol. i geofiz. no. 12:116-117 '66.

PLAGUE—MICROBIOLOGY

Effect of polysaccharide of *Bacillus multilaginosus* in experimental plague and anthrax infections. E.I. Milovskii, S.M. Rasmudov. Antibiotiki 12 no. 4:324-328 Ap '67.

Fatty acid composition of lipids in plague microbes. E.K. Alimova, E.A. Boikova. Biokhimiya 32 no. 2:210-222 Mr-Apr '67.

PLANARIA

Conditioned reflexes in Balkan Planaria. M. K. following injection of ribonucleic acid. Zhur. vyz. nef't. i nef'teprod. 17 no. 2:359-361 Mr-Apr '67.

Effect of X rays on restorative processes in planaria. A.G. Semenov-Tian-Shanskii. Arkh. anat. i embri. 52 no. 4 34-38 Ap '67.

PLANARIIDAE

(see subdivision under Balkan, Lake)

PLANETS—OBSERVATIONS

Observations of the sun and planets with the telescope circle at the Pulkovo Observatory. G.S. Kozlov. IGAO 24 no. 3 16-21 '66.

PLANETS, MINOR

Accurate photographic positions of minor planets at Pulkovo. N.M. Bronnikova and others. Izv. i teoret. astron. 10 no. 9 629-636 '66.

Accurate photographic positions of minor planets at the Cape Observatory. T.P. Kiseleva, I. P. Ileva, V.A. Sokolova. Biol. inst. teor. astron. 1: 637-644 '66.

Observations of minor planets made at the Pulkovo Astrophysical Observatory. Report No. 2. Zh. fiz. i astr. 10 no. 3:Chernykh, V.A. Shor. Biol. inst. teor. astron. 10 no. 9:615-616 '66.

PLANETS, MINOR—OBSERVATIONS

Results of the observations of minor planets at the Pulkovo Observatory. A.N. Detsch. Izv. IGAO 24 no. 3:162-166 '66.

PLANETS, MINOR—ORBITS

Improving the orbits of 41 minor planets. Biol. inst. teor. astron. 10 no. 9 575-581 '66.

PLANKTON

(see subdivision under Sverdlovsk Province; Turgoyak, Lake, Volga Delta)

PLANT BREEDING

Pustovoi, V.S. [Selected works; plant breeding, seed production, and some problems concerning the cultivation of sunflowers] Izbrannyye tudy, soobrazhaya razvitiye i nekotoryye voprosy agrokul'turnykh nauch. Moskva, Kolos, 1966, 387 p.

PLANT CELLS AND TISSUES

Comparative study of the morphology and cell division of sporogenic tissue and tapetum at the end of meiosis in microsporogenesis in *Trifolium-Agrocyne* hybrids. T.P. Glavatskaya. Dokl. AN SSSR 173 no. 5:1011-1013 Ap '67.

Effect of the ionic composition of environment on the potential of cells in *Vicia faba* anthers. T.P. Kozarian, T.S.M. Avakian, N.S. Adzhim, Zh. vyz. shkoly. biol. nauki 10 no. 3 57-59 '67.

Labeled 6-benzylaminopurine absorption by barley root segments and its distribution in cell structures. O.N. Kulakova and others. Fiziol. rast. 11 no. 2:318 Mr '67.

PLANT COMMUNITIES

(see also subdivision under Kumak Valley; On Valley; Yug Valley)

Characteristics of the formation and work of the photosynthetic apparatus in corn and soybean in artificial (dual) canopies. K.N. Zhabibov. Fiziol. rast. 11 no. 2:237-246 Mr-Apr '67.

Geophilous nature of plants and its significance in the structure of plant community, integrity of the structure of higher plants. M.V. Senianova-Koschagina. Izv. zap. LGU no. 327 7-98 '67.

PLANT COMMUNITIES—RESEARCH

Conference on the problems of the biological productivity of surface plant communities. N.P. Gurichova. Lesovedenie no. 2 89-94 '67.

PLANT CUTTINGS

Environmental conditions in rooting green cuttings under artificial fog conditions. M.P. Tarasenko, Z.A. Pikhova. Izv. TSKHA no. 1 81-97 '69.

PLANT INTRODUCTION

Konovalev, L.N. [Physiology of introduced plants. Delivered at the 16th annual V.L. Komarov reading, December 6, 1961] Fiziol. i genet. i selektsiya rasteniy. Dolozheno na shestnadtsatom ezhegodnom Komarovskom chtenii 6 dekabrya 1961 g. Leningrad, Izd-vo Akad. nauk SSSR, 1963, 61 p. (Komarovskie chteniya, 16) (NIC)

PLANT LICE

Effect of organochlorine insecticides on the biochemical processes in plants and development of aphids. I.M. Smirnova. Khim. v sel', khoz. 5 no. 4 16-18 Ap '67.

Popova, A.A. [Types of adaptations of plant lice feeding on forage plants] Tipy prispособlenii tsetk k pishche i kormovym rasteniyam. Leningrad, Nauka, 1967, 280 p.

(DNAI)

PLANT PHYSIOLOGY

Konevalov, I. N. [Physiology of introduced plants. De-
livered at the 16th annual V. L. Komarov reading, De-
cember 8, 1961] Fiziologiya introdutsiruemyykh rasteniy.
Doklady na seshnadsimom ezhegodnom Komarovskom
chenii 6 dekabr 1961 g. Leningrad, 12-vo Akad.
nauk SSSR, 1963, 61 p. (Komarovskie chleniya, 16)
(NIC)

Photosynthesis action spectra, Emerson effect and in-
duction phenomena in higher plants. F. F. Litvin, Khe-
r-Tan' [Ito I-Tan]. Fiziol. rast., 14 no. 2 219-231 Mr-Apr
'67.

Physiological role of zinc in plants. M. I. A. Shkol'nik,
T. A. Paribok, V. N. Davydova. Agrokhimia no. 5,
133-147 My '67.

[Physiology of crop plants in twelve volumes] Fiziologiya
sel'skokhozyaystvennykh rasteniy v dvadtsati tomakh.
Glav. red. B. A. Rubina dir. [Moskva] 12-vo Mosk.
univ.

Vol. 1. [Physiology of plant cells. Photosynthesis,
Respiration] Fiziologiya rastitel'noi kletki.
Fotosintez, Dykhanie. Otv. red. A. I. Oparin.
1967, 495 p.

[Problems of the physiology and biochemistry of culti-
vated plants] Voprosy fiziologii i biokhimi kul'turnykh
rasteniy. Kishinev, Shtiintsa, 1962, 2 v. in 1.
(NIC)

Some problems of developmental plant physiology. N. S.
Tutkova. Nauch. dokl. vys. shkoly, biol. nauk 10 no. 3:
139-148 '67.

PLANT PHYSIOLOGY—CONGRESSES

First Conference on Problems of Plant Apomixis. M. I.
Zaitseva. Nauch. dokl. vys. shkoly, biol. nauk 10 no. 3
151-152 '67.

PLANT QUARANTINE see subdivision under Karakh-
stan

PLANT REGULATORS see Growth inhibiting substances,
Growth promoting substances

PLANTERS (AGRICULTURAL MACHINERY)

Planters for sowing on small plots. A. Babich. Zet. i
masl. kul't. 2 no. 5:16-18 '67.

The SSSR-20 planter for sowing mint rhizome and
planting fertilizers. L. I. Rogochi. Sot. rab. po
masl. i fitromaslu, kul't. no. 1:69-73 '66.

Selecting the optimal thickness of the feeding layer of a
planter for mint rhizome. V. I. Tsarenko. Trakt. i
sel'khoz. mash. no. 4:22-23 Ap '67.

PLANTS—CHEMICAL ANALYSIS

Chemical study of Anabaena cylindrica L. seeds. Kh. A.
Aslanov, S. Z. Mukhomedzhanov, A. S. Sadykov. Nauch.
trudy TashGU no. 206 Khim. nauk 10 no. 16:71-75 '66.

Effect of organochlorine insecticides on the direction of
biochemical processes in plants and development of
aphids. I. M. Smirnova. Khim. v sel', khuz., 5 no. 1
16-18 Ap '67.

Effect of total content of sample on the intensity of the
studying elements in spectral analysis of plants and
soils. T. P. Borovik-Romanova, I. F. Grifol'skaya.
Agrokhimia no. 5:126-129 My '67.

Present and future studies of plants containing Anacardi-
um. I. I. Blazynova. Trudy Bot. inst. Sci. 5
no. 12:13-24 '65.

PLANTS—DISEASE AND PEST RESISTANCE

Vsesoyuznoye soveshchanie po immunitetu sel'skokhozyayst-
vennykh rasteniy, zh. Kishinev, 1965. [Work results
of the 4th All-Union Conference on the Immunity of Farm
Plants] Ruk. raboty. Kishinev.
Pra, 2-3, 1966, 2 v.
(DNAL)

PLANTS—EFFECT ON ZINC see Zinc, Effect of
plants on

PLANTS—FROST RESISTANCE

Effect of atmospheric gases on frost resistance of winter
wheat. Z. G. Rakhina. Fiziol. rast., 14 no. 2:328-336
Mr-Apr '67.

Variation in the activity of some oxidative enzymes in
wheat shoots hardened to low temperatures. A. F. Sy-
soev, T. S. Krasnaya. Dokl. AN SSSR 173 no. 2:472-471
Mr '67.

PLANTS—METABOLISM

Effect of leaf rust on metabolism of wheat. V. P. Nilova,
N. G. Stepanova. Trudy VIZR no. 13:185-182 '60.

Effect of 2, 4-D combined with foliar feeding on the uptake
and exchange of nitrogen and phosphorus substances by
monocotyledonous and dicotyledonous plants. N. I. A.
Nekrasov, G. F. Tsimbal. [Trudy] KISHKH 57:10-17
'66.

PLANTS—NUTRITION

Change in phosphorus and nitrogen exchange in plants
caused by various conditions of phosphorus nutrition.
M. M. Blazhuk. Vest. AN BSSR, Ser. sel'sk. nauch. na-
v. no. 1:29-34 '67.

Effect of 2, 4-D on the uptake and utilization of nutrients
by plants of various systematic groups. F. V. Ikhlova.
Khim. v sel', khuz., 5 no. 4:31-35 Ap '67.

Role of nutrition of winter wheat plants on development
of leaf rust. G. N. Egorova. Trudy VIZR no. 13:57-61
'68.

Symposium on the use of isotopes in plant nutrition
studies. N. V. Ostravina. Fiziol. rast., 14 no. 2:384-
386 Mr-Apr '67.

PLANTS—RESPIRATION

Changes in the activity of the respiratory enzymes of corn
under the effect of the irrigation of phenol containing
sewage waters. V. I. Ponomarev, I. A. Prokushina
[Trudy] KISHKH 57:92-95 '66.

PLANTS, EFFECT OF AMMONIUM MOLYBDATES ON

Use of ammonium molybdate in growing apple rootstock.
V. M. Kolontar'. Khim. v sel', khuz., 5 no. 1:14-15
Ap '67.

PLANTS, EFFECT OF CALCIUM ON

Importance of the ratio of potassium and calcium in
growing winter wheat. L. V. Mosolova. Agrokhimia
no. 5:61-65 My '67.

PLANTS, EFFECT OF CHLORINE ON

Effect of trace elements on chlorine uptake in plants.
N. P. Ivanov. Dokl. AN SSSR 11 no. 3:263-267 Mr '67

PLANTS, EFFECT OF COBALT ON

Effect of cobalt on characteristics, water-storing capacity
and transpiration of potato leaves. I. V. Gaid'ko.
Nauch. dokl. vys. shkoly, biol. nauk 10 no. 3:84-87 '67.

Effect of cobalt on chlorophyll accumulation, photo-
synthesis intensity, and yield of buckwheat. H. M.
Semina. Nauch. dokl. vys. shkoly, biol. nauk 10 no. 3
80-83 '67.

PLANTS, EFFECT OF GAMMA RAYS ON

Effect of Cob60 gamma rays on protein changes in bean
seeds. P. A. Vlasov and others. Dop. AN URSS, Ser. B
29 no. 4:368-372 Ap '67.

Effect of dose rate of Cob60 gamma rays on the survival
of some Dematiaceae species. N. N. Zhdanova, G. N.
Plankov. Izv. AN SSSR, Ser. biol. no. 4:136-142
My-Je '67.

Effect of gamma rays and ethylenimine on diploid and
tetraploid rye. A. K. Safin, V. E. Demchenko, B. O.
Levinso. Dop. AN URSS no. 10:1360-1363 '67.

PLANTS, EFFECT OF GASES ON

Effect of atmospheric gases on frost resistance of winter
wheat. Z. G. Rakhina. Fiziol. rast., 14 no. 2:328-336
Mr-Apr '67.

Role of oxygen replacing gas in quantitative study of oxygen
effect. V. P. Paribok, E. I. Genter. Dokl. AN SSSR 166
no. 6:1416-1418 D '65.

PLANTS, EFFECT OF IODINE ON

Effect of iodine-containing micro-fertilizers on sugar
dynamics in plants. Sh. Kuliev, K. Gasanova, Z. Mame-
dova. Dokl. AN Azerb. SSR 22 no. 12:67-70 '66.

PLANTS, EFFECT OF LIGHT ON

Construction of a model of photoperiodic reaction in
plants. B. S. Moshkov, S. L. Pimplanskaya, L. I. A.
Tukhatskaya. Dokl. AN SSSR 173 no. 4:983-986 Ap '67.

Effect of blue, red and green light on protein, nucleic
acid and chlorophyll content in young barley plant. N. P.
Voskresenskaya, L. P. Nachayeva. Fiziol. rast., 14
no. 2:269-268 Mr-Apr '67.

Effect of heteroauxin on the formation of organic acids
in sunflower leaves under various illumination conditions.
A. A. Zemlinukhin, V. I. Zviagintsev. Fiziol. rast., 14
no. 2:264-270 Mr-Apr '67.

Effect of the intensity of light conditions and the age
of leaves on the plastid pigment content of tea leaves.
N. I. Adashvili. Subtrop. kult., no. 4:78-84 '66.

Lindane penetration into plants of various photoperiodic
groups and its biological activity in relation to light bal-
ance. G. A. Odumova-Dumayeva. Fiziol. rast., 14
no. 2:282-291 Mr-Apr '67.

Morphogenesis in longer Agrostis alba shoots in relation
to light intensity. G. P. Sereva. Zop. Sverd. old. VBO
no. 4:131-136 '66.

PLANTS, EFFECT OF MINERALS ON

Effect of mineral organic compounds, applied together
with seeds and separately, on cotton and alfalfa yield.
S. R. Zhdanov. Urh. zap. AGU, Ser. biol. nauk no. 1:
70-81 '61.

PLANTS, EFFECT OF MOLYBDENUM ON

Effect of molybdenum on the development of legumes.
I. A. Malonova. Agrokhimia no. 4:160-162 Ap '67.

PLANTS, EFFECT OF NEUTRONS ON

Useful barley mutants obtained by bombarding seeds with
thermal neutrons. A. Pradencou, Cl. Grinvald, Gene-
lika no. 3:49-54 Mr '67.

PLANTS, EFFECT OF NITRATES ON

Dynamics of nitro-containing substances in growing
and aging corn coleoptiles. E. E. Khavkin, E. V. Toka-
reva, N. N. Varakina. Dokl. AN SSSR 173 no. 3:711-714
Mr '67.

Excretion and reduction of nitrates by corn roots in root
anaerobiosis. G. M. Grigova, F. G. Karimova. Fiziol.
rast., 14 no. 2:247-256 Mr-Apr '67.

Physiological activity of malha- and para- nitrophenyl-
chloromethyl carbinols and their nitrogen esters. I. G.
Khaskin, G. N. Tsybul'skaya. Fiziol. rast., 14 no. 2
359-360 Mr-Apr '67.

PLANTS, EFFECT OF NITROGEN ON

Characteristics of protein metabolism and the growth
of root as related to the change of nitrogen nutrition.
N. S. Danilova. Agrokhimia no. 5:130-36 My '67.

Determining the nitrogen nutrition of spring wheat in
Lukatsk Province. V. N. Kudearov, I. N. Rynka.
Agrokhimia no. 4:113-21 Ap '67.

Use of various nitrogen forms in amino acid synthesis in
leaves of potatoes of different age. Z. G. Il'inykh. Zap.
Sverd. old. VBO no. 4:29-36 '66.

PLANTS, EFFECT OF PHOSPHORUS ON

Change in phosphorus and nitrogen exchange in plants
caused by various conditions of phosphorus nutrition.
M. M. Blazhuk. Vest. AN BSSR, Ser. sel'sk. nauch. na-
v. no. 1:29-34 '67.

Comparative effectiveness of various forms of phosphorus
fertilizers for vegetables. M. G. Shikhov. Agrokhi-
mia no. 4:31-37 Ap '67.

Disorder of nitrogen metabolism in pumpkin plants in
phosphorus deficiency. T. N. Chernavskaya, O. F.
Tueva. Agrokhimia no. 5:20-20 My '67.

Effect of gypsum-type salinity and fertilizers on the
growth, yield, and the accumulation of phosphorus in
cotton leaves. I. M. Dzhamaeva. Agrokhimia no. 5:
99-95 My '67.

Effect of phosphorus fertilizers on the growth and
development of the root system in spring wheat. T. A.
Baidin. Vest. sel'khoz. nauk [Kazakh.] 9 no. 12:20-33
D '66.

PLANTS, EFFECT OF PEOLINE ACID ON

Herbicidal activity and the synthesis of picloram and
some other 2-picoline derivatives. I. U. V. Shcheglov
and others. Agrokhimia no. 5:185-186 My '67.

PLANTS, EFFECT OF POTASSIUM ON

Importance of the ratio of potassium and calcium in
growing winter wheat. L. V. Mosolova. Agrokhimia
no. 5:61-65 My '67.

Role of foliar potassium feeding in protecting wheat
from leaf rust. E. F. Kravaya. Trudy VIZR no. 13:62-63
'68.

PLANTS, EFFECT OF RADIATION ON

Lysikov, V. N. [The use of ionizing radiation and some
chemical substances in the formation of basic material
for corn breeding] Ispol'zovanie ioniziruyushchikh
izlucheni i nekotorykh khimicheskikh veshchestv dlya
formirovani iskhodnogo materiala pri selektsii ku-
kuruzy. Kishinev, Karita Moldoventseke, 1966. 153 p.
(DNAL)

Studying amitoz and binuclear cells in cotton subjected
to the action of ionized radiation and electrical impulses.
I. U. M. Agayev, R. A. Rakhmanova. Dokl. AN Azerb. SSR
22 no. 11:61-65 '66.

PLANTS, EFFECT OF SALTS ON

Common salt as means for controlling wheat rusts. O. N.
Votchishina. Trudy VIZR no. 13:64-67 '68.

Effect and after-effect of high osmotic concentrations of
NaCl and dextan on horse bean plants. L. P. Lapina.
Fiziol. rast., 14 no. 2:310-327 Mr-Apr '67.

Effect of the ionic composition of environment on resting
potential of cells in Vicia faba Adams cotyled. G. F.
Kazarian, T. S. Ayvazian, N. S. Adzhian. Nauch. dokl.
vys. shkoly, biol. nauk 10 no. 3:57-59 '67.

Increase in heat resistance of wheat sprouts by seed treat-
ment with aluminum and cobalt salt solutions. M. I. A.
Shkol'nik, V. P. Bozhenko, T. S. Momot. Dokl. AN SSSR
165 no. 6:1147-1149 D '65.

PLANTS, EFFECT OF TEMPERATURE ON

Concept of organogenetic layer in relation with its tempera-
ture and salt temperature. V. P. Dmitrenko. Trudy
UkrNIGMI no. 58:65-70 '66.

Effect of some elements of thermal conditions on the grow-
ing conditions of grain crops. L. I. Sakali, A. P. Solodov-
nikova. Trudy UkrNIGMI no. 58:71-83 '66.

Increase in heat resistance of wheat sprouts by seed treat-
ment with aluminum and cobalt salt solutions. M. I. A.
Shkol'nik, V. P. Bozhenko, T. S. Momot. Dokl. AN SSSR
165 no. 6:1147-1149 D '65.

Role of negative temperatures on increasing the frost
resistance of citrus plants. T. S. Sulakdzio. Subtrop.
kult., no. 4:18-25 '66.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of boron and molybdenum on pollen germination
in Cyclamen persicum Mill. N. N. Demont'eva. Zap.
Sverd. old. VBO no. 4:129-131 '66.

Effect of trace elements on chlorine uptake in plants.
N. P. Ivanov. Dokl. AN SSSR 11 no. 3:263-267 Mr '67.
Effect of trace elements on the yield and quality of
potatoes. E. I. Mintina. Agrokhimia no. 4:91-94
Ap '67.

PLANTS, EFFECT OF TRIAZINE ON

Effect of triazine on the dynamics of soluble carbo-
hydrates in mustard plant. A. A. Timofeeva. Agrokhi-
mia no. 1:123-124 Ap '67.

- PLANTS, EFFECT OF 2,4-D ON**
Effect of 2,4-D on the uptake and utilization of nutrients by plants of various systematic groups. P. V. Fikhtel'skiy. Khim. i sel'sk. khoz. 5 no. 4 11-13 Ap '67.
- PLANTS, EFFECT OF X RAYS ON**
Effect of replacing gas in quantitative study of oxygen effect. V. P. Paribok, E. I. Gencik. Dokl. AN SSSR 165 no. 6 1416-1418 D '63.
- PLANTS, EFFECT OF ZINC ON**
Effectiveness of zinc in the prophylaxis and therapy of rosette disease of apple in Ulyanovsk Province. V. M. Tatarsky. Izv. TSUHA no. 1 98-109 '66.
- PLANTS, EFFECT OF ZINC SULFATE ON**
Effectiveness of zinc sulfate in growing apple rosette stock. V. M. Kolontayev, Agrophizika no. 4 95-99 Ap '67.
- PLANTS, FLOWERING OF**
Biology of flowering and cytology of sterile Morus multicaulis variety A. V. Stokova. Nauch. trudy TashGU no. 291 111-116 '66.
Some characteristics of flowering of dioecious and monoecious forms of hemp hybrids and their parents. A. I. Pelypenko. TSU. Igen. no. 2 37-53 Miu -Ap '67.
- PLANTS, CASES IN**
Anatomomorphological structure of woody plant leaves in relation to their gas resistance. V. S. Nikolaevskii. Zap. Sverd. otd. VBO no. 4 115-120 '66.
- PLANTS, PROTECTION OF**
(see also subdivision under Dzhanbul Province; Kazakhstan; Tselinograd Province)
Exploit. Only three remain of them. V. E. Savdzary. Zashch. rast. 12 no. 4 20-21 '67.
Key to large crops. G. S. Cherkovets, T. D. Glebovskii, V. A. Mischenko. Zashch. rast. 12 no. 4 18 '67.
Life's work. O. N. Leonov. Zashch. rast. 12 no. 4 19 '67.
- PLANTS, PROTECTION OF—RESEARCH** see subdivision under Kazakhstan
- PLANTS, SPACE ARRANGEMENT OF**
Effect of the density of lemon trees on the intensity of photosynthesis as related to their frost resistance. V. E. Mikhaylov. Subtrop. kull. no. 4 32-35 '66.
Nutrition of pine in stands of various density of plantations. T. N. Sudnitsyna. Lesovedenie no. 2 67-73 '67.
- PLANTS, SUGARS IN**
Effect of iodine-containing microfertilizers on sugar dynamics in plants. Sh. Kuliev, K. Gasanova, Z. Mamadova. Dokl. AN Azerb. SSR 22 no. 12 67-70 '66.
- PLASMA (IONIZED GASES)**
Analyzing a low-temperature cesium plasma. N. V. Volkov, I. U. Gus'kov, V. P. Pashchenko. Zhur. tekhn. fiz. 37 no. 3 501-512 Mr '67.
Anisothermal plasma flow in a flat magnetohydrodynamic channel. I. U. V. Sanochkin, S. S. Filippov. PMTF no. 6 58-62 N-D '66.
Applying a distributed system of automatic control for the stabilization of plasma objects. E. S. Pavlovskii, I. U. V. Sanochkin, Zhur. tekhn. fiz. 37 no. 5 993-995 My '67.
Calculating the kinetic reflection factor in a formula for the thermionic current from a plasma and a semiconductor. F. G. Bakich, B. I. A. Mozhes, V. A. Nemchinskii, Zhur. tekhn. fiz. 37 no. 4 729-742 Ap '67.
Diagnostics of plasma by a plasma beam. V. P. Chirkov. Radiotekhnika i elektronika 12 no. 2 373-374 F '67.
Dissociation of nitrogen in glow discharge plasma. V. I. Svetsov, A. I. Maksimov, G. P. Dobinskova. Khim. vys. energ. 1 no. 2 171-176 Mr -Ap '67.
Drift instability of a discharge plasma with oscillating electrons. L. A. Dushin, I. U. K. Kuznetsov, O. S. Pavlichenko. Zhur. tekhn. fiz. 37 no. 5 811-815 My '67.
Effect of the azimuthal plasma inhomogeneity in a homopolar. E. M. Drobyshchinskii, S. I. Rozov, A. M. Stadenkov. Zhur. tekhn. fiz. 37 no. 5 979-983 My '67.
Evaluating the conductivity of a high density low-temperature (U - I)-plasma. I. P. Kudin. Atom. energ. 22 no. 4 265-271 Ap '67.
Excitation of ionic sound by helicon. G. I. Suramishvili. Zhur. tekhn. fiz. 37 no. 4 797-801 Ap '67.
Excitation of surface plasma waves by a charge moving parallel to the metal - vacuum interface. G. A. Baglasyan. Fiz. met. i metalloidy. 23
- alyberdin. Samoleto-
'66.
a layer of trans-
K. S. Karpluk, S. M.
'65-659
ran, S. S.
ily '67.
'upper
'72 67-
na.
no. 4:
-
p
- Nonlinear phenomena in the operation of a titanium plasma source. E. D. Andrukhina, I. S. Shpigol'. Zhur. tekhn. fiz. 37 no. 5 894-893 My '67.
Population of hydrogen levels in a pulse recombination plasma. I. L. Gudzenko, A. T. Matashin, L. A. Shelepun. Zhur. tekhn. fiz. 37 no. 5 833-835 My '67.
Radial diffusion of charged particles and the effectiveness of an ion source with electron oscillations in a magnetic field. M. D. Gubovich. Zhur. tekhn. fiz. 37 no. 5 885-893 My '67.
Single pulse of a longitudinal wave in a plasma. V. B. Krasovitskiy. Zhur. tekhn. fiz. 37 no. 3 493-497 Mr '67.
Stability of a plasma in short traps. V. V. Arsenin, Zhur. tekhn. fiz. 37 no. 4 614-623 Ap '67.
Stability of a rarefied plasma in short traps. V. V. Arsenin, Dokl. AN SSSR 165 no. 6 1269-1272 D '65.
Steady state of a plasma in a strong superhigh frequency field. R. Klitka. Zhur. tekhn. fiz. 37 no. 3 581-588 Mr '67.
Study of a plasma generated in a magnetic trap by an ultrahigh-frequency field. A. I. Anisimov and others. Zhur. tekhn. fiz. 37 no. 1 680-690 Ap '67.
Studying a plasma produced by a superhigh frequency field with the use of electron cyclotron resonance. Part I. Absorption of superhigh frequency power. V. N. Budnikov and others. Zhur. tekhn. fiz. 37 no. 5 831-860 My '67.
Studying a plasma produced by a superhigh frequency field with the use of electron cyclotron resonance. Part 2. Equilibrium of charged particles in a plasma. V. N. Budnikov, M. I. Vinogradov, V. E. Golant. Zhur. tekhn. fiz. 37 no. 5 861-867 My '67.
Studying the current layer and plasma acceleration in a coaxial plasma gun. A. A. Kalmikov and others. Zhur. tekhn. fiz. 37 no. 5 877-887 My '67.
Studying the dielectric constant of a plasma moving through a transverse magnetic field. I. I. Demidenko and others. Zhur. tekhn. fiz. 37 no. 3 498-503 Mr '67.
Thermal insulation of a plasma in "Tozamak" units. I. A. Aizel'movich and others. Atom. energ. 22 no. 4 259-264 Ap '67.
- PLASMA (IONIZED GASES)—CONGRESSES**
Symposium on Collective Processes in a Plasma (Tbilisi, June 20-25, 1966). D. D. Klutov, S. D. Fanchenko. Atom. energ. 22 no. 3 243-245 Mr '67.
- PLASMA (IONIZED GASES)—DENSITY**
Effect of turbulence on the accuracy in determining plasma density by "cut-off" of a superhigh frequency signal. A. I. Kisliakov, M. M. Lashinov, V. V. Rozhdavenskii. Zhur. tekhn. fiz. 37 no. 3 584-587 Mr '67.
Studying the capture of a plasma in a closed trap. B. P. Litko, E. M. Iatsko, V. M. Zalkind. Zhur. tekhn. fiz. 37 no. 5 868-872 My '67.
- PLASMA (IONIZED GASES)—OPTICAL PROPERTIES**
Allowing for a partial overlapping of lines in determining the optical thickness of a plasma layer by the linear absorption method. I. V. Lukosueva. Izv. vys. ucheb. zav., fiz. 10 no. 2 88-91 '67.
- PLASMA (IONIZED GASES)—THERMAL PROPERTIES**
Determining the intensity of specific heat fluxes to the surface in jets of a high-frequency electrodeless plasmatron in the air. S. V. Kononov, M. I. Akushin. PMTF no. 6 67-68 N-D '66.
- PLASMA OSCILLATIONS**
Ion-cyclotron plasma instability in a strong high-frequency field. V. P. Silin. Zhur. tekhn. fiz. 37 no. 5 991-993 My '67.
Nonlinear generation of plasma waves by a bundle of transverse waves. Part 3. Zhur. tekhn. fiz. 37 no. 4 589-601 Ap '67.
Nonlinear theory of longitudinal waves in a plasma. N. S. Ropalov, N. A. Khizhniak. Zhur. tekhn. fiz. 37 no. 3 471-480 Mr '67.
Oscillations of a cylindrical volume of inhomogeneous plasma. V. V. Arsenin. Zhur. tekhn. fiz. 37 no. 4 597-613 Ap '67.
Theory of nonlinear oscillations of an electron plasma. I. M. Gel'fand and others. Zhur. vych. mat. i mal. fiz. 7 no. 2 322-347 Mr -Ap '67.
Theory of surface waves in a plasma. I. U. R. Atanaskan, Zhur. tekhn. fiz. 37 no. 5 817-821 My '67.
Unstable waves and plasma waves in the region of the lower hybrid frequency. I. U. N. Dnestrovskii, D. P. Kostomarov, A. A. Chechina. Zhur. tekhn. fiz. 37 no. 3 440-446 Mr '67.
- PLASMOIDS**
Interaction between magnetized plasmoids and a "magnetic barrier". I. U. S. Azovskii, I. T. Gushovskii, V. M. Pistrak. Zhur. tekhn. fiz. 37 no. 4 601-605 Ap '67.
Modeling the escape of gaseous jets by means of plasmoids. B. G. Eskin, M. A. Miller, B. K. Polukhtov. Zhur. tekhn. fiz. 37 no. 5 987-989 My '67.
- PLASTEN**
Kinetics and plasten formation products in enzymatic protein hydrolysis. A. I. Shul'mina, N. V. Afanas'ev. Dokl. AN SSSR 172 no. 6 1443-1444 F '67.
- PLASTE BEARINGS**
Polymer materials for sliding bearings. A. D. Kuritsyna. Vest. mashinost., 47 no. 4 40-44 Ap '67.
- PLASTIC FILMS, EFFECT OF RADIATION ON**
Comparative study of the aging process of polymers under the influence of ultraviolet and ionizing rays. L. P. Anova, R. S. Maslovskaya, A. B. Taubman. Izv. kras. mat. i khim. no. 2 66-67 '67.
- PLASTIC FILMS, EFFECT OF TEMPERATURE ON**
Method of determining the minimal temperature and duration of film formation in the production of cast from powdered polymers. A. D. Iakovlev, V. G. Evstigneev. Lakokras. mat. i khim. no. 2 66-67 '67.
- PLASTIC FOAMS**
Fitting devices made of plastic foams. A. R. I. Mashinostroi. no. 4 6 Ap '67.
- PLASTIC SURGERY** see Surgery, Plastic
- PLASTICITY**
Crack in a longitudinal shift with an infinitely narrow plastic zone. B. V. Kostrov, L. V. Nikitin. Fiz. i mekh. 31 no. 2 334-336 Mr -Ap '67.
The dissipative function in the theory of hardening plastic media. D. D. Ivlev. Fiz. i mekh. 31 no. 2 346-348 Mr -Ap '67.
Plasticity of filamentary cadmium and zinc crystals. M. V. Zakharova and others. Fiz. i mekh. 31 no. 2 349-350 Mr -Ap '67.
- PLASTICIZATION**
Study of the plasticization of a polymer of chloroprene latex L-7 to increase the frost resistance of latex products. R. L. Vol'chenko and others. Kauch. i rez. 3 no. 1 13-17 '67.
- PLASTICIZERS**
Synthesis of esters (plasticizers) based on synthetic acids. B. K. Zeinalov, R. M. Aliev. Dokl. AN Azerb. SSR 22 no. 11 26-28 '66.
- PLASTICS**
Chemical apparatus made from bionics. S. I. Sviridov, A. N. Levin. Khim. i nef. mashinost., no. 5 1-2 My '65.
- PLASTICS CUTTING**
Cutting glass reinforced textile with diamond wheels. N. G. Mamontov. Mashinostroi. no. 4 30-31 Ap '67.
- PLASTICS IN INDUSTRY**
Manufacturing foundry equipment of plastics on a resin base. A. Kudutkov, K. Svat. no. 3 54-65 '63.
- PLASTICS IN THE CHEMICAL INDUSTRIES**
Testing and installing apparatus and pipes made of glass plastics. V. T. Kopylov. Khim. prom. 43 no. 4 61-62 Ap '67.
- PLASTICS IN THE MINING INDUSTRY**
Making plastic parts for automatic mine control devices. V. V. Balandin, V. P. Buldugov, B. I. Bukhteyev. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 1 no. 4 16-7 Ap '67.
- PLASTICS IN THE TEXTILE INDUSTRY**
Shuttles from "caproplastics". A. K. Aliev, M. S. Sarkisyan. Tekst. prom. 27 no. 4 44-45 Ap '67.
- PLASTICS IN WINE MAKING**
Thurin, S. T., and others. [Use of synthetic materials in the wine making industry]. Plimenenie sinteticheskikh materialov v vinodel'cheskoi promyshlennosti. Moskva, Plachevala promyshl., 1966. 173 p.
- PLATE TOWERS**
Adsorption of nitrogen oxides on the sieve plate. V. V. Tselin, I. U. V. Lender. Ukr. khim. zhur. 33 no. 3 311-327 '67.
Bubbling hydrodynamics of immiscible liquids on grid trays. M. D. Aevov, T. A. Bystrava, N. I. Zolotareva. Zhur. prikl. khim. 34 no. 4 815-821 Ap '61.
Collecting highly dispersed aerosol in plate columns by the method of condensation enlargement. A. M. Rozov, V. M. Kostin. Khim. prom. 43 no. 2 63-65 F '67.
Comparison of diffusional and sectional models of the bubble plate by statistical characteristics. I. U. K. Molokanov. Khim. i tekhn. topl. i masel. 12 no. 4 33-37 Ap '67.
Hydrodynamics and mass transfer at a tangential jet plate. I. P. Slohodanik, L. L. Troianov. Izv. vys. ucheb. zav., fiz. i mekh. 31 no. 2 152-155 '67.
Interface and mass transfer in bubble reactors. V. A. Men'shchikov, M. E. Aerov, S. S. Trainina. Khim. i tekhn. topl. i masel. 12 no. 4 14-16 Ap '67.
Mass transfer in the rectification of ethanol (methanol)-water mixtures in a column with sieve plates. V. A. Ivanov, A. N. Planovskii, A. A. Baraev. Khim. prom. 43 no. 5 85-88 My '67.
Multiple die for punching slits in capsule bubble caps. K. M. Korotun. Khim. i nef. mashinost., no. 5 43 My '65.
Studying the work of bubbling columns with high layers of liquids. M. E. Aerov, V. A. Men'shchikov, S. S. Trainina. Khim. prom. 43 no. 2 69-73 F '67.
Use of columns with sieve-plates for liquid extraction. E. I. A. Susnov and others. Khim. prom. 43 no. 2 65-69 F '67.

POLYMERS (Continued)

Synthesis and some properties of coordinated polymers based on bis-(p-(2-hydroxypropionyloxy)-phenyl) oxide and bis-(p-(2-hydroxypropionyloxy)-phenyl) and bivalent metals V. V. Kershaev, M. S. Mirkamilova, N. I. Bekasova Vysokom soed Ser B 9 no. 164-66 Ja '67

Synthesis and use of heat-resistant aliphatic-aromatic polymers V. S. Glukhovskoi, I. I. Tikhonov, I. U. P. Chepuranov Lakokras mal. i khim. no. 2:1-1 '67

Synthesis of aromatic polyimides on the basis of dianhydride of 3,3',4,4'-benzophenonetetracarboxylic acid N. A. Adrova, M. M. Kotlov, L. P. Ivanova Vysokom soed Ser B 9 no. 122-23 Ja '67

POLYMERS—DENSITY

Using "electron probe" method for determining the density of polymers E. G. Moiseva, E. P. Egorov, Teoret. i ekspr. khim. 3 no. 1:131-134 Ja-F '67

POLYMERS—TESTING

Breaking elongations as dependent on stress in the study of the long time strength of polymers A. T. Sanzharovskii and others Dokl. AN SSSR 173 no. 3:630-640 Mr '67

POLYMERS, EFFECT OF RADIATION ON

Polarographic study of changes taking place in polymers under the effect of radiations E. K. Saltyuk, L. L. Nagornaya, V. D. Bezuglyi Izdatokhkhim 9 no. 2:221-225 '67

POLYMERS, HIGH see Macromolecular compounds

POLYNOMIALS

Asymptotic polynomials and the solution of certain problems in applied analysis I. I. Etkin Uch. zap. Kab.-Balk gos. un. no. 13:122-130 '61

Frequency of readings in uniform discrete transformation V. G. Dolotov, Izv. vys. ucheb. zav., radiofiz. 10 no. 3:429-432 '67

The problem of G. Szegő's polynomials V. A. Fil'shin-eva, Izv. funk. anal. i khim. fiz. no. 3:61-72 '66

Some properties of the extremal sequence of regular monotone polynomials G. A. Sogomonova Dokl. AN SSSR 173 no. 5:1014-1016 Ap '67

POLYPLOIDY

Polyploidy in forest trees F. L. Shepotev, TSU. i gen. 1 no. 2:27-31 Mr-Apr '67

Polyploidy in leafy moss evolution A. S. Lazarenko, TSU. i gen. 1 no. 2:15-20 Mr-Apr '67

POLYSACCHARIDES

Macropolysaccharides of the endothelium of arterial main vessels in rat extremities in ontogeny, a histochemical and autoradiographic study V. I. Malink TSU. i gen. 1 no. 2:66-72 Mr-Apr '67

Quantitative study of acid mucopolysaccharides of the articular appendage in rheumatism M. G. Revzin, Arkh. pat. 29 no. 4:24-29 '67

Role of myoepithelial cells in histogenesis of so-called mixed salivary gland tumors V. O. Iosava, Soob. AN Gruz. SSR 15 no. 2:510-524 F '67

Stoichiometry of the polysaccharide hydrolysis reaction A. E. Lushchuk, Sborn. trud. NIICSS 15:147-155 '66

POLYSACCHARIDES—PHYSIOLOGICAL EFFECT

Effect of polysaccharide of Haemophilus mucilaginosus in experimental plague and anthrax infections I. I. Milevskii, S. M. Rassudov Antibiotiki 12 no. 1:324-328 Ap '67

POLYSACCHARIDES—THERAPEUTIC USE

Biologically active polysaccharides from Amecobastidium pullulans N. P. Filinov and others Antibiotiki 12 no. 4:328-333 Ap '67

POLYUDOV RANGE—LANDFORMS

History of the formation of relief of interfluvies in Polyudov Range I. U. V. Shurubor. Dokl. AN SSSR 172 no. 6:1400-1411 F '67

POMERANCHUK, ISAAK IAKOV LEVICH, 1913-1966

In memory of Academician I. A. Pomeranchuk, Atom. energ. 22 no. 3:insert Mr '67

PONTOONS

Experience in assembling pontoon in operating tank N. V. Strokin, Transp. i Murn. nefit i nefteprod. no. 3:31-35 '67

POPULAR see subdivision under Kazakhstan

POPULAR FRONTS

Historical experience of the national front and our time E. Ambartsumov, Kommunist 44 no. 7:103-113 My '67

POPULATION

Basic problems in studying the geography of the population of capitalist and underdeveloped countries V. V. Pokshishchevskii, Vop. geog. no. 7:143-59 '66

[Geography of the population] Geografika naseleniya, Moskva, (Materialy Moskovskogo filiala Geograficheskogo obshchestva SSSR) No. 1. 1967. 40 p.

Principal changes in the population geography of the U.S.S.R. during the last decades (according to the data of the all-Union population census of 1959), A. A. Mints, Vop. geog. no. 7:14-19 '66

POPULISM (NARODNICHESTVO)

Historiography of the "Cheyni poredki" Group, E. R. Otkhovskii, Ist. SSSR no. 2:63-81 Mr-Apr '67

PORCELAIN

Porcelain-fence wares from perlite-containing materials I. G. Khtzanishvili, G. G. Gapiadashvili Soob. AN Gruz. SSR 45 no. 2:397-402 F '67

PORK

Effect of vegetable seeds on the chemical and physico-chemical indicators of pork L. Dzhkova, Mts. ind., SSSR 38 no. 1:36-39 Ap '67

POROSITY

Characteristics of advance of water in producing layers in flooding Vygodin pool in Dolina oil field V. P. Vasilcheko Razrab. nefit i gaz mest. no. 1:31-34 '65

Effect of pelitic fraction on reservoir properties of rocks A. L. Pugach, V. I. Savchenko, Geol. nefit i gaz. 11 no. 3:29-32 Mr '67

Studying gas-liquid phase transition in porous medium B. A. Reitskii, L. T. Slush Nauch. i tekhn. sbor. po dokh. nefit. no. 30:61-66 '66

Unusually intensive porosity development in the Al-Cu alloy V. A. Pavskaya, I. U. Paskin, K. V. Savitskii Fiz. met. i metallurg. 23 no. 4:739-740 Ap '67

POROUS MATERIALS

Capillary hysteresis in porous media. Part 1: Mechanism of the removal of liquid from the medium. Method of calculation V. F. Pastushenko, V. S. Markin, I. U. A. Chizmadzev, Elektrokhimika 3 no. 2:184-192 '67

Capillary hysteresis in porous media. Part 2: Calculation of secondary capillary equilibrium V. F. Pastushenko, V. S. Markin, I. U. A. Chizmadzev, Elektrokhimika 3 no. 2:189-198 Ap '67

Preparing porous products of chromium carbide with the use of volatile fillers V. K. Vititskiy, V. B. Ordenko Porosh. met. 7 no. 4:31-37 Ap '67

POROUS MATERIALS—PERMEABILITY

Capillary impregnation of porous body models A. N. Braslavskii, Zhur. prikl. khim. 31 no. 4:800-805 Ap '61

POROUS MATERIALS—SPECTRA

Effect of degree of porosity of a ceramic metal material on the relative intensity of spectral lines of certain elements O. I. Fushchik, A. S. Dem'yanchuk Porosh. met. 7 no. 4:61-64 Ap '67

PORPHINE

Spectral investigation of photovoltaic effect in films of tetraphenylporphine on polarized electrodes E. K. Putaiko, Dokl. AN SSSR 165 no. 5:1410-1422 D '65

PORPHYRY—ANALYSIS see subdivision under Zoirevskan Range

PORSINEV, VLADIMIR

Stars over the hills V. Lukashovich, Sov. voim 49 no. 7:20-21 Ap '67

PORTAL VEIN—DISEASES

Maznev, P. N., V. P. Shishkin, and I. M. Pylytsov, [Atlas of X-ray diagnosis of diseases of vessels of the portal system] Atlas radiodiagnostiki zabolevaniy sosudov vorotnoi sistemy, Moskva, Meditsina, 1966. 136 p. (DNLM)

PORTAL VEIN—RADIOGRAPHY see Splenoportography

PORTHAIT PAINTING

Pavlov, V. V. [Egyptian portraits of the 1st-4th centuries] Egiptskii portret I-IV vekov, Moskva, Iskusstvo, 1967. 86 p. 82 plates, (Iz istorii mirovogo iskusstva)

PORTUGAL—COLONIES—AFRICA see Africa—Portuguese colonies

PORTUGAL—COMMUNIST PARTY

At the very edge of Europe, N. Mar. Mol. komm. no. 3:98-104 '67

PORTUGUESE NEWSPAPERS

A word creates alarm, N. Mar. Zhurnalst no. 3:62-63 Mr '67

POSITRONIUM

Positronium atom in solids E. P. Prekop'ev Fiz. iver. tela 9 no. 4:1266-1268 Ap '67

POSITRONS

Injection and accumulation of positrons V. L. Auslander and others Atom. energ. 22 no. 3:208-210 Mr '67

POSTAGE STAMPS see subdivision under India

POSTAL SERVICE—MECHANIZATION

Nosov, G. A. [Mechanization of postal service] Mekhanizatsiya predpriyatiy pochtovoi aviazii, Moskva, Svyaz', 1967. 255 p.

POSTAVY DISTRICT—AGRICULTURE

So that land would be fertile K. Klykovskii Zemledelie 29 no. 4:8-10 Ap '67

POSTOPERATIVE CARE

Clinical use of some methods to improve healing of clean postoperative wounds T. Kh. Kutushev and others Khirurgia 13 no. 4:20-24 Ap '67

Treatment of postoperative complications in increased pressure chambers A. P. Kolesov and others Khirurgia 43 no. 1:3-7 Ap '67

Use of antimicrobial cellulose tissues in surgical practice N. S. Plotkina, I. S. Iarmolinskii, A. D. Vitrnik Khirurgia 43 no. 4:50-52 Ap '67

POSTURE

Effect of prolonged stay in mean physiological rest state on human adaptation to vertical position I. U. V. Vaniushina, N. I. Pankova Pat. fiziol. i eksp. terap. 11 no. 2:21-26 Mr-Apr '67

POTASSIUM—EFFECT ON PLANTS see Plants, Effect of potassium on

POTASSIUM BENZOATE

System carbamide - potassium benzoate - water at 25°, 40°, and 60°C. S. I. Sukhova, I. G. Druzhinin, S. D. Beskov Zhur. neorg. khim. 12 no. 3:805-808 Mr '67

POTASSIUM CARBONATES

Feasibility diagram of the system KO₂ - K₂CO₃ A. B. P'sentsepor, T. I. Rogozhnikova, Izv. AN SSSR Ser. khim. no. 3:700-702 Mr '67

POTASSIUM CHLORIDE—ELECTRIC PROPERTIES

N-type conductivity of KCl containing metal impurities V. F. Pisenko Uch. zap. Kab.-Balk gos. un. no. 13:130-135 '61

POTASSIUM CHLORIDE CRYSTALS

Photoemission from additively colored KCl crystals A. N. Arsen'eva-Gelli, A. D. Kashkat, B. A. Kazenov Fiz. iver. tela 9 no. 4:1260-1270 Ap '67

POTASSIUM DICHROMATE

Crystalline structure of potassium dichromate K₂Cr₂O₇ (lopecite) E. A. Kuz'min, V. V. Iltukhin, N. V. Belov Dokl. AN SSSR 173 no. 5:1069-1071 Ap '67

POTASSIUM FERROCYANIDE

Reaction of zinc and barium sulfates with potassium ferrocyanide in aqueous solutions N. F. Savenko, I. A. Sheka, Ukr. khim. zhur. 33 no. 3:235-240 '67

POTASSIUM IN THE BODY

Cardio- and hemodynamics in hyperkalemia created under conditions of an intact organism V. S. Sal'monovich, Pat. fiziol. i eksp. terap. 11 no. 2:49-55 Mr-Apr '67

Inclusion of potassium-45 into brain sections following traumatic shock developing under various functional states of the central nervous system V. A. Shul'ga, Trudy On. old. Vses. fiziol. ob-va no. 3:228-232 '64

POTASSIUM IODIDE—ELECTRIC PROPERTIES

Conductance of aluminum sulfate and potassium iodide in methanol N. Pitskhalava, Trudy Tbil. GU 74:93-101 '59

POTASSIUM NITRATE

Solubility polytherm of the ternary system water - potassium nitrate - monoammonium phosphate A. G. Beigman, L. V. Opredelenkov, A. D. Druzev, Ukr. khim. zhur. 33 no. 3:255-267 '67

POTASSIUM OXIDES

Feasibility diagram of the system KO₂ - K₂CO₃ A. B. P'sentsepor, T. I. Rogozhnikova, Izv. AN SSSR Ser. khim. no. 3:700-702 Mr '67

POTASSIUM PHOSPHATES

Solubility polytherm of the system disubstituted potassium phosphate - urea - water A. D. Druzev, A. G. Beigman, Ukr. khim. zhur. 33 no. 2:151-153 '67

POTASSIUM SALTS

Five, M. P. [Methods of prospecting for potassium salts] Metodika poiskov kaliynykh soloi, Oty. red. A. L. Iashin, Novosibirsk, Nauka, 1967. 38 p.

POTASSIUM SILICATES

Determination of hydrolysis of sodium silicate and calculation of dissociation constants of silicic acid at increased temperatures B. N. Ryzhenko, Geokhimiya no. 2:161-169 F '67

Hydrogen bonding in acid potassium metasilicate G. P. Stavitskaya, I. A. Ryskin, N. A. Mitropolskii, Teoret. i ekspr. khim. 3 no. 1:125-128 Ja-F '67

POTASSIUM SULFATES, EFFECT OF RADIATION ON

Nature of radiation damage in irradiated samples of potassium sulfate V. V. Gromov, L. G. Kanasova, Khim. vys. energ. 1 no. 1:51-57 Ja-F '67

POTATO PRODUCTS—DRYING

Study of convective and radiation drying of the semi-finished product in the production of potato crackers V. N. Zaletskii, I. A. Z. Shragovtch, I. M. Shugalo, Kons. i ov. pam. no. 1:35-36 Ap '67

PRECISION CASTING

Precision casting shop at "Kuznetskiy" Machinery Manufacturing Plant, L. Gritko and others. Trudy NIPIPT-MASHI no. 151-159 '63.

PREGNANCY

Duration of the pregnancy period in crossing cattle with zebu R. A. Selimov. Trudy UINIZH 11 no. 4-149-150 '69.

PREGNANCY, COMPLICATIONS OF

Pregnancy and labor in atonemgny L. V. Vanina, N. I. Roshkina, G. A. Shilova. Sov. med. 39 no. 3 126-129 Mr '67.

PREHISTORIC MAN

 see Man, Prehistoric

PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)

Vinogradov, I. V., G. I. Kocharov, and N. A. Selivanov. [Expert evidence in preliminary investigation] Ekspertizy na predvashel'nom sledstviy. Izd. 2., perer. i dop. Moskva, Urid. lit-ra, 1967, 247 p.

PRESCHOOL EDUCATION

 see Education, Preschool

PRESSING OF GARMENTS

Sectional lower cushion for simultaneous pressing of five seams. I. A. Turovskiy. Shveln. prom. no. 2: 24-25 Mr-Apr '67.

PRESSURE

Analyzing new methods of determining pressure during rolling on blooming mills. V. A. Tokarev, V. L. Pavlov. Nauch. trudy Dnepr inst. obr. met. 21, 260-286 '65.

Certain problems in compacting peat mass with reduced moisture content. N. T. Tsybaev. Trudy Kal. inzh. inst. no. 10: 147-156 '69.

Determining bottom-hole pressure during hydraulic fracturing. N. N. Nakhiev, P. I. Denisov. Neftprom. delo no. 4: 31-31 '67.

Effect of increased pressures on performance of individual parts of electric drills. E. M. Hurchak, P. A. Zil'ber. Mash. i elekt. obr. no. 2: 23-28 '67.

Effect of various factors on differential pressure changes in well testing using formation testers. V. A. Kolokol'tsov, R. S. Lopyov, K. G. Khamzin. Neftprom. delo no. 1: 23-26 '67.

Investigating internal pressures under low pressing forces. M. V. Mal'kov, A. N. Nikitayev. Porosh. met. 7 no. 4 13-19 Ap '67.

Methodology of calculating inner pressure of casing. A. V. Tyshchenko, A. A. Fedotov. Razrab. nef. i gaz. mest. no. 1: 24-27 '65.

PRESSURE—MEASUREMENT

Adaptation for measuring gas pressure. P. M. Kholzhakov, V. G. Isachenko, A. V. Baranov. Bezop. truda v prom. 10 no. 10: 41 Q '66.

PRESTRESSED CONCRETE PRODUCTS

Stresses in concrete in the self-anchoring zone of prestressed reinforcement bars in reinforced concrete structures. G. D. Gachchhidze. Trudy GIPi Gruz. no. 2: 61-67 '64.

PRILUKI OIL FIELD—PETROLEUM—ANALYSE

Trace elements in crude oils from Priluki oil field. V. O. Kravushkin, S. B. Kazakov. Dop. AN URSR. Ser. B 29 no. 4: 311-314 Ap '67.

PRILUKI OIL FIELD—TRACE ELEMENTS

Trace elements in crude oils from Priluki oil field. V. O. Kravushkin, S. B. Kazakov. Dop. AN URSR. Ser. B 29 no. 4: 311-314 Ap '67.

PRIMARY EDUCATION

 see Education, Primary

PRINTING PLATES—CLEANING

Mechanized cleaning of printing plates by elastic grinding wheels. A. I. Ilyuzuk, S. M. Poshchanskii, B. D. Sorokin. Mekh. i avtom. protv. 21 no. 4: 11-12 '67.

PRINTS, IAKOV IVANOVICH, 1891-1966

IA, I. Prints; an obituary. Fil. i literat. nael. no. 2: 3-4 '66.

PRIPET RIVER—COPEPODA

Copepod crustaceans (Crustacea, Copepoda) in the Pripet River and its tributaries. V. I. Monchenko. Dop. AN URSR. Ser. B 29 no. 3: 273-277 Mr '67.

PRIPET VALLEY—EARTH TEMPERATURE

Role of salt formations and underground waters in the thermal regime of the Pripet graben. G. V. Bogomolov, L. A. Tsybulia. Dokl. AN BSSR 11 no. 3: 253-256 Mr '67.

PRIPET VALLEY—EXCAVATIONS (ARCHAEOLOGY)

Buzanskyi, Anin. [The Pripet River and its tributaries; a geographical and archaeological study on the old waterways between the Black Sea and the Baltic] Ruka Pryp'iat' ta li doplyvy; stari vodni shliakhy mizh doricchiem Chornoho moria i Baltikom (geografichno-arkheologichna studija). Winnipeg, 1966, 39 p. (Winnipeg, Ukrainian Research Institute of Volyn. Proceedings, no. 15)

PRISMS

Effective use of crystal geometry for the cutting of polarization prisms from Iceland spar. A. V. Shustov. Opt.-mekh. prom. 31 no. 3: 44-48 Mr '67.

Prisms from Iceland spar. A. I. Sizharov. Opt.-mekh. prom. 34 no. 3: 58 Mr '67.

PRISONS

Tomasevich, F. A. [Public prosecutors' supervision of the observance of laws in places of detention] Pokukorshki nadzor za sobludennom zakonosti v mestakh lisshnia svobody. Saratov, Privolzhskoe knizhnoe izd-vo, 1966, 48 p. (CSI-II)

PROBABILITIES

Determination of the confidence range of a function in the treatment of the results of an experiment. V. I. Chyetaev, V. I. Migal'. Avtomatyka 12 no. 2: 53-57 Mr-Apr '67.

[Determination of statistical hypotheses at like values of X^2] Diskriminatsiya statisticheskikh gipotez pri blizkikh znacheniyakh X^2 . [By] I. M. Kazarinov i dr. [Dubna, 1967] 17 p.

Existence of some baryon and meson unitary multiplets. L. P. Kovskiy, V. V. Kuklin, Nguyen-Thi-Hong. IAD. fiz. 5 no. 4: 801-804 Ap '67.

Explicit extrapolation formulas for some probability processes. S. V. Grigor'ov. Uch. zap. Kaz. un. 125 no. 5: 109-109 '65.

Karvel'shvi, N. A. [Theory of probability processes in hydrology and regulation of streamflow] Teoriya veroyatnostnykh protsessov v gidrologii i regulirovani rechnogo stoka. Leningrad, Gidrometeorologicheskoe izd-vo, 1967, 200 p.

Logical probability and inductive inferences. G. I. Ruza-vin. Vop. filos. 21 no. 1: 106-118 '67.

Machine transformation of probability sequences. R. G. Bukharov. Uch. zap. Kaz. un. 125 no. 6: 21-33 '65.

Probabilities in the description of perturbation effects. P. M. Maslovskiy, V. F. Ervashenko. Izv. vuz. ucheb. zav., Chernom. 10 no. 4: 159-166 '67.

Some problems affecting the determination of time characteristics in graphic planning with random estimates of the duration of the operations. A. P. Polezhaev. Zhur. vych. mat. i mat. fiz. 7 no. 2: 460-466 '67.

PROBATION

Forms and methods of the rehabilitation of probationers. M. Ponedelkov. Sov. iust. 31 no. 7: 24-25 Ap '67.

PROBLEM OF MANY BODIES

Problem of many bodies and direct nuclear reactions. Vector functions in the problem of three bodies. L. D. Blokhintsev, P. I. Dolinskii. IAD. fiz. 5 no. 4: 757-809 Ap '67.

PRODUCTION ENGINEERING

 see subdivision under Lvov

PRODUCTION STANDARDS

(see also subdivision under Alma-Ata Province; Germany, East)

Establishing norms is a composite part of scientific labor organization. V. Lifshits, I. Shapito. Sots. iust. 12 no. 5: 120-128 My '67.

PRODUCTION STANDARDS—RESEARCH

Norm research in 1966-1970. S. Semchenkevich. Sots. iust. 12 no. 5: 129-132 My '67.

PROFIT

An account is open for profits. N. Gavrilov, V. Ponezha. Sov. shkoln. 16 no. 3: 3 Mr '67.

PROGRAMMED INSTRUCTION

A class of programmed instruction. V. N. Danilenko, V. M. Innov. Sred. spets. obr. 11 no. 3: 20-21 Mr '67.

Differential teaching and information feedback in the work with first graders. K. I. U. Horina, K. M. Zolina. Rad. shk. 45 no. 4: 80-84 Ap '67.

Feedback relation in the resident training of the groups of correspondence students. I. I. Grigor'ev, E. E. Volynets. Sred. spets. obr. 13 no. 10: 39-40 Q '66.

A programmed quiz by use of the luminescent method. V. S. Penturina. Sred. spets. obr. 13 no. 10: 39-39 Q '66.

Shecherbaev, I. U., A. D. Poleshchuk, and M. T. But'. [Programmed instruction in vocational and technical schools] Programmirovannoe obuchenie v professional'no-tekhnicheskikh uchilishchakh. Moskva, Vysshaya shkola, 1967, 80 p.

Statistical knowledge check with the help of technical aids. E. L. Bolkin, A. I. Bukal, A. I. Sukachov. Vych. sred. shkola 10 no. 2: 71-73 Mr-Apr '67.

Theory and practice of programmed instruction. What is a programmed textbook? L. N. Sanzharov, and others. Vest. vuz. shkoly 25 no. 3: 11-18 Mr '67.

Use of programmed instruction and knowledge check in physics classes. D. N. Rumina, N. V. Minishki, A. M. Frankin. Sred. spets. obr. 14 no. 3: 21-25 Mr '67.

PROGRAMMING (ELECTRONIC COMPUTERS)

[Determining frequencies and shapes of natural vibration of 10 systems] Opredelenie chastot i form soblivenykh sterzhaevykh sistem. Moskva, 1966, 21 p. (Biblioteka program dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 20)

Leites, S. D. [Determining free length of a compressed two-stage stand with elastically clamped two ends and linear mobility of the upper ends] Opredelenie svobodnoy dliny szhatoi dvukh'larusnoi stoitki s odnim zashchemlenym i drugim sharnirno-opertym ili zashchemlennym kon-tsom. Moskva, 1966, 5 p. (Biblioteka program dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 19)

Leites, S. D. [Determining free length of compressed two-stage stand having one end clamped and the other hinged or clamped] Opredelenie svobodnoy dliny szhatoi dvukh'larusnoi stoitki s odnim zashchemlenym i drugim sharnirno-opertym ili zashchemlennym kon-tsom. Moskva, 1966, 5 p. (Biblioteka program dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 20)

Leites, S. D., and A. G. Razdol'skii. [States of equilibrium of an eccentrically compressed elastoplastic rod with rectangular cross section] Ravnovesnye sostoyaniya vnesentimno szhatogo uprugoplasticheskogo sterzhnia s pramoougol'nym sечением. Moskva, 1966, 8 p. (Biblioteka program dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 24)

Leites, S. D., and I. S. Sol'skii. [Determining free length of the elements of a compressed stepped stand having $n \leq 10$. Moskva, 1966, 4 p. (Biblioteka program dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 21)

Leites, S. D. [Large displacements of an eccentrically compressed elastic rod] Bol'shie peremeshcheniya vsentrenno szhatogo uprugogo sterzhnia. Moskva, 1966, 6 p. (Biblioteka program dlia EVM. 1. Inzhenerno-tekhnicheskii razdel, no. 23)

Zukhovitskii, S. I., and L. I. Avdeeva. [Linear and convex programming] Lineinai i vypukloe programmirovaniye. Izd. 2., perer. i dop. Moskva, Nauka, 1967, 460 p. (Ekonomiko-matematicheskaya biblioteka)

PROGRAMMING (MATHEMATICS)

Adequate condition of existence and singularity of solution of a principal functional equation in dynamic programming. IA, I. Zakhotin. Uch. zap. Kaz. un. 125 no. 6: 87-91 '65.

Infinite-dimensional analog of problems of nonconvex programming. V. I. Arkhin. Kibernetika no. 2: 87-93 Mr-Apr '67.

Monotone programming. S. A. Kas'yanuk, B. M. Kucher. Dop. AN URSR. Ser. A 29 no. 1: 18-21 Ja '67.

Reduction of a variety of minimax problems to a problem of mathematical programming with integral or partial integral variables. I. U. G. Zeller. Avtom. i telemek. no. 4: 168-170 Ap '67.

Rumiantseva, Z. P. [Mathematical methods in planning civil aeronautics] Matematicheskie metody v planirovani grazhdanskoi aviatsii. Moskva, Transport, 1967, 180 p.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTER)

Instructions for LIA-PAS programming system. M. IA, Tsvetkov. Vych. sist. no. 25: 67-116 '66.

Supplementary operations of the first order for LIA-PAS language. A. D. Zakrevskii. Vych. sist. no. 25: 66-66 '66.

PROJECTION—MEASUREMENT

Measuring section of projections obtained by a flat ray beam. A. E. Serzhanov. Shit. nach. rab. Belorus. tekhn. inst. Ser. obshchestven. no. 3: 75-80 '66.

PROJECTIVE GEOMETRY

 see Geometry, Projective

PROJECTORS

Device for remote control of a filmstrip projector. O. I. Zakharenko. Rad. shk. 45 no. 1: 103-104 Ap '67.

PROLETARIY (NOVGOROD PROVINCE)—GLASSWORKERS

Decisive word should belong to the collective. I. Belin. Sov. profsoyuzy 23 no. 5: 13-14 Mr '67.

PROMEDOL

Analgesic properties of promedol and tranquilizer mixtures. A. B. Leitman. Farm. i toks. 30 no. 2: 14-148 Mr-Apr '67.

PROPAGANDA, RUSSIAN

 see subdivision under Germany, West

PROPANE

Corrosive properties of solubilized solution of sulfonal. V. E. Gubin, A. A. Emkov. Transp. i khim. nef. i neftprom. no. 3: 5-7 '67.

Interaction of triethyl phosphite with isopropyl iodide and tert-butyl chloride at high pressures. M. G. Gontberg, I. Z. Fainshteyn. Izv. AN SSSR. Ser. khim. no. 1: 531-538 Mr '67.

Pyrolysis of propane and n-butane in the presence of so organic substances added. I. U. N. Usov and others. Z. prikl. khim. 34 no. 4: 943-946 Ap '61.

PROTOZOA, PATHOGENIC

Parasitic protozoans of *Eucyba domoica* from Northern District, V.V. Shul'gin, Dop. AN URSSR no. 1, 112-113 '66.

PRUT RIVER—POWER UTILIZATION

Prospects for overall utilization of water resources of the Prut River basin, V.I. Zerkov, E.F. Pavlov, *Energ. i elektr.* no. 133-136 Jan-Feb '67.

PSEUDARTHROSES

Restorative operations in pseudarthroses and defects of tibial diaphysis, O.N. Gudushauri, N.P. Ivanova, O.A. Ushakov, *Ortop., travmatol. i prot.* 26 no. 4 7-7 Apr '67.

PSEUDOMONAS

Biologically active polysaccharides from *Amoebidium pullans*, N.P. Clinov and others, *Antibiotiki* 12 no. 4:328-333 Apr '67.

PSKEM VALLEY—GRANITE—ANALYSIS

Some geochemical characteristics of granitoids of Ikh-nachekly intrusive and rocks enclosing it, S.A. Abzalov, *Nauch. trudy TashGU* no. 273 63-71 '66.

PSKEM VALLEY—GNEISEN—ANALYSIS

Mineral composition of gneiss from upper part of Pskem basin (western Tien Shan), V.B. Shuvalov, *Nauch. trudy TashGU* no. 273 52-56 '66.

PSKOV—ARCHITECTURE

Felis, L.N. [Pogankin Mansion] Pogankiny palaty, [Leningrad] Lenizdat, 1966, 22 p. (Turistu o Pskove.)

PSKOV, LAKE—FISHERIES—RESEARCH

[Hydrobiology and fishing industry of Lake Pskov-Pelpus] *Gidrobiologiya i rybnoe khoz. i khoz. Pskovsko-Chudskogo ozero*, Tallinn, Valgus, 1966, 334 p. (Gidrobiologicheskoe issledovanie, 4.)

PSKOV PROVINCE—POTATOES

Effect of trace elements on the yield and quality of potatoes, E.I. Mtnina, *Agroklimatika* no. 4 61-91 Apr '67.

PSYCHIATRY

(See also subdivision under Uzbekistan)

Clinical or organizational problems in psychogenic diseases, I.I. Ivanov, *Voen.-med. zhur.* no. 3:27-29 Mar '67.

Place of psychiatry in the classification system of natural and medical sciences. Correlation of social hygiene and mental hygiene, B. Dmitriyev, *Zhur. nevrolog. i psikh.* 67 no. 4:613-618 '67.

Psychiatric service in the R.S.F.S.R. during 50 years, D.D. Fedotov, *Zhur. nevrolog. i psikh.* 67 no. 4:599-601 '67.

PSYCHIATRY—BIBLIOGRAPHY see Bibliography—Psychiatry

PSYCHOLOGY

Petrovskii, A.V. [History of Soviet psychology; formation of the foundations of the science of psychology] *Istoriia sovetskoi psikhologii; formirovaniye osnov psikhologicheskoi nauki*, Moskva, Prosveshchenie, 1967, 308 p.

The science of psychology and consciousness, K. Platonov, *Mol. komm.* no. 2 79-82 '67.

PSYCHOLOGY—CONGRESSES

Development of personality, M. Neimark, *Doshk. vosp.* 40 no. 4:27-30 '67.

The 18th International Congress of Psychologists, A.R. Luria, *Nauch. dokl. vuz. shkoly, filoz. nauki* 10 no. 2 173-176 '67.

PSYCHOLOGY, APPLIED

At the plant the psychologist's opinion is taken into consideration, M. Ponomarev, *Sots. i trud* 12 no. 5: 70-72 May '67.

PSYCHOLOGY, MILITARY

Psychological training of servicemen, M. Korobelnikov, *Komm. Vooruzh. Sil* 48 no. 8:62-67 Apr '67.

PSYCHOLOGY, RELIGIOUS

Critical evaluation of the psychological apologetics of religion, M.A. Popova, *Nauch. dokl. vuz. shkoly, filoz. nauki* 10 no. 2 133-140 '67.

PSYCHOTHERAPY

Psychotherapy under atherogenic conditions caused by brucellosis, A.I. Boldyrev, *Sov. med.* 27 no. 8:126-130 Apr '63.

PUBLIC CONTRACTS

Shelestov, V.S. [Business contracts, concepts, forms. Summary of lectures for students of Kharkov Law Institute] *Khoz. i prav. nauki*, Kharkov, 1965, 41 p. (CST-II)

PUBLIC HEALTH

Bogatyrev, I.D., ed. [Morbidity of urban population and the norms of therapeutic and prophylactic acid] *Zabolevayemost' gorodskogo naseleniya i normativy lechenno-profilakticheskoi pomoshchi*, Moskva, Meditsina, 1967, 486 p.

Continued progress in medical service and health protection for the workers, *Zhur. ush.* nos. 1-6:1-20 no. 2 3-7 Apr '66.

Golitsyn, V. Belonov, *Agitator* no. 1:58 Jan '62.

The "Health" television journal, I. Malets, E. Orlova, *Sov. radio i tel.* 9 no. 4 35 '60.

Organization and development of public health in the first years of Soviet power; 1917-1921, B.M. Potulov, *Voen.-med. zhur.* no. 3 62-63 Mar '67.

Soviet public health service in the period of restoration of the national economy (1921-1925), *Azerb. med. zhur.* 11 no. 4:3-7 Apr '67.

Unsolved problem of health protection of the people in capitalist countries, S.I.A. Chiklin, *Sov. med.* 27 no. 8 143-146 Apr '63.

V.I. Lenin on the protection of the workers' health, M.N. Novitskiy, *Pyt. nat. i kom.* no. 1 158-161 '66.

PUBLIC PROSECUTORS

(See also subdivision under Kharkov Province; Lvov Province; Odessa; Ukraine)

How public prosecutors supervise the observance of laws, *Sots. zakon*, no. 3 84-85 Mar '67.

How public prosecutors supervise the observance of laws, *Sots. zakon*, no. 4 80-85 Apr '67.

In the Office of the Public Prosecutor of the U.S.S.R., *Sots. zakon*, no. 3:91-92 Mar '67.

In the offices of public prosecutors and supreme courts of the Union Republics, *Sots. zakon*, no. 4 77-79 Apr '67.

Our experience in the struggle against crime, V. Tsarev, *Sots. zakon*, no. 1:32-35 Apr '67.

Tomashevich, F.A. [Public prosecutors' supervision of the observance of laws in places of detention] *Pokunoi i skil nadzor za sobludeniem zakonosti v mestakh liusheniya svobody*, Saratov, Privolzhskoe knizhnoe izd-vo, 1966, 49 p. (CST-II)

PUBLIC SPEAKING—STUDY AND TEACHING

Teaching the art of public speaking, G.P. Morozov, *Vest. vuz. shkoly* 25 no. 3 56-59 Mar '67.

PUBLISHERS AND PUBLISHING

(See also subdivision under Germany, East)

An annotation in the book, A. Rabkin, *Knizh. tovg.* 18 no. 1 31 Apr '67.

The publisher and life, D. Shitakov, *Agitator* no. 1:61-62 Jan '62.

The technical books of the 30's, L. Rubinstein, *Knizh. tovg.* 18 no. 4 34-35 Apr '67.

We are for inventiveness, A. Zebzezeva, *Mol. komm.* no. 2 118-121 '67.

PULMONARY ARTERY—LIGATURE

Structural changes in bronchial arteries and the development of collateral circulation pathways following ligation of segmental branches of the pulmonary artery, I.U. O. Makysnyuk, *Dop. AN URSSR* no. 10 1372-1376 '65.

PULMONARY CIRCULATION

Chemoreflexes from the receptors of pulmonary vessels on the cardiovascular system, D.P. Dvornitskiy, *Istul. eksp. biol. i med.* 63 no. 4 8-11 Apr '67.

Some changes in the X-ray picture of the heart and pulmonary circulation following electric defibrillation in mitral defects, V.P. Rudakovich and others, *Vest. ient. i rad.* 12 no. 2 60-74 Mar-Apr '67.

Study of hemodynamics in the pulmonary circulation in healthy persons by means of X-ray electrocardiography, N.M. Shevtakov, *Fiziol. zhur.* 53 no. 4:408-415 Apr '67.

PULMONARY EDEMA

Use of unithal as antidote in pulmonary edema caused by intravenous introduction of silver nitrate, S.G. Romanov, *Farm. i toks.* 30 no. 2 237-238 Mar-Apr '67.

PULMONARY EMPHYSEMA see Emphysema, Pulmonary

PULMONARY HEART DISEASE see Cor pulmonale

PULSE

Characteristics of the distribution of the pulse wave in cranial vessels in pathology of the main cerebral arteries, V.M. Gabashvili, *Zhur. nevrolog. i psikh.* 67 no. 4:488-490 '67.

Dynamic control of intracranial pressure based on the observation of spontaneous pulse of the central retinal vein, M.I.A. Berdichevskii, *Zhur. nevrolog. i psikh.* 67 no. 4:529-534 '67.

PULSE CIRCUITS

Analysis of a circuit of a pulse-width converter with a parallel stage, L.A. Shpilger, *Elektronmashinost. i elektronob.* no. 4 20-25 '66.

Design of a sawtooth voltage-shaping circuit, E.M. Reshetnikov, V.P. Klimov, *Izv. vuz. ucheb. zav., elektromekh.* no. 3 295-302 Mar '67.

Regulation range of transistor pulse amplifiers, S.E. Radlin, *Izv. vuz. ucheb. zav., elektromekh.* no. 3 303-309 Mar '67.

PULSE TECHNIQUES (ELECTRONICS)

Filtering of periodic signals quantized with respect to time, E.V. Sergeev, *Geofiz. app.* no. 26 84-89 '65.

Methods for determining the amplitude and phase of periodic signals quantized with respect to time, E.V. Sergeev, *Geofiz. app.* no. 27:120-124 '66.

Phase detector for even frequencies, G.V. Abramzon, *Geofiz. app.* no. 27 115-119 '66.

Selection of the operating point of a pander used in the suppression of weak signals, V.I. Drozdov, *Radio-tekhn. i elektron.* 12 no. 2 356-357 F '67.

Sequence selection of RF pulses according to the carrier frequency, A. Litskai, *Radioelektronika* 22 no. 1 71-74 Apr '67.

Short-exposure electron timer, V.E. Grilling, V.M. Ormelin, *Geofiz. app.* no. 27 112-114 '66.

Some results in studying high-voltage pulse discharge in long pipes, V.N. Kostin, N.I. Vinogradov, V.V. Belov, *Zhur. tekhn. fiz.* 37 no. 5 871-876 May '67.

Structural networks of first-order pulse time modulators, O.M. Derzhavina, *Avtom. i telemek.* no. 4:74-79 Apr '67.

PULSE TECHNIQUES (ELECTRONICS)—HANDBOOKS, MANUALS, ETC.

Naryshkin, A.K., ed. [Calculation of pulse circuits, a textbook on a course in "Pulse techniques"] *Raschet impul'snykh skhem; uchebnoe posobie po kursu "Impul'snaya tekhnika"* (dlya studentov radioelektronicheskogo fakul'teta), [By] A.K. Naryshkin i dr., Moskva, 1966, 239 p.

PULSE TECHNIQUES (ELECTRONICS)—LABORATORY MANUALS

Danilovich, G.A., G.V. Markus, and V.T. Folkh. [Instructions on laboratory work in a course in "Pulse techniques"] *Rukovodstvo k laboratornym rabotam po kursu "Impul'snaya tekhnika"*, Pod red. G.A. Danilovicha, Moskva, 1966, 120 p.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY

Elevation of pulp and ore dressing products by pulp elevators and block pumps, S.L. Chernykh, *TS. i. i. m.* 34 no. 7:89-91 Jul '64.

Hydraulic dependencies in regulating the delivery of a piston pump by changing the delivery head of the piston, S.A. Abdurashitov, R.T. Talybade, I.U. N. Lapidin, *Za tekhn. prog.* 7 no. 1:30-32 Jan '67.

Multiple die for punching slits in capsule bubble caps, K.M. Korotun, *Khim. i nef. mashinost.* no. 5:13 May '65.

Perforated pumping automated pipeline pump unit designated for work in the open, F.M. Chernyshev, *Nef. i gaz. prom.* no. 2 18-19 Mar-Apr '67.

Work cycle of vibration pump, A.S. Virnovskii, O.E. Tsynkova, *Nef. i khov.* 13 no. 10:57-60 Oct '65.

PUMPING MACHINERY—COOLING

Cooling of pump bearings by network water from a heating network, V.A. Timinov, *Energetika* 15 no. 3 26 Mar '67.

PUMPING MACHINERY—RELIABILITY

Increasing the reliability of recirculating pipelines of the feed pumps of block systems, I.U. M. Govman, *Energetika* 15 no. 4 13-20 Apr '67.

PUMPING MACHINERY, ELECTRIC

Use of ion-exchange pumps for pumping linear electroaccelerators, I.A. Grishakov and others, *Zhur. tekhn. fiz.* 37 no. 4:696-702 Apr '67.

PUMPING MACHINERY, ELECTRIC—SAFETY MEASURES

Increasing the reliability of automatic protection systems of feed pumps of 300 mw boiler blocks, A.P. Novikov, *Energ. i elektr.* no. 1 10-12 Jan '67.

PUMPING STATIONS—SAFETY MEASURES

Electric pneumatic system of automation for controlling pumping stations, I.U. Lakshev, S. Kuchukova, *Mash. i nef. bui.* no. 1 32-35 '67.

PUNCHED CARD SYSTEMS

Long-term memory device using perforated metal cards (DZP-MK), R.I.A. Chelnak, I.U. I.I. Sal'kov, V.M. Pavlyk, *Avtomatika* 12 no. 2 81-83 Mar-Apr '67.

PUNCHED CARD SYSTEMS—AGRICULTURAL MACHINERY INDUSTRY

Sarlov, N.L., and others. [Accounting and standard calculations on electronic computers] *Uchet i normativnye raschety na elektronnykh vychislitel'nykh*, Moskva, Finansy, 1967, 150 p.

PUNCHED CARD SYSTEMS—BANKS AND BANKING see subdivision under Moscow

PUNCHED CARD SYSTEMS—FREIGHT AND FREIGHTAGE

Mechanization of original accounting for freight transportation, E.V. Petrova, *Trudy MIT* no. 73:58-64 '66.

PUNCHED CARD SYSTEMS—INDUSTRIAL MANAGEMENT

Using punched card systems in mechanizing engineering and management work, L.K. Vlasova, K.A. Nikolaev, *Mekh. i avtom. prom.* 21 no. 4:39-43 '67.

PUNCHED CARD SYSTEMS—RAILROADS

Improving the process of preparing information for transmission along communication channels to a railroad computing center. A.G. Varakuta, L.A. Titova, Trudy MIT no 235 100-114 '66.

Machine accounting for the supply of materials and equipment in railroad transportation. A Medvinskii, Bukhg. uchët 26 no.4 41-45 '67.

PUNCHING MACHINERY

Sectional die for the K866 press, L.I. Gokhfel'd, Kuz.-stam. proizv. 9 no.3:42 Mr '67.

PUNISHMENT

Decision No.2 of the plenary session of the Supreme Court of the U.S.S.R. Sov. iust. 31 no.8:26-30 Ap '67.

PURINES

Labeled 6-benzylaminopurine absorption by barley leaf segments and its distribution in cell structure fractions. O.N. Kulaseva and others. Fiziol. rast. 14 no.2:309-318 Mr-Apr '67.

PUSHKIN, ALEXANDR SERGEEVICH, 1799-1837

Plays devoted to the death of Pushkin. L. Vishnevskii, Teat. 28 no.3:36 Mr '67.

PUSHENSKIYE GORY DISTRICT—COLLECTIVE FARMS

New road. Vasilii Titov, Oklad. 38 no.6:142-151 Je '61.

PUTTY

New method for the preparation of lining putty. D.I. Fedman, T.F. Polapova, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. nauch. i tekhn. inform. 20 no.4:3-4 Ap '67.

PYATIGORSK—CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Volunteer office of capital construction. I. Kukiliev, G. Semenov. Na stol. Ros. 5 no.1:24 Ja '61.

PYATIGORSK—MINERAL WATERS—THERAPEUTIC USE

Effect of salt alkaline mineral water on the anesthetic function of the liver in animals poisoned with carbon tetrachloride. K.I. Kudnenko, Pat. fiziol. i eksp. biol. 11 no.2:71-72 Mr-Apr '67.

PYONGYANG

Marvels of the new capital. A. Krushinskii, Mol. komm. no.2:100-101 '67.

PYRAN

Alkylation of tetrahydropyran. N.I. Shukin, B.L. Lebedev, I.P. Iakovlev, Izv. AN SSSR. Ser. khim. no.3:614-648 Mr '67.

Pyran, its analogs, and related compounds. Part 25. Reaction of bromocoumarin with amines. V.A. Zagorevskii and others, Zhur. org. khim. 3 no.3:568-574 Mr '67.

Reaction of 2,6-dialkoxy- δ -3,4-dihydropyrans to glutaraldehyde monoacetals. S.M. Makin, V.M. Likhoshershtov, Zhur. org. khim. 3 no.4:740-742 Ap '67.

Synthesis and properties of dibenzo- and 3,3'-dinaphthoquymethylene bis-2-spiropyranes. A.I. Nogal'dell and others, Zhur. org. khim. 3 no.4:751-752 Ap '67.

PYRIDINE

Polymeric study of the protonation rate of pyridine and its homologs in aqueous solutions of LiCl. M.K. Polievkov, S.G. Matanovskii, Elekt. khim. 3 no.2:139-145 '67.

Thermal properties of the compounds of alkaline earth metal perchlorates with pyridine. L.I. Chudinova, Zhur. neorg. khim. 12 no.3:650-660 Mr '67.

PYRIDONDIOLE

Some tetrahydroarman derivatives. B. Abdusalimov, A.S. Sadykov, Nauch. iudy TashGU no.286 Khim. nauch. no.16:76-79 '66.

PYRIDOXINE

Content of vitamin B₆ in the blood in dogs in a late period following γ - and γ -neutron irradiation. G.N. Zgur'skaya, N.K. Evseeva, Med. rad. 12 no.4:87-88 Ap '67.

PYRIMIDINES

Hydrobromides and stable trichloroethylene complexes of 2-methyl-4-amino-5-bromomethylpyrimidine. A.M. Iukovich and others, Zhur. ob. khim. 37 no.3:642-648 Mr '67.

Separation of pyrimidine deoxyribonucleotides by DEAE-Sephadex chromatography. A.L. Mazin, B.I. Vanitsheva, Biokhimiia 32 no.2:377-387 Mr-Apr '67.

PYRINDINE

Stereo-directed synthesis of 2-perhydropyridines. M.A. Volodina, G.V. Kirushkina, A.P. Terent'ev, Dokl. AN SSSR 173 no.2:342-345 Mr '67.

PYRITES

(See also subdivision under Ural Mountains)

Genesis of sedimentary pyrites. S.K. Kropachova, Dop. AN URSSR, Ser. B. 29 no.3:203-208 Mr '67.

Pyrite oxidation during fuel spray combustion in a uniflow burner. V.G. Shchurovskii, I.I. Penzimonzh, A.L. Tseit, Trudy Inst. met. i obog. AN Kazakh SSR 19:76-87 '66.

Thermal decomposition of pyrite in vacuum and further processing of its residues. O.B. Tkachenko, A.L. Tseit, O. Kunsoltov, Trudy Inst. met. i obog. AN Kazakh SSR 19:33-58 '66.

PYROGALLOL

Pyrogallolcarboxylic complex of vanadium (IV). S.I. Shneiderman, E.P. Klimenko, Zhur. neorg. khim. 12 no.4:927-932 '67.

PYROGENS

Differences in the intravascular introduction of bacterial pyrogen and α -dinitrophenol on thermoregulation. N.A. Kalina, I.S. Repin, Biul. eksp. biol. i med. 63 no.4, 64-65 Ap '67.

PYROLYSIS

Automation of the pyrolysis process of hydrocarbon raw materials in pipe stills. M.B. Karisynov, V.A. Maichenko, Khim. tekhn. no.4:92-96 '66.

Auxiliary reactor for the pyrolysis of naphthalene. L.V. Talsman, V.G. Chernukhina, A.I. Shkudova, Khim. i tekhn. topl. i masel. 12 no.4:37-39 Ap '67.

Determination of a carbonyl group by means of pyrolysis and gas chromatography. V.M. Ncvskii and others, Izv. AN Kazakh SSR. Ser. khim. 17 no.2:27-32 Mr-Apr '67.

Pyrolysis of hydrocarbon fractions in a medium of overheated steam. L.I. Efimov and others, Khim. prom. 43 no.2:10-13 F '67.

Pyrolysis of propane and n-butane in the presence of some organic substances added. I.U. N. Uskov and others, Zhur. prikl. khim. 34 no.1:943-946 Ap '61.

PYROPHOSPHATASES

Hydrolysis of seryl pyrophosphates by inorganic pyrophosphatase of yeast. S.M. Avayeva, S.N. Kara-Murza, M.M. Botvink, Biokhimiia 32 no.2:205-209 Mr-Apr '67.

PYROPHOSPHATES

Enzymatic hydrolysis of pyrophosphatic bonds in serylpyrophosphates. S.M. Avayeva and others, Dokl. AN SSSR 172 no.6:1436-1439 F '67.

Reaction of neodymium with xylenol orange and pyrophosphate. Z.A. Sheka, E.I. Sinilavskaya, Zhur. neorg. khim. 12 no.3:650-655 Mr '67.

PYROPHOSPHORIC ACID

Isotherm (25°C) of solubility and solid phases in the system $\text{La}_2(\text{P}_2\text{O}_7)_3 - \text{H}_2\text{P}_2\text{O}_7 - \text{H}_2\text{O}$. I.V. Tanasev, V.G. Kuznetsov, V.P. Vasil'eva, Izv. AN SSSR, Neorg. mat. 3 no.1:107-113 Ja '67.

PYRROLIDINONE

Prolongation of tetracyclins and monomycin by means of aqueous solutions of polyvinyl pyrrolidone. V.A. Kochetkova, G.B. Bojengelm, F.S. Sidelnikovskaya, Antibiotiki 12 no.1:301-307 Ap '67.

PYRROLINONE

Synthesis and properties of polybenzimidazopyrrolone. E.N. Teleshov, A.N. Pravendnikov, Dokl. AN SSSR 172 no.6:1347-1349 F '67.

PYRROLOPYRIDINE

Derivatives of 7-azalindole. Part 25. Using correlation equations for the study of ionization constants of derivatives of 7-azalindole and 7-azalindoline. L.N. IAKhontov and others, Zhur. org. khim. 3 no.3:580-584 Mr '67.

PYRUVIC ACID IN THE BODY

Activity of pyruvate dehydrogenase following introduction of excess thiamine into the body. I.U. M. Ostrovskii, L.A. Makarina-Kibak, Biul. eksp. biol. i med. 63 no.3:54-55 My '67.

QUADRATIC FORMS see Forms, Quadratic

QUADRATURE FORMULA

Accurate estimates of the approximation of quadrature formulae in the integration of infinite functions. Dzh.G. Sentikidze, Soob. AN Gruz SSR 45 no.2:297-304 F '67.

QUALITY CONTROL

People's controllers. I. Bilokobyl'skiy, Rad. pravo no.5:94-95 Ap '67.

QUANTUM CHEMISTRY—CONGRESSES

Resolution of the Fourth All-Union Conference on Quantum Chemistry. Teor. i eksper. khim. 3 no.2:282-283 Mr-Apr '67.

QUANTUM ELECTRODYNAMICS

Effect of uniaxial compression on the radiative recombination of heavily doped germanium. A.A. Kasta'skii, Fiz. i tekhn. poluprov. 1 no.1:87-101 Ja '67.

Electrodynamics of two-zone superconductors. The region near the upper critical field. V.A. Moskalenko, Dokl. AN SSSR 173 no.3:548-549 Mr '67.

Multiphoton absorption of light by current carriers in a semiconductor. V.M. Bumistov, V.P. Oletnik, Fiz. i tekhn. poluprov. 1 no.1:85-96 Ja '67.

Relaxation of effective temperature of current carriers in semiconductors. M.V. Krivatsadze, Fiz. i tekhn. poluprov. 1 no.3:875-883 Mr '67.

QUANTUM ELECTRONICS

Determining the valence band structure in germanium the absorption of light. M.A. Vasil'eva, L.E. Voro, V.I. Stafeev, Fiz. i tekhn. poluprov. 1 no.1:20-33 '67.

Electron states and band-to-band optical transitions in strong electric fields in semiconductors. I.U. A. Kuz V.B. Stopachinskii, Fiz. i tekhn. poluprov. 1 no.1:1 Ja '67.

Focusing of a thermal beam of hydrogen atoms in the field of a six-pole magnet. A.I. Ivshits, Zhur. fiz. 37 no.5:906-913 My '67.

Magnetic resonance in optically oriented rubidium. V.M. Ryzhkov, G.P. Nedovodov, Gofiz. app. no.60-63 '66.

Origin of the hole conductivity of selenium. G.B. Abayev and others, Fiz. i tekhn. poluprov. 1 no.4:519 Ap '67.

Radiation recombination on the radiative structure of impurities in silicon. M.V. Bortnik, V.D. Tkachev, A. Iukhmevich, Fiz. i tekhn. poluprov. 1 no.3:353-358 Mr '67.

Recombination radiation of heavily doped germanium. A.P. Shotov, M.S. Muiashov, Fiz. i tekhn. poluprov. no.4:573-506 Ap '67.

Stabilization of betatron oscillations. O.T. Kulikov, I.U. M. Loskutov, A.S. Iakov, Izd. fiz. 5 no.4:819-819 Ap '67.

QUANTUM FIELD THEORY

Phonon drag in n-Ge in a quantized longitudinal magnetic field. N.G. Gluzman, L.M. Tsidit'kovskii, Fiz. i tekhn. poluprov. 1 no.4:522-525 Ap '67.

Polarization of nuclear spins by a hot electron stream in a quantized magnetic field. V.P. Kalashnikov, Fiz. i tekhn. poluprov. 1 no.4:1250-1252 Ap '67.

Removal of divergences from a series for the scattering matrix in quantum field theory. V.A. Shcherbina, T. funk. i anal. i kh. prikl. no.3:73-89 '68.

Thermoelectromotive force of n-InSb in a quantized magnetic field. Kh.I. Amirhanov, R.I. Bashirov, M.M. Gadzhilov, Fiz. i tekhn. poluprov. 1 no.1:26-28 Ja '67.

QUANTUM STATISTICS

Irreversible evolution of a dynamic system interacting with a statistical ensemble. A.V. Shetsov, Dokl. AN SSSR 173 no.3:550-552 Mr '67.

QUANTUM THEORY

Averages in the representation of B(t)-field. L.P. Ginzburg, Izv. vys. uchob. zav., fiz. 10 no.2:139-144 '67.

Basic rules governing the electric properties of some heterojunctions and their band schemes. M.V. Kot, L.M. Panasiuk, Fiz. i tekhn. poluprov. 1 no.2:190-202 F '67.

Calculating the deformations in nuclei by isotopic shifts. A.P. Golovin, Izd. fiz. 5 no.4:755-758 Ap '67.

Calculating the energy distribution of electrons passing through thin layers of a substance. A.F. Akkerman, I.U. G. Lutov, Fiz. i tekhn. poluprov. 1 no.3:766-771 Mr '67.

Calculation of the rates of atomic reactions at low energies. V.K. Rykhovskii, Teor. i eksper. khim. 3 no.2:191-195 Mr-Apr '67.

Collectivization of single-particle transitions in odd deformed nuclei. E.E. Berlovich, Izd. fiz. 5 no.3:560-565 Mr '67.

Collision time in nuclear reactions. V.F. Rybachenko, Izd. fiz. 5 no.3:685-687 Mr '67.

Combination resonance on holes in Ge- and Si-type semiconductors. G.L. Bir, E.I. Butikov, G.E. Plikus, Fiz. i tekhn. poluprov. 1 no.4:1068-1080 Ap '67.

Density of fluctuation levels in amorphous semiconductors. A.I. Gubanov, Fiz. i tekhn. poluprov. 1 no.3:311-322 Mr '67.

Determining the fermion stream density in vector coupling theories. V.V. Sokolov, I.B. Khriplovich, Izd. fiz. 5 no.3:644-649 Mr '67.

Development of nonlinear betatron oscillation resonance in storage devices. V.L. Auslender and others, Atom. energ. 22 no.3:179-188 Mr '67.

Double bremsstrahlung in the electron-electron scattering at an energy up to 2 x 160 Mev. P.I. Golubchitskiy and others, Atom. energ. 22 no.3:153-173 Mr '67.

Eu¹⁴⁶ decay. M.P. Avotina and others, Izd. fiz. 5 no.3:465-470 Mr '67.

Electron tunneling in superconductors. G.I. Urushadze, Fiz. i tekhn. poluprov. 1 no.1:192-194 Ap '67.

Excitation of helium - krypton mixture. V.P. Malekhov and others, Zhur. prikl. spekt. 6 no.4:445-448 Ap '67.

Excited states of deformable odd atomic nuclei. R.B. Begzhanov, B. Isakov, Sh. Sharipov, Izv. AN Uz SSR. Ser. fiz.-mat. nauk 11 no.2:57-60 '67.

Exclusion of quasi-local terms from axiomatic equations. V.D. Skarzhinskii, Izd. fiz. 5 no.4:602-607 Ap '67.

- QUANTUM THEORY (Continued)**
Filtering of periodic signals quantized with respect to time. E. V. Sergeev. *Geofiz. app.* no. 26 84-80 '65
- Hyperfine structure of the mass spectrum of elementary particles.** N. S. Akulov. *Dokl. AN SSSR* 11 no. 3:209-213 Mr '67.
- Interaction potentials of H and He atoms and H₂ molecules.** I. U. N. Belinev, V. B. Leonas. *Dokl. AN SSSR* 173 no. 2:306-308 Mr '67
- Methods for determining the amplitude and phase of periodic signal quantized with respect to time.** E. V. Sergeev. *Geofiz. app.* no. 27 120-121 '66
- A new formulation of quantum theory.** A. S. Schwarz. *Dokl. AN SSSR* 173 no. 4:793-796 Ap '67
- Nonlinear effects in ferromagnets.** V. M. Gerkin. *Fiz. tver tela* 9 no. 1:106-1108 Ap '67
- Nonlocal factorizing potential in calculations based on the shell model.** I. Sh. Vashchuk. *IAD. fiz.* 5 no. 1:771-775 Ap '67
- Nonresonance magnetic ultrasound absorption by the nuclei in metals.** B. M. Khabibullin. *Fiz. tver tela* 9 no. 4:1020-1027 Ap '67
- Onishchuk, V. A.** [Possible effect of weak interaction on the structure of molecular levels] O vozmozhnom vliyanii slabogo vzaimodeistviya na strukturu molekulyarnykh urovnei. [Dubna, 1967] 8 p.
- Oscillation amplitude of the Knight shift.** D. A. Zhogolev, D. G. Dolgoplov. *Fiz. tver tela* 9 no. 4:1256-1258 Ap '67
- Passage time of a particle through a barrier.** V. F. Rybachenko. *IAD. fiz.* 5 no. 1:895-901 Ap '67
- Population of hydrogen levels in a pulse recombination plasma.** L. I. Gudzenko, A. T. Matachun, L. A. Sholepin, Zhur. tekhn. fiz. 37 no. 5:833-835 My '67
- Propagation of oscillations of the type of a wave film of quantized thickness.** V. M. Babich, F. S. Kravtsova. *Pril. mat. i mekh.* 31 no. 2:201-210 Mr-Apr '67
- Quantum oscillations of the Norst - Edinghaus effect in n-Sb.** R. I. Bashin, M. M. Gadzhaliyev. *Fiz. i tekhn. poluprov.* 1 no. 3:442-443 Mr '67
- Quasi-classical representations of equations of relativistic quantum mechanics.** F. I. Trankl. *Uch. zap. Kab.-Balk. gos. un.* no. 13:100-102 '61
- Reactions with emission of protons, deuterons, and tritons in the photointegration of Li⁷ nucleus.** V. P. Denisov, L. A. Kulchitskiy. *IAD. fiz.* 5 no. 3:490-497 Mr '67
- Relaxation problem in the case of strong interaction.** L. N. Ginzburg. *Izv. vys. ucheb. zav. i fiz.* 10 no. 2:132-138 '67
- Remarks on L. S. Matanis' article "On the theory of intramolecular rearrangements."** M. G. Veselov. *Teor. i ekspr. khim.* 3 no. 2:278-281 Mr-Apr '67
- Resonance scattering of γ -quanta on Si²⁸, Ni⁶⁰, and Zn⁶⁶ nuclei.** R. B. Begzhanov, A. A. Ismailov. *IAD. fiz.* 5 no. 3:483-489 Mr '67
- Some characteristics of spin-lattice relaxation in Kramers systems.** I. V. Aloksandrov, K. K. Pukhov. *Fiz. tver tela* 9 no. 1:1150-1165 Ap '67
- Some effects of the drag of particles by waves.** V. E. Ilyamov, L. G. Sapozhnik. *Zhur. tekhn. fiz.* 37 no. 4:624-632 Ap '67
- Spectra of quadratic operators of secondary quantization.** I. D. Novikov. *Izv. vys. ucheb. zav. i mat.* no. 4:64-68 Ap '67
- Spontaneous recombination radiation of indium arsenide diodes.** T. I. Galkina, N. A. Perin, I. A. Rassushin. *Fiz. i tekhn. poluprov.* 1 no. 2:230-235 F '67
- Steady-state probabilities in piecewise stable stochastic processes.** I. M. Slivniak, M. Sh. Flekser. *Teor. funk., funk. anal. i kh. prilozh.* no. 1:219-224 '68
- Structure of the ground and excited states of odd deformed nuclei in the actinide region.** L. A. Malov, V. G. Solov'ev. *IAD. fiz.* 5 no. 3:566-572 Mr '67
- Theory of collective excitation in Heisenberg paramagnets.** A. I. Miltnek. *Fiz. tver tela* 9 no. 3:710-718 Mr '67
- Theory of laser radiation on band-band transitions in an extrinsic semiconductor in the case of nonconservation of quasi momentum.** V. L. Vinetskii, V. S. Vashkevich, G. I. Burilakovskii. *Fiz. i tekhn. poluprov.* 1 no. 1:54-62 Ja '67
- Theory of laser radiation on indirect transitions with the participation of current carriers.** V. S. Mashkevich. *Fiz. i tekhn. poluprov.* 1 no. 1:63-71 Ja '67
- Theory of transfer in semiconductors with degenerate valence bands.** P. Kh. Musaeov. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 11 no. 2:50-56 '67
- QUARRIES AND QUARRYING—CONGRESSES**
Problems of continuous technology in open-pit quarrying of rocks. N. P. Selnov. *Gor. zhur.* 142 no. 3:76-77 Mr '67
- QUARRIES AND QUARRYING—MANAGEMENT**
Problem of continuous technology in open-pit quarrying of rock and half rock. A. O. Spivakovskii. *Gor. zhur.* 142 no. 3:13-19 Mr '67
- QUARTZ**
(see also subdivision under Pamirs; Ural Mountains)
Electron microscopic study of synthetic quartz with a nonstructural admixture. I. P. Khadriz, V. E. Khadriz. *Dokl. AN SSSR* 172 no. 6:1321-1322 F '67
- QUARTZ CRYSTALS, EFFECT OF RADIATION ON**
Structural changes in quartz in α - β transitions. E. V. Kolontsova, I. V. Telegina. *Dokl. AN SSSR* 173 no. 5:1045-1047 Ap '67
- QUARTZITE** see subdivision under Aktash region (Samarkand Province); Altai Mountains
- QUASARS**
Comment on hydrogen density in galactic clusters. I. O. Kachenisev. *Astr. fizika* 3 no. 1:89-91 F '67
- QUESTIONNAIRES**
Creating conditions for drawing workers into public work. F. A. Batulin. *Izv. SO AN SSSR* no. 1:134-136 Ja '67
- QUESTIONS AND ANSWERS—OUTER SPACE—EXPLORATION**
Questions and answers on outer space over the radio. V. Lobanov, D. Chernikov. *Sov. radio i tel.* 9 no. 2:22-23 '60
- QUEUING THEORY**
Determination of an effective number of devices in complex queuing systems for automatic design and manufacture of components. V. P. Ershov, G. A. Spym. *Avtom. i telemek.* no. 4:94-100 Ap '67
- QUINHYDRONES**
Kinetics of electrochemical oxidation of quinhydrone in mixtures of isomers as solvents. S. V. Gorbachev, N. D. Kalugina. *Zhur. fiz. khim.* 41 no. 4:884-887 Ap '67
- QUINOLINE**
Bimolecular alkylidenetriamines. Part II: New data on the bimolecular donor-acceptor interaction of α -2-methyl-4-anilino-1, 2, 3, 1-tetrahydropyridine and its derivatives. L. P. Zalukayev, L. A. Spitsyna. *Zhur. org. khim.* 3 no. 1:753-756 Ap '67
- Oscillator strength of the long-wave absorption band and the inhibitor activity of some hydrogenated quinolines.** R. P. Vorob'eva, L. P. Zalukayev, E. N. Ivanova. *Zhur. prikl. spekt.* 6 no. 4:517-548 Ap '67
- Resochin therapy of rheumatic fever.** T. I. Bibikova, I. A. Sigidin. *Sov. med.* 27 no. 8:22-27 Ag '63
- Stoichiometry of acetylene synthesis. Part 5: Synthesis and steric structure of steric isomers 1-methyl-, 2-methyl-, and 1, 2-dimethyl-4-ethynyl-4-hydroxy-decyl quinolines.** B. V. Unkovskii and others. *Zhur. org. khim.* 3 no. 4:757-765 Ap '67
- QUINOLINETHIOL**
Study of the reaction of vanadium with thiooxine (8-mercaptoquinoline) by means of amperometric titration. I. M. Pavlova, O. A. Songina. *Izv. AN Kazakh. SSR. Ser. khim.* 17 no. 2:33-37 Mr-Apr '67
- QUINONE**
Classification of antibiotic quinones of the actinomycete origin. N. O. Blinov and others. *Izv. AN SSSR. Ser. biol.* no. 3:357-373 My-Je '67
- Mechanism of ubiquinone functioning in mitochondria.** L. M. Radkman, L. A. Blumentfeld. *Biokhimiya* 32 no. 2:380-387 Mr-Apr '67
- Structural quinone links of lignin.** M. I. Chudakov, A. P. Samsonova. *Sbor. tr. NIKS* 15:205-200 '68
- RABBITS**
(see also subdivision under Sverdlovsk Province)
Age-related changes in skin and hair coat of rabbits. K. M. Efremova. *Trudy Mosk. vet. akad.* 16:167-173 '57
- Studying structure of fur of seal-type rabbits.** I. F. Valikina, K. K. Volnova. *Trudy Mosk. vet. akad.* 16:179-183 '57
- RADAR**
Determination of joint angular coordinates of radiators. B. D. Sergievskii. *Radioelektronika* 22 no. 4:83-80 Ap '67
- Radio-echo sounding of glaciers.** V. V. Bogorodskii, B. A. Redosov. *Zhur. tekhn. fiz.* 37 no. 4:781-788 Ap '67
- RADAR, MILITARY**
Objective control of operator training. V. M. H'chenko. *Vest. protivovozd. obor.* no. 3:35-41 Mr '67
- RADAR IN ASTRONOMY**
Single-value measurements of meteor distances. R. P. Chebotarev. *Biul. Inst. astrofiz. AN Tadzh. SSR* no. 47:3-6 '60
- RADAR IN SURVEYING**
Local systematic errors in aerial radar surveying. N. P. Kozhevnikov. *Geod. i kart.* no. 3:39-44 Mr '67
- RADAR OPERATORS—EDUCATION AND TRAINING**
The examination has been passed. I. N. Lavrukhin. *Vest. protivovozd. obor.* no. 3:62-64 Mr '67
- Individual methods of instructing radar operators.** G. S. Kurilenko. *Vest. protivovozd. obor.* no. 3:48-51 Mr '67
- RADIANT HEATING**
New system of panel heating. A. Vorontsov. *Na stroi. Ros.* 5 no. 1:29 Ja '64
- RADIATION**
Approximate solution of the problem of transfer by radiation. S. P. Detkov. *Izv. vys. ucheb. zav. i fiz.* 10 no. 2:121-125 '67
- Matrix equations describing the diffusion of radiation.** Part 2. R. I. Kostik. *Astrofizika* 3 no. 1:17-39 F '67
- Mechanism of radiation-catalytic processes occurring on synthetic zeolites studied by the electron paramagnetic resonance method.** I. U. A. Breslav, A. G. Kotov, S. I. A. Palezhetskiy. *Khim. vys. encig.* 1 no. 1:65-70 Ja-F '67
- Transient radiation on two parallel interfaces.** V. E. Pafomov, I. M. Frank. *IAD. fiz.* 5 no. 3:631-640 Mr '67
- RADIATION—DOSAGE**
Calculation of the distribution of absorbed doses of γ -irradiation in superficial tissue layers. A. I. Luts'e. *Med. rad.* 12 no. 4:67-71 Ap '67
- Use of multifield film holders for individual dosimetry in X-ray offices.** V. G. Videnskii, G. A. Petukovskii. *Med. rad.* 12 no. 4:72-74 Ap '67
- RADIATION—EFFECT ON AROMATIC COMPOUNDS** see Aromatic compounds, Effect of radiation on
- RADIATION—EFFECT ON BENZENE** see Benzene, Effect of radiation on
- RADIATION—EFFECT ON CADMIUM SULFIDE CRYSTALS** see Cadmium sulfide crystals, Effect of radiation on
- RADIATION—EFFECT ON CARBON DISULFIDE** see Carbon disulfide, Effect of radiation on
- RADIATION—EFFECT ON CASTOR OIL** see Castor oil, Effect of radiation on
- RADIATION—EFFECT ON CATALYSTS** see Catalysts, Effect of radiation on
- RADIATION—EFFECT ON CERAMIC MATERIALS** see Ceramic materials, Effect of radiation on
- RADIATION—EFFECT ON CRYSTAL LATTICES** see Crystal lattices, Effect of radiation on
- RADIATION—EFFECT ON CYCLIC COMPOUNDS** see Cyclic compounds, Effect of radiation on
- RADIATION—EFFECT ON ELECTROLYTE SOLUTIONS** see Electrolyte solutions, Effect of radiation on
- RADIATION—EFFECT ON FETUS** see Fetus, Effect of radiation on
- RADIATION—EFFECT ON FORMAMIDE** see Formamide, Effect of radiation on
- RADIATION—EFFECT ON FORMIC ACID** see Formic acid, Effect of radiation on
- RADIATION—EFFECT ON GERMANIUM CRYSTALS** see Germanium crystals, Effect of radiation on
- RADIATION—EFFECT ON GLASS** see Glass, Effect of radiation on
- RADIATION—EFFECT ON GLASS SUBSTITUTES** see Glass substitutes, Effect of radiation on
- RADIATION—EFFECT ON HYDROCHLORIC ACID** see Hydrochloric acid, Effect of radiation on
- RADIATION—EFFECT ON INTERNAL FRICTION** see Internal friction, Effect of radiation on
- RADIATION—EFFECT ON LITHIUM FLUORIDE CRYSTALS** see Lithium fluoride crystals, Effect of radiation on
- RADIATION—EFFECT ON NAPHTHALENE** see Naphthalene, Effect of radiation on
- RADIATION—EFFECT ON NITRIC ACID** see Nitric acid, Effect of radiation on
- RADIATION—EFFECT ON PLANTS** see Plants, Effect of radiation on
- RADIATION—EFFECT ON PLASTIC FILMS** see Plastic films, Effect of radiation on
- RADIATION—EFFECT ON POLYMERS** see Polymers, Effect of radiation on
- RADIATION—EFFECT ON POTASSIUM SULFATES** see Potassium sulfates, Effect of radiation on
- RADIATION—EFFECT ON QUARTZ CRYSTALS** see Quartz crystals, Effect of radiation on
- RADIATION—EFFECT ON RUBBER** see Rubber, Effect of radiation on
- RADIATION—EFFECT ON SILICON CRYSTALS** see Silicon crystals, Effect of radiation on
- RADIATION—EFFECT ON SOLUTION (CHEMISTRY)** see Solution (Chemistry), Effect of radiation on

central nervous system and endo-
crine glands and irradiation lesions V I
B l o s i n p i d t h e d 63 no. 4 48-52 Ap

the cortical substance of the
radiation sickness A Trupoid
1960 no. 2 p. 42-46 Ap '67

stem functions under the effect of ionizing
rays, [Leningrad] Podkorkovo-sivolyovye funk-
tsii, [Leningrad] radiatsii na organizm.
r [Leningrad] Meditsina, 1967

of arterial layers of the vascular
system V A Krushchii Biol
fiziol 29-32 May '67.

the sickle-cell caused by polio-
myelitis V V Zhurav Farm
Ap '67

rare fatal acute radiation sick-
ness Med tail 12 no 4 89-91

DISEASES see subdivision

R
I

lazine series
using thiazole
[Chinova Zhur
]

EQUIPMENT AND SUPPLIES
 e also subdivided under Novosibirsk)
 e for adjusting television receivers. IU, Skripnikov,
 o no. 2 18-20 F '67.
 eign countries. Radio no. 1:59-60 A '67.
 b, G.S. [Advice on the design of amateur radio ap-
 R Society po konstruirovaniu radiolubitel'skoi
 I ratyury. Moskva, Energiya, 1967. 208 p. (Masso-
 radiobiblioteka, no. 627)
 in the Ukraine, A. Grif, Radio no. 4:8-9 Ap '67.
 consultations. Radio no. 1:61-62 Ja '67.
 consultations. Radio no. 2:61-62 F '67.
 consultations. Radio no. 4:61-62 Ap '67.
 amateurs telling about their equipment. Radio
 20-21 Ap '67.
 d by amateurs. Radio no. 4:24 Ap '67.
 logical advice. Filter for a transistor radio.
 no 1:52-53 Ja '67.
 logical advice. Simple punches for making discs.
 no. 2:41 F '67.

INTERFERENCE

L. IA. [Methods for increasing interference re-
 in FM signal reception] Metody povysheniya
 nozashchitshchenosti priema ChM signalov. Mo-
 v'lyaz', 1967. 255 p.

D ANNOUNCING

blems of masterful announcing, P. Finkelstein,
radio tel. p no. 130 '60.

worries the announcer, N. Tolstova, Sovetskaya
p no 4:16-17 '60.

D ASTRONOMY

stellar hydrogen I in the region of the galactic center,
Bryukova, T. M., Efremov, N. F., Izv. Akad. Nauk SSSR,
p 24 no. 4:125-129 '66,

d of determining the initial radius of expansion
of nebulae, R. Sh. Khachatryan, Bul. Byureau de
l'Adzh.SSR no. 4:1/42;20-25 '66,

observations of neutral hydrogen in the diffuse
association Monoceros II, N. V. Bryukova, I. V.
Schinskii, N. F. Ryzhkov, Izv. GAO 31 no. 4:1
'66,

radio emissions during 1966-1967 in the centimeter
range obtained from observations using the JNA
radio telescope, Report No. 1, V. N. Kharin, Izv.
GAO 24 no. 4:61-75 '66,

ity of radioastronomy methods in magnetic fields,
S. M. Ivanov, B. M. Tsutskavaev, Geofiz. zh.,
1967-175 '67.

AUDIENCES

also subdivision under Georgia; Klov Province)
every letter there is a living man, I. Seval'skaya,
radio tel. p no. 3:8-9 '60.

- RADIO CIRCUITS**
Effect of noise on a filter-discriminator-integrator system V A Muzlinsk. Radiotekhnika 22 no.4 97-103 Ap '67.
- [Principles of radio receivers design] Osnovy proektirovaniia radio priemnikov. [By] V. D. Gorskhelev i dr. [Leningrad] Energiia, 1967. 451 p.
- RADIO CLUBS**
Creative search. IU Krinov. Radio no.2-8-9 F '67.
Creative work of beginning radio amateurs should receive attention and consideration. N.Nikolaev. Radio no.4 42 Ap '67.
Our call letters are still the same. S.Pavlov. Radio no.1-1-5 Ja '67.
With thoughts of the fatherland. A.Gel'man. Radio no.1-1-3 Ja '67.
- RADIO DETECTORS**
Detector radio reception. V.Ivanov. Radio no.4-97-39 Ap '67.
- RADIO DIRECTION FINDERS**
"Fox hunting" on skis. Radio no.1 22-23 Ja '67
"Fox hunting" receiver for operation on 3.5 mc. A.Akimov. Radio no.1,20-30 Ja '67.
Victory of the Soviet "hunters." A.Lemshil. Radio no.1,24-25 Ja '67.
- RADIO-FREQUENCY COSMIC RADIATIONS** see Cosmic radiations, Radio-frequency
- RADIO FILTERS**
Distribution of the probability of impulse noise at the output of a band filter. B.I.Kuvshinov. Radiotekhnika 22 no.1 105 Ap '67.
Regenerative tracking filter. I.A.G.Rodionov. Radiotekhnika 22 no.4,741-744 Ap '67.
- RADIO IN AGRICULTURE**
(see also subdivision under Georgia; Ivanovo Province, Krasnodar Territory, Kuybyshevo region, Rostov Province)
Observation on the most important. P.Porgin. Sov. radio i tel. 9 no.1 2-3 '60
Economic conference. A.Patek. Sov. radio i tel. 9 no.5 28 '60
- RADIO IN EDUCATION** see subdivision under Odessa
- RADIO IN INDUSTRY** see subdivision under Kemerovo Province; Novosibirsk
- RADIO IN PROPAGANDA**
(see also subdivision under United States)
Deeper and brighter. Sov. radio i tel. 9 no.1-1 '60.
New documents on V.I.Lenin and the radio. M.Glester. Sov. radio i tel. 9 no.2-9-10 '60
Use better the potentialities of radio and television. S.V.Kaftanov. Sov. radio i tel. 9 no.6 7-10 '60.
- RADIO INDUSTRY—EXHIBITIONS**
"Expo-67." S.Litvinov. Radio no.1-6 Ap '67.
- RADIO INDUSTRY—MANAGEMENT**
Some problems of developing specialization in the manufacture of radio broadcasting apparatus. V.G.Aksenova. Tруды VZET no.30,50-54 '60.
- RADIO INDUSTRY—QUALITY CONTROL**
Method for statistical control and regulation of the cutting of the thread of nonwave-type resistors. I.A.Krabanov and others. Avtomatika no.1,91-95 Ja-F '67.
- RADIO JOURNALISM**
(see also subdivision under Estonia; Lithuania; Tula)
Don voyagel' G.Skorokhodov. Sov. radio i tel. 9 no.5 31-32 '60.
Devote all your strength and knowledge to the building of communism! S.V.Kaftanov. Sov. radio i tel. 9 no.1 8-10 '60.
I ask the floor! T.Boglovskii. Sov. radio i tel. 9 no.6 33-35 '60.
Impromptu or mounting? S.Chupikov. Sov. radio i tel. 9 no.5-36 '60.
Radio as a press agency. Sov. radio i tel. 9 no.1,17 '60.
- RADIO JOURNALISM—STUDY AND TEACHING** see subdivision under Moscow
- RADIO LINES**
Calculation of the electrical field of symmetrically coupled strip transmission lines in a d.c. mode of operation. I.S.Kovalov. Izv.vys.shekh.zav.energ. 10 no.3,109-109 Mr '67.
Contribution to the theory of coupled transmission lines. I.G.Vladovskii. Radiotekhnika 22 no.1 28-35 Ap '67.
Resonance frequencies of short-circuited and open sections of nonuniform lines. O.N.Litvinenko. Radiotekh. i elektron. 12 no.2 342-344 F '67.
- Wave processes in active RC lines. IU.I.Vorontsov, M.I.Kozhevnikova, I.V.Poltakov. Radiotekh. i elektron. 12 no.4-6 69-702 Ap '67.
- RADIO MEASUREMENTS**
The practice of radio measurement. N.Mikheev. Tekh. i vooruzh. 25 no.2-30-31 F '67.
- RADIO MODULATORS**
Structural networks of first-order pulse time modulators. O.M.Durzhavin. Avtomatika no.4,74-79 Ap '67.
- RADIO OPERAS**
Three at men. A.Orfenov. Sov. radio i tel. 9 no.6 12 '60
- RADIO OPERATORS**
CQ-U. Radio no.2-11 F '67.
CQ-U. Radio no.1-11 Ap '67.
Friendship of radio amateurs. G.Pronin. Radio no.1, 6-7 Ja '67.
I won't surrender. IU.Krinov. Radio no.1,10-11 Ja '67.
Our call letters are still the same. S.Pavlov. Radio no.1-1-5 Ja '67.
Preparing for the remarkable date. P.Dlachenko. Radio no.2 10 F '67.
Sportsmanship of a shortwave radio amateur. I.Kazan'skii. Radio no.2-12-13 F '67.
Warm memories of a radio operator. A.Krasuk. Radio no.4-7 Ap '67.
- RADIO OPERATORS—COMPETITIONS**
Generosity of the heart. V.Turin. Radio no.2-5 F '67.
- RADIO PLAYS**
(see also subdivision under Leningrad)
Problem of the radio play. IU.Baranovich. Sov. radio i tel. 9 no.3 37-40 '60
What in the radio audiences liked. A.Golovenchenko. Sov. radio i tel. 9 no.1 10 '60
- RADIO PROGRAMS**
(see also subdivision under Kirghizistan; Moscow)
To hear the same thing again and again is impossible. M.Vyprianskaia. Sov. radio i tel. 9 no.2 25 '60.
- RADIO RELAY SYSTEMS**
Power relationships in transmission of signals with frequency division through a nonlinear repeater. A.I.Abolits. Elektr. svyaz' 21 no.3,12-9 Mr '67.
- RADIO RESONATORS**
Ponderomotive action of electromagnetic waves on waveguide cavity resonators. V.G.Orlov, V.D.Kukush. Radiotekhnika [Kiev] no.2,117-127 '66
- RADIO SCRIPTS**
Notes on radio scripts. V.Nurhayr. Sov. radio i tel. 9 no.6 36-37 '60.
- RADIO STATIONS**
(see also subdivision under Chelyabinsk Province)
In the editors' offices of local radio stations. Sov. radio i tel. 9 no.1 23 '60.
The word is rich. P.Krutov. Sov. voen. 19 no.7 10-19 Ap '67
- RADIO TRANSFORMERS**
Power transformers. Radio no.1 54 Ja '67.
Specialists tell about TVS transformers. Radio no.2 42-43 F '67.
- RADIO WAVE PROPAGATION**
Effect of the nonhomogeneities of the atmosphere on the directivity gain of large antennas. I.A.S.Shif'in, L.G.Korshenko. Radiotekh. i elektron. 12 no.2 237-243 F '67.
Letter to the editor. A.K.Morozov, IU.G.Trataev. Radiotekhnika 22 no.1 103-104 Ap '67.
Propagation of electromagnetic waves through a radio-transparent layer. I.V.Sukharevskii. Radiotekh. i elektron. 12 no.2,208-215 F '67.
Reply to A.K.Morozov and IU.G.Trataev's letter. I.S.Andronov. Radiotekhnika 22 no.4,104 Ap '67
- RADIO WAVES**
Nonlinear theory of cyclotron instability of earth's radiation belt. V.IU.Tsikhengerts. Geomag. i aer. 7 no.2,330-341 Mr-Apr '67.
- RADIO WAVES—INDUSTRIAL APPLICATIONS**
Radio wave equipment on boring machines for controlling hidden boundaries of coal and rocks. A.A.Ivanov, G.K.Nosov, I.A.Brazhnikov. Ugol' i koks no.1,27-28 Ja '67.
- RADIOACTIVATION ANALYSIS**
Determination of hafnium concentration in zirconium. Part 1. A.I.Onosov, A.P.Perovskii. Radiokhimiia 9 no.2,269-271 '67.
- Determination of hafnium concentration in zirconium. Part 2. A.I.Onosov, A.P.Perovskii. Radiokhimiia 9 no.2 271-274 '67.
Rapid radiometric method of determining distribution coefficients of zirconium and hafnium during extraction. A.P.Perovskii, P.N.Sokolov. Radiokhimiia 9 no.2; 268-261 '67.
- RADIOACTIVE FALLOUT** see subdivision under Atlantic Ocean
- RADIOACTIVE FALLOUT—MEASUREMENT** see subdivision under Vilnius
- RADIOACTIVE PROSPECTING**
Development of theory of divergent logging. Dop. AN URSR. Ser. B 29 no.5 120-131 My '67
- RADIOACTIVE SUBSTANCES**
(see also subdivision under Don River)
Some characteristics of distribution of natural radioactive elements in carbonate rocks. V.V.Larionov, M.D.Sharitsman. Geokhimiia no.2,221-227 F '67.
Studying the diffusion of nuclear reaction products in various materials. N.I.Iaizant, V.V.Gaidarov, A.V.Dem'ianov. Atom. energ. 22 no.1 280-284 Ap '67
Studying the interaction of spheres consisting of fissionable material. M.I.Kuvshinov, B.D.Sisiborski. Atom. energ. 22 no.4 312-313 Ap '67.
- RADIOACTIVE SUBSTANCES—ANALYSES**
Quantitative analysis of a two-component mixture of radionuclides. L.I.Piskunov. Radiokhimiia 9 no.2; 266-268 '67.
- RADIOACTIVE SUBSTANCES—INDUSTRIAL APPLICATIONS**
Corrective calculations for radioisotope automatic measurement of the dimensions using hard radiation. E.B.Mikhevskii. Avtomatiz. protv. protv. v mashinostri. i prib. no.1,100-109 '60.
Effectiveness of using radio isotopes in automatic control systems. E.B.Mikhevskii. Avtomatiz. protv. protv. v mashinostri i prib. no.4,5-13 '66.
- RADIOACTIVE TRACERS**
Isotope cinematography in diseases of cerebral vessels. V.Kvicala. Zh. neur. i psikh. 67 no.4,507-507 '67
- RADIOACTIVE WASTE DISPOSAL**
Stop radioactive contamination of the world ocean. A.P.Pinkhotnik. Zem. i vesel. no.2 41-46 Mr-Apr '67
- RADIOACTIVITY**
Methodology for measuring the radioactivity of feces. A.M.Kharat'ian, A.P.Kallistov. Med. rad. 12 no.1 74-75 Ap '67.
Use of radioactive sources of characteristic radiation in X-ray diffraction studies. S.I.Lobov, V.A.Tsukerman. Dokl. AN SSSR 165 no.6 1278-1279 D '65
- RADIOACTIVITY—CONGRESSES**
Symposium on neutron dosimetry. G.M.Obaturov. Atom. energ. 22 no.3,120-242 Mr '67.
- RADIOACTIVITY—SAFETY MEASURES**
For the simplest hermetic sealing. N.Smetan. Voen. znan. 43 no.3,32 Mr '67.
Gamma-radiation buildup factors for limited media. V.A.Kil'manov, V.P.Mashkovich, IU.N.Podzevalov. Atom. energ. 22 no.3,228 Mr '67.
In the zone of a nuclear explosion. L.Shirshov. Tekh. i vooruzh. 25 no.2,112-13 F '67.
Protection from penetrating radiation. A.Savchenko. Tekh. i vooruzh. 25 no.1,32-35 Ja '67
The theme is deactivation. V.Garkushenko. Voen. znan. 43 no.3,26-27 Mr '67
- RADIOBIOLOGY—EQUIPMENT AND SUPPLIES**
Experimental gamma-ray unit IKU-50 of the M.I. Gamalet Institute of Epidemiology and Microbiology. M.A.Tumanian and others. Atom. energ. 22 no.4 324-325 Ap '67.
- RADIOBROADCASTING**
(see also subdivision under Astrakhan; Caucasus, Northern; Chuvashia; France; Grozny; Kamchatka; Khabarovsk; Maritime Territory; Mias; Moscow; Murmansk; Perm Province; Stavropol Territory, Tomsk, Turkmenistan; Veshenskaya, Rostov Province)
"Comrade Arsenii." K.Voevodina. Sov. radio i tel. 9 no.4 10 '60.
Honorable duty. Sov. radio i tel. 9 no.4 1 '60
The militant program of Soviet radiobroadcasting and television. S.V.Kaftanov. Sov. radio i tel. 9 no.2,5-6 '60.
The militant task of radio broadcasting and television. Sov. radio i tel. 9 no.3-4 '60.
On improving Soviet radiobroadcasting and the further development of television. Sov. radio i tel. 9 no.2 1-4 '60
A 10 minute broadcast. O.Korshakov. Sov. radio i tel. 9 no.4,15 '60.
What is new in the new schedule? M.Kiperman. Sov. radio i tel. 9 no.4,17-18 '60.
What should a "Gay companion" be? Sov. radio i tel. 9 no.1-18 '60.
With public participation. S.V.Kaftanov. Sov. radio i tel. 9 no.5 1 '60.

Physiology of exercises in the evaluation of radiological
station V. I. Izbin, P. D. Afonin Voen-med zhuz
10361-70 M. 67

Device U'S-1 for intravital measuring of Sr^{90} content in
man O V Ichedev and others Med rad 12 no 4
76-77 Apr '67

1. technique for determining the resolving time of
radiometric apparatus I.I.A. Gorskii, Gofiz. app.
no. 31 100 103 '67.
2. Portable unit for the graduation of gamma radiometers,
I.I. Arts-banov, E.P. Popov, Gofiz. app. no. 20
122 125 '68.

Distribution of radioluminance temperature over the Venus
dis A G Pavlet'ev, G M Strelkov Kosm Issl 5
no 2 265-275 Mr-Apr '67

Experimental data on accuracy of measurements of air temperature in free atmosphere by some types of thermistors I. U. A. Glagolev, M. V. Kirechmer, L. F. Tolmoez Trudy TSAO no 74 44-52 '66

Experimental data on parameters of the thermal unit on readings of MMT-1 thermistor in free atmosphere V. N. Arbozova, I. U. A. Glagolev Trudy TSAO no 74 53-60 '66

89 '86 B. P. Zaitchikov Study TASSO no 74 87-
Practice in sounding lower three-kilometer layer of at-

Results of studying effect of voltage of feeding sources on temperature measurement by RKZ-1A radiosonde O V Marfenko, K I Markelova Trudy TSAO no 74 23-27 '56

Trudy TSAO no 74.80-86 '66

M. B. Fridzon Trudy TSO no 74 40-43 '66
Theoretical dependence of heat errors of head thermistors
on their parameters and measurement conditions
I. A. Glagolev Trudy TSO no 74 61-65 '66

reception of FM signals using parametric subharmonic
generators. V.P.Komolov, I.T.Trofimenko. *Elektron-
svyaz* 21 no 3 74-77 Mr '67.

achievements of Soviet roentgenoradiology in the diagnosis and treatment of tumors G. A. Zerkovskiy, I. G. Mashov. Voprosy 13 no 4 3-17 '67

13. L. M. Kolmanova, G. S. Grosheva. 'Voprosy onkologii i radiatsionnoi terapii' 13 no. 4:95-100 '67.

therapy G. A. Zedgenidze and others, Med rad
no 4:3-8 Ap '67

ular distribution of fragments and cross section of
226 fission by deuterons, A.S. Dovgilenko and others
fiz. 5 no. 3:538-542 31-100

Radiochemical study of some radium compounds.
 1. R. 2; X-ray diffraction study of radium nitrate.
 M. Vdovenko, I. V. Dubasov. Radiokhimiya

lute method for determining thoron and actinon by
ins of an α -scintillation chamber. V. L. Shashkin.
Prutkina, Atom energ. 22, 1968, No. 1, p. 105.

zh. SSR, Otd. obshchestv nauk no. 3-90-92 '66.

ROAD LAW
problem* concerning the relations between business
organizations and railroads. Mr. Shaulkoff

also subdivision under Ryazan Province)
ma of modernization of tank car loading

(see also subdivision under Siberia, Western)
Method of studying accounting and planning, for
for its comprehensive processing. It N. 5111
"Trudy MII" no. 235-65-76 '66.

Method of studying accounting and planning literature for its comprehension in accounting. H. N. 7, 1972. Trudy MFT no. 235-65-76. '66.

Use of the UMN-1 electric painting unit for the painting of rail and passenger cars. M.I. Vinnikova. In: Izv. vuzov, kras.mat. i khim., no. 3, 82-83 '67.

Chita; Moldova

(see also subdivision under Volga-Vyatka Leningrad region)

tion. N. P. Shchapov, *Trudy TSNII MP*, no. 12, 1966, p. 125 (1966).

TAIRKENS—FREIGHT see *hahduyfishat* under *Il'ya*
Province; L'bovok; Kagan (Uzbekistan); Kuzak; 221,
Soviet Central Asia

Young railheadmen, V. S. Harteneva, "Zhukovskiy" 11
11 no 150-50 Ju '67

RAILROADS—RAILS

Gubert, D. M. Rabl'ovich, *Izvest. Akad. Nauk SSSR, Ser. Khim.* 1960

Mr 167.

Dnepr Inst. Chem. met. 21:317-311 '65

Effect of addition of fine earth elements on soil fertility, biomass and tendency of acid conversion rate of soil under temperate climate. V. S. Orlovskiy, Izv. vuzov. Khim., 1979, 22, 10, no. 4, 124-127 (Rus.).

highly resistant alloyed steel and alloy. D.S. Harner, Wash
and others, Sept. 20, 1955, 1956, 1957, 1958, 1959.

distance to brittle failure of welded joints at various temperatures of various steels. M. M. Krasobelskiy, M. M. Krasobelskiy.

o variants of brittle failure development in wells
pulling stock struts in en. M. M. Kuznetsov, 4145

ROADS—ROLLING STOCK—ACCOUNTING

ROADS—ROLLING STOCK—STATISTICS
of passenger and freight transportation by railroads, street cars, and trolleys, 1900-1901, 1901-1902, 1902-1903, 1903-1904, 1904-1905, 1905-1906, 1906-1907, 1907-1908, 1908-1909, 1909-1910, 1910-1911, 1911-1912, 1912-1913, 1913-1914, 1914-1915, 1915-1916, 1916-1917, 1917-1918, 1918-1919, 1919-1920, 1920-1921, 1921-1922, 1922-1923, 1923-1924, 1924-1925, 1925-1926, 1926-1927, 1927-1928, 1928-1929, 1929-1930, 1930-1931, 1931-1932, 1932-1933, 1933-1934, 1934-1935, 1935-1936, 1936-1937, 1937-1938, 1938-1939, 1939-1940, 1940-1941, 1941-1942, 1942-1943, 1943-1944, 1944-1945, 1945-1946, 1946-1947, 1947-1948, 1948-1949, 1949-1950, 1950-1951, 1951-1952, 1952-1953, 1953-1954, 1954-1955, 1955-1956, 1956-1957, 1957-1958, 1958-1959, 1959-1960, 1960-1961, 1961-1962, 1962-1963, 1963-1964, 1964-1965, 1965-1966, 1966-1967, 1967-1968, 1968-1969, 1969-1970, 1970-1971, 1971-1972, 1972-1973, 1973-1974, 1974-1975, 1975-1976, 1976-1977, 1977-1978, 1978-1979, 1979-1980, 1980-1981, 1981-1982, 1982-1983, 1983-1984, 1984-1985, 1985-1986, 1986-1987, 1987-1988, 1988-1989, 1989-1990, 1990-1991, 1991-1992, 1992-1993, 1993-1994, 1994-1995, 1995-1996, 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026, 2026-2027, 2027-2028, 2028-2029, 2029-2030, 2030-2031, 2031-2032, 2032-2033, 2033-2034, 2034-2035, 2035-2036, 2036-2037, 2037-2038, 2038-2039, 2039-2040, 2040-2041, 2041-2042, 2042-2043, 2043-2044, 2044-2045, 2045-2046, 2046-2047, 2047-2048, 2048-2049, 2049-2050, 2050-2051, 2051-2052, 2052-2053, 2053-2054, 2054-2055, 2055-2056, 2056-2057, 2057-2058, 2058-2059, 2059-2060, 2060-2061, 2061-2062, 2062-2063, 2063-2064, 2064-2065, 2065-2066, 2066-2067, 2067-2068, 2068-2069, 2069-2070, 2070-2071, 2071-2072, 2072-2073, 2073-2074, 2074-2075, 2075-2076, 2076-2077, 2077-2078, 2078-2079, 2079-2080, 2080-2081, 2081-2082, 2082-2083, 2083-2084, 2084-2085, 2085-2086, 2086-2087, 2087-2088, 2088-2089, 2089-2090, 2090-2091, 2091-2092, 2092-2093, 2093-2094, 2094-2095, 2095-2096, 2096-2097, 2097-2098, 2098-2099, 2099-2100, 2100-2101, 2101-2102, 2102-2103, 2103-2104, 2104-2105, 2105-2106, 2106-2107, 2107-2108, 2108-2109, 2109-2110, 2110-2111, 2111-2112, 2112-2113, 2113-2114, 2114-2115, 2115-2116, 2116-2117, 2117-2118, 2118-2119, 2119-2120, 2120-2121, 2121-2122, 2122-2123, 2123-2124, 2124-2125, 2125-2126, 2126-2127, 2127-2128, 2128-2129, 2129-2130, 2130-2131, 2131-2132, 2132-2133, 2133-2134, 2134-2135, 2135-2136, 2136-2137, 2137-2138, 2138-2139, 2139-2140, 2140-2141, 2141-2142, 2142-2143, 2143-2144, 2144-2145, 2145-2146, 2146-2147, 2147-2148, 2148-2149, 2149-2150, 2150-2151, 2151-2152, 2152-2153, 2153-2154, 2154-2155, 2155-2156, 2156-2157, 2157-2158, 2158-2159, 2159-2160, 2160-2161, 2161-2162, 2162-2163, 2163-2164, 2164-2165, 2165-2166, 2166-2167, 2167-2168, 2168-2169, 2169-2170, 2170-2171, 2171-2172, 2172-2173, 2173-2174, 2174-2175, 2175-2176, 2176-2177, 2177-2178, 2178-2179, 2179-2180, 2180-2181, 2181-2182, 2182-2183, 2183-2184, 2184-2185, 2185-2186, 2186-2187, 2187-2188, 2188-2189, 2189-2190, 2190-2191, 2191-2192, 2192-2193, 2193-2194, 2194-2195, 2195-2196, 2196-2197, 2197-2198, 2198-2199, 2199-2200, 2200-2201, 2201-2202, 2202-2203, 2203-2204, 2204-2205, 2205-2206, 2206-2207, 2207-2208, 2208-2209, 2209-2210, 2210-2211, 2211-2212, 2212-2213, 2213-2214, 2214-2215, 2215-2216, 2216-2217, 2217-2218, 2218-2219, 2219-2220, 2220-2221, 2221-2222, 2222-2223, 2223-2224, 2224-2225, 2225-2226, 2226-2227, 2227-2228, 2228-2229, 2229-2230, 2230-2231, 2231-2232, 2232-2233, 2233-2234, 2234-2235, 2235-2236, 2236-2237, 2237-2238, 2238-2239, 2239-2240, 2240-2241, 2241-2242, 2242-2243, 2243-2244, 2244-2245, 2245-2246, 2246-2247, 2247-2248, 2248-2249, 2249-2250, 2250-2251, 2251-2252, 2252-2253, 2253-2254, 2254-2255, 2255-2256, 2256-2257, 2257-2258, 2258-2259, 2259-2260, 2260-2261, 2261-2262, 2262-2263, 2263-2264, 2264-2265, 2265-2266, 2266-2267, 2267-2268, 2268-2269, 2269-227

ROADS - STATE HIGHWAYS

ad statistics. O.V. Bakuvalkina, *Trudy MII* 1, 5-24, 1966

ciples of the construction of a unified synthesis and operation involving of nonlinear elements.

ROADS—TRACK

Subj. AN Q.uz.SSR 45 no.2:117-454 1 197.

the spectral theory of steady-state random func-
in designing transportation systems. A. V. Zhukov.

ROADS, INDUSTRIAL see subdivision under
Pakistan

of intensity or precipitation on amount of labor

02-143-11-89 100.

RAMAN EFFECT

Studying Raman scattering transitions in NaNO_2 crystals from Raman scattering spectrum in the region of NO_2 anion vibrations. E. V. Chisler, M. S. Shu. Fiz. tverd. tel. 9 no. 10:15-1019 Ap '67.

Temperature-phase behavior of C-H frequencies in Raman scattering spectra of organic compounds. D. G. Brutan and others. Izv. vys. ucheb. zav., fiz. 10 no. 2:150-153 '67.

Theory of Raman scattering of X rays. M. M. Ainshtein, E. A. Ainshtein. Izv. vys. ucheb. zav., fiz. 10 no. 2:41-47 '67.

RAMS

(see also subdivision under Nudalau)

Hourly changes in body weight and some physiological indices of goldfish rams investigated in the course of several days. F. S. Olenin. Trudy Oren. otd. Vses. fiziol. ob-va no. 3:115-124 '64.

RAMULARIA

White blight of strawberries in White Russia. A. K. Hryshanovich, Vestn. AN BSSR, Ser. sel'khoz. nav. no. 1:75-77 '67.

RANDOM PROCESSES see Stochastic processes

RARE AND MINOR METALS see Metals, Rare and minor

RARE EARTH CHLORIDES—SOLUBILITY

Solubility and solid phases in the system $\text{CeCl}_3 - \text{LaCl}_3 - \text{H}_2\text{O}$ and $\text{CeCl}_3 - \text{YCl}_3 - \text{H}_2\text{O}$ at 25°. A. V. Nikolav, A. A. Sorokin, V. N. Tsubunov. Dokl. AN SSSR 172 no. 6:1333-1336 F '67.

RARE EARTH COMPOUNDS

Analytical use of fluorescence of four-ligand β -diketonate complexes of europium and samarium with organic bases. E. V. Melent'eva, N. S. Polukhov, L. I. Kononenko. Zhur. anal. khim. 22 no. 2:107-102 F '67.

Complex compounds of rare earth elements with sugars. N. P. Fil'ushina, R. S. Lauer, N. S. Polukhov, Zhur. neorg. khim. 12 no. 4:933-939 Ap '67.

Crystal structure of LaAl_4 , CeAl_4 , PrAl_4 and NdAl_4 compounds. I. I. Zolotarev, P. I. Kryukovych, Dop. AN URSSR, Ser. A 29 no. 1:362-366 Ap '67.

Double cerium sulfates of europium, gadolinium, terbium. L. L. Zaitseva and others. Zhur. neorg. khim. 12 no. 3:677-687 Mr '67.

New complex compounds of phthalocyanine with rare earth elements. I. S. Kirin, P. N. Moskalov, I. U. A. Makashov. Zhur. neorg. khim. 12 no. 3:707-712 Mr '67.

Phase diagrams of the systems gadolinium - rhodium and erbium - rhodium. E. M. Savitski, O. Kh. Khamidov, Izv. AN SSSR, Neorg. mat. 3 no. 4:840-855 Ap '67.

Preparation and properties of yttrium and neodymium germanates. V. B. Gushkova, I. A. Davtian, E. K. Koles, Izv. AN SSSR, Neorg. mat. 3 no. 1:110-126 Ja '67.

Rare earth metal monogermates and their crystal structure. I. E. Gladysheva, N. S. Ugrin, Dop. AN URSSR no. 10:1326-1328 '65.

Solid results of the X-ray spectral investigation of Co, Pr, and Sm with silicon, germanium, aluminum, beryllium, and magnesium. E. E. Vainalshin and others. Izv. AN SSSR, Neorg. mat. 3 no. 4:844-848 Ap '67.

Standard enthalpy of formation of La_2Te_3 , In_2Te_3 , and LaInTe_3 . K. A. Sharifov, S. Sh. Karayev, T. Kh. Azizov, Izv. AN SSSR, Neorg. mat. 3 no. 4:710-720 Ap '67.

Study of β -diketonates of rare earth elements by means of infrared spectroscopy. A. I. Byke and others. Zhur. neorg. khim. 12 no. 3:666-671 Mr '67.

RARE EARTH FLUORIDES

Characteristics of magnetic properties of trigonal and tetragonal rare earth fluorides in CaF_2 -type crystals. L. I. Shekhan, Fiz. tverd. tela 9 no. 3:940-950 Mr '67.

Experimental determination of the enthalpy of formation of rare earth fluorides. O. G. Potchinnok, Zhur. neorg. khim. 12 no. 4:861-866 Ap '67.

RARE EARTH METALS

(see also subdivision under Georgia)

Effect of additions of rare earth elements on cold brittleness and tendency of cold conversion of steel toward temper brittleness. V. S. Orgilani. Izv. vys. ucheb. zav., khim. 10 no. 1:124-127 '67.

Effect of rare earth metals on the hardenability of steel. A. S. Zav'yalov, M. M. Sandomirskii, Izv. AN SSSR, Met. no. 2:117-150 Mr-Apr '67.

Influence of microalloying with rare earth metal on the stability of thermomechanical hardening of steel. D. A. Prokoshin, A. G. Rakhshadt, A. V. Supov, Stal' 27 no. 3:259-263 Mr '67.

Surface energy and heat of sublimation of rare earth metals. S. N. Zadumkin, B. S. Tambliev, Uch. zap. Kazb.-Balk. gos. un. no. 13:46-40 '61.

RARE EARTH METALS—METALLURGY

Extraction of rare earths from hydrochloric acid solutions with a mixture of extracting agents. N. A. Shvovskaya, I. U. S. Kuznetsova, Izv. AN SSSR, Met. no. 2:56-56 Mr-Apr '67.

RARE EARTH SELENIDES—MAGNETIC PROPERTIES

Magnetic properties of neodymium selenides. A. V. Pochennikov and others. Izv. AN SSSR, Neorg. mat. 3 no. 4:714-716 Ap '67.

RARE EARTH SILICATES

Synthetic silicate $\text{Y}_2\text{Si}_2\text{O}_7$. N. G. Batalieva and others. Dokl. AN SSSR 173 no. 2:339-341 Mr '67.

RARE EARTH SULFATES

Physicochemical properties of double sodium sulfates of europium and terbium. L. L. Zaitseva and others. Zhur. neorg. khim. 12 no. 4:906-914 Ap '67.

RARE EARTHS

(see also subdivision under Dnieper Valley)

Determination of melting points of rare earth oxides. O. A. Mordovin, N. I. Timofeeva, L. N. Drozdova. Izv. AN SSSR, Neorg. mat. 3 no. 1:107-109 Ja '67.

Electrophoretic deposition of mixtures of yttrium, scandium, and lanthanum oxides. I. A. Savitskaya, S. N. Pchelintsova, E. O. Krylova. Zhur. prikl. khim. 40 no. 4:833-836 Ap '67.

Photometric determination of scandium in the presence of rare earth elements using lumogallion. M. K. Akhmedli, D. G. Gambaev. Zhur. anal. khim. 22 no. 2:270-278 F '67.

Polymorphic study of rare earth elements with molten nitrate as the support and with the use of a rotating disk electrode. G. V. Shilina, I. U. K. Delimarskii. Uch. khim. zhur. 33 no. 3:245-253 '67.

Reaction of oxides of heavy rare earth elements with sodium oxide. I. A. Muvaleva, L. M. Kovba, V. I. Spitsyn. Dokl. AN SSSR 172 no. 6:1380-1381 F '67.

Role of chemical and crystallochemical factors in the distribution of rare earths. A. P. Khomikov. Geokhimiya no. 2:197-205 F '67.

RARE EARTHS—ANALYSIS

Amalgam method of separating europium from lanthanum, cerium, praseodymium, and neodymium. M. G. Salun, T. G. Timofeeva. Radiokhimiya 9 no. 2:261-263 '67.

Study of the conditions of bismuth and thallium amalgam formation in the electrolysis of aqueous acetate-chlorate electrolytes. P. G. Antonov, V. P. Shvedov. Radiokhimiya 9 no. 2:264-266 '67.

RARE GASES see Gases, Rare

RAREFIED GAS DYNAMICS

Aerodynamic characteristics of a sphere and a blunt cone in a flow of a strongly rarefied gas. V. A. Perepukhov. Zhur. vych. mat. i mek. fiz. 7 no. 2:411-152 Mr-Apr '67.

Boundary conditions for Navier-Stokes equations in a rarefied gas. R. G. Beranisev, M. O. Lutsel. Dokl. AN SSSR 173 no. 5:1021-1023 Ap '67.

Kogan, M. N. [Rarefied gas dynamics; kinetic theory] Dinamika i razresheniye gazov; kineticheskaya teoriya. Moskva, Nauka, 1967. 440 p.

RATE OF CHEMICAL REACTION see Chemical reaction, Rate of

RAW MATERIALS see subdivision under Moscow Basin; Siberia, Eastern

RAYCHIKHINSK BASIN—STRIP MINING

Mining blind drifts by walking excavators. G. M. Shumetko. Ugol' 42 no. 1:51-53 Ap '67.

RAYON

Shrinkage of fabrics with triacetate fibers. V. T. Mesinchenko. Tekst. prom. 27 no. 4:11-12 Ap '67.

READERS AND LIBRARIES see Libraries and readers

REALISM IN LITERATURE

Suchkov, B. L. [Historical destinies of realism; reflections on the creative method] Istoricheskie i byt' realizma; razmyshlenie o tvorchestvom metode. Moskva, Sov. pisatel', 1967. 461 p.

REARRANGEMENTS (CHEMISTRY)

Mechanism of Smiles rearrangement of *o*-methyl diaryl sulfones rearrangement of dimethyl sulfone. V. N. Duzov, V. I. Sheichenko. Zhur. org. khim. 3 no. 3:554-561 Mr '67.

New method of production of alkyl trialkoxy phosphonium borohydride and the experimental confirmation of the possibility of chain mechanism in Arbuzov's reaction. L. V. Nestorov, A. A. Kessel'. Zhur. ob. khim. 37 no. 3:726-731 Mr '67.

Pinacol-type rearrangement in halogenation of tertiary unsaturated alcohols. I. V. Zdravkov, V. R. Kartashov, T. I. Ternikova. Zhur. org. khim. 3 no. 4:680-671 Ap '67.

Rearrangement of trialkylacetonylallanes into trialkylisopropenylaloxanes. O. V. Litvinova, I. I. Baukov, I. F. Lutsenko. Dokl. AN SSSR 173 no. 3:578-580 Mr '67.

Remarks on L. S. Malants' article "On the theory of intramolecular rearrangements." M. G. Veselov. Teor. i eksper. khim. 3 no. 2:279-281 Mr-Apr '67.

Some features of dienone-phenol rearrangements of di-tert-butylspirocyclohexenones under the effect of acid agents. I. S. Belostotskaya and others. Izv. AN SSSR Ser. khim. no. 3:684-687 Mr '67.

RECEPTORS (NEUROLOGY)

Effect of physiologically active substances of petroleum origin on receptor sensitivity changes in frog skin. G. A. Guseinov, Sh. A. Magarrainov. Uch. zap. AGU Sci. biol. nauk no. 4:47-53 '61.

Increase in the sensitivity of afferent fibers to the stimulating effect of potassium ions caused by bradykinin. Chemoreception and substances inducing pain. R. P. Sotkina, V. M. Khaibulin. Fiziol. zhur. 53 no. 3:291-298 Mr '67.

Physiological characteristics of proprioceptors of the external ocular muscles in rabbits. D. P. Matluskhin. Biol. eksp. biol. med. 63 no. 4:19-24 Ap '67.

Reflex excitability of the respiratory center following exclusion of vision, hearing, and olfaction receptors in dogs. A. S. Noskova. Trudy Oren. otd. Vses. fiziol. ob-va no. 3:107-114 '64.

Vsesoyuznyi simpozium po pervichnym protsessam v receptornykh elementakh organov chuvstv. Ist. Pushchi no. 1005. [Primary processes in the receptor elements of sense organs] Pervichnye protsessy v receptornykh elementakh organov chuvstv. Moskva, Nauka, 1966. 186 p.

RECKLINGHAUSEN'S DISEASE OF NERVE see Neurofibromatosis

RECLAMATION OF LAND see subdivision under Astrakhan Province, Baltic Lake Region, Karakum Steppe (Uzbekistan), Kolkhida Lowland

RECLAIMED RUBBER see Rubber, Reclaimed

RECONSTRUCTION

Foreign trade during the period of the reconstruction of national economy. L. Frel. Vnesh. torg. 47 no. 3:4-5 '67.

RECORDING INSTRUMENTS

Recording instruments exist, but how are they used. P. Solomonov, A. Bashinskii. Av. i kosm. no. 4:52-57 Ap '67.

RECREATION CENTERS

(see also subdivision under Novotomsk; Perm Province)

Attention, children! F. Iurchenko. Sem'ia i shkola 21 no. 10:32-34 O '66.

RECTUM—CANCER

Parietography in cancer of the rectum. N. U. Shiger, S. N. Fain. Vop. onk. 13 no. 1:63-67 '67.

RECTUM—DISEASES

Conservative methods of treating rectal fistulas. S. S. Sorokin. Khirurgiya 43 no. 4:62-63 Ap '67.

RECTUM—SURGERY

Late results of surgical treatment of rectal fistulas. A. A. Chernavskii, G. Z. Lantsberg. Khirurgiya 43 no. 4:50-62 Ap '67.

REDUCTION, CHEMICAL

Reduction of iron-titanium concentrates in the solid phase without fusion. M. B. Itaport, V. M. Kozlov. Zhur. prikl. khim. 31 no. 4:734-743 Ap '61.

REDUCTION, ELECTROLYTIC

Cathodic reduction of platinum dioxide. R. V. Marval, O. A. Petril. Elektrokhiimiya 3 no. 4:518-521 Ap '67.

Effect of nickel on the electrolytic reduction of trivalent arsenic. S. P. Bukhman, E. B. Duzheva. Trudy Inst. khim. nauk AN Kazakh. SSR 15:100-111 '67.

Effect of surface active substances on the kinetics of electroreduction of phenylglyoxalic acid. B. N. Afanasev. Elektrokhiimiya 3 no. 2:204-207 '67.

Effect of the state of electrode surface on the kinetics of cathodic reduction of oxygen on ruthenium in alkaline solutions. L. N. Nekrasov, E. I. Khrushcheva. Elektrokhiimiya 3 no. 2:166-172 '67.

Electroreduction of sodium nitrobenzene-*m*-sulfonate on a copper cathode. N. E. Khomutov, I. V. Kasatonova. Zhur. prikl. khim. 34 no. 4:880-884 Ap '61.

Importance of the place occupied by the metal in the D. I. Mendeleev periodic system in the selection of cathode material for the electroreduction of organic compounds. A. T. Petrenko. Elektrokhiimiya 3 no. 2:252-255 '67.

Mechanism of electroreduction of acrylonitrile on solid cathodes. A. P. Tomilov, V. A. Klimov. Elektrokhiimiya 3 no. 2:232-236 '67.

Phase relations in the reduction of $\text{NiCr}_2\text{O}_4 - \text{NiF}_2\text{O}_4$ solid solutions. R. U. Dobrovolski and others. Dokl. AN SSSR 173 no. 5:1083-1086 Ap '67.

Some regularities of the growth of contact deposits. I. U. N. Bezziuk, S. D. Kaz'min. Zhur. prikl. khim. no. 1:837-841 Ap '67.

REED (TECHNOLOGY) see subdivision under Kazakhstan

REFLECTION (OPTICS)

Determining the coefficient of diffuse scattering of light from light-diffusing media with a variable reflection coefficient. V. D. Kamenetskii. Izv. vys. ucheb. zav.; fiz. 10 no. 2:64-69 '67.

- REFLECTION (OPTICS) (Continued)**
Monochromatic reflection effect in close binary stars I. B. Pustynnik, Astrofizika 9 no. 169-83 F '67
Optical properties of pyramidal reflectors N. E. Rytyn' Opt. i mekh. prom. 34 no. 41-3 Ap '67.
- REFLEXES**
Adaptation of interoceptive reflexes from the mechanoreceptors of small intestine I. U. M. Gal'perin, N. P. Kochetkova, C. G. Mikhnevich, Bul. eksp. biol. i med. 63 no. 41-16 Ap '67.
Cavernous venous sinus as intracranial reflexogenic zone. S. S. Mikhailov, Trudy Oren. otd. Vses. fiziol. ob-va no. 3 91-106 '61.
Chemoreflexes from the receptors of pulmonary vessels on the cardiovascular system. D. P. Dyvoret'skiy, Bul. eksp. biol. i med. 63 no. 1-8-11 Ap '67.
Development of excitative inhibition in infants during early ontogeny R. I. Polikannina, L. N. Sergeeva, Zhur. v.ys. nerv. deiat. 17 no. 2 228-230 Mi-Ap '67.
Effect of curarelike substances on reflex changes in the arterial pressure, V. K. Muratov, Gam. i to'sy 30 no. 2 156-159 Mi-Ap '67.
Effect of products of interstitial metabolism on the character of afferent impulses in the spinal nerve in cats. K. M. Khamlinova, B. N. Rastvorov, Bul. eksp. biol. i med. 63 no. 41-16 Ap '67.
Reflex fluctuations of the tonus of splenic vessels. L. E. Pal'gova, I. P. Krivchenko, Bul. eksp. biol. i med. 63 no. 910-15 My '67.
Reflexogenic zones of coronary vessels. B. L. Tkachenko, Fiziol. zhur. 53 no. 3 315-323 Mi '67.
Sergeev, B. F. [Evolution of associative temporary connections; phylogeny of arc closure in chordates] Evolutsiya assotsiativnykh vremennyykh svyazey; filogenet. zamykatel'noi deyatelnosti khordovykh Leningrad, Nauka, 1967 249 p.
Study of systemic vascular reactions by means of total artificial blood circulation in cats L. I. Osadchil, Bul. eksp. biol. i med. 63 no. 41-3-7 Ap '67.
Thermal influence on the summation of excitation in the central apparatus of the extensor reflex. V. I. Stepanov, Fiziol. zhur. 53 no. 3 299-304 Mi '67.
- REFORESTATION**
Canopy regeneration in virgin swampy pine forests and the elements of climate. G. F. Komin, Zap. Sverd. otd. VBO no. 4 175-178 '66.
- REFRACTION**
Molecular refractions in boronitrous compounds. I. S. Panfide, Dokl. AN SSSR 165 no. 6 1320-1322 D '65
Refraction of oxygen ion in three-component silicate melts. V. I. Malin, B. M. Mogutnov, A. R. Pankova, Izv. AN SSSR Neorg. mat. 3 no. 1 152-156 Ja '67.
- REFRACTION, ASTRONOMICAL**
Estimation of the refraction in photographic astrometry. A. A. Kiselev, T. P. Kiseleva, Izv. GAO 24 no. 3 153-159 '68.
- REFRACTION, DOUBLE**
Measuring the temperature of ruby rods of a laser during pumping by the changes of the double refraction A. P. Veduta, A. M. Lomtovich, Zhur. tekhn. fiz. 37 no. 5 942-946 My '67.
- REFRACTIVE INDEX**
Diagram of refractive index - composition for binary liquid systems. I. U. A. Fialkov, N. I. Piatogorskaya, Ukr. khim. zhur. 33 no. 4 347-348 '67.
Holography of media with small changes of the refractive index M. V. Stabnikov, B. G. Turukhano, A. P. Naidenkov, Zhur. tekhn. fiz. 37 no. 5 980-987 My '67.
- REFRACTOMETRY**
Refractometric study of some oxidation-reduction reactions in solutions. E. A. Glinzer, A. I. Tsareva, V. G. Bobryshev, Ukr. khim. zhur. 33 no. 3 264-268 '67.
- REFRACTORY MATERIALS**
Elastic constants and some features of electronic structure of certain classes of refractory compounds obtained via metal ceramics. I. N. Frantsevich, E. A. Zhurakovskiy, A. B. Lashchenko, Izv. AN SSSR, Neorg. mat. 3 no. 1 8-16 Ja '67.
New principle of sintering refractories. M. F. Kozin'skiy, Dop. AN URSSR, Ser. B 29 no. 1 72-74 Ja '67.
Nepsha, A. V. [Resin-bonded dolomite refractories for use in converters] Konvertornye smolebetsolomilovye ognepupory. Moskva, Metallurgiya, 1967, 123 p.
Organosilicate materials. N. A. Toropov, N. P. Kharilov, V. A. Krotikov, Izv. AN SSSR, Neorg. mat. 3 no. 4: 603-608 Ap '67.
Relaxation phenomena in dielectrics and semiconductors. Part I. P. T. Oreshkin, B. K. Starchenkov, Izv. v.ys. ucheb. zav. i fiz. 10 no. 2 126-131 '67.
Service of hearth bottoms in 30-ton electric furnaces without rammed layers. V. E. Paschenko, V. I. A. Monastyr'skiy, Metallurg 12 no. 3 16-17 Mi '67.
Sintering of refractories. N. F. Kozin'skiy, I. D. Ivanov, Dop. AN URSSR, Ser. B 29 no. 3 254-258 Mi '67.
- REFRIGERATION AND REFRIGERATING MACHINERY** (see also subdivision under Odessa Province, Ukraine)
Automatic defrosting of air coolers with electric heating of trays I. A. Pavlova and others, Khol. tekhn. 14 no. 4 43-38 Ap '67.
Automatic switching in of a reserve compressor. G. T. Zavelon, S. L. Geller, Khol. tekhn. 14 no. 4 33-31 Ap '67.
Determination of the real values of operational parameters in the refrigerating machinery B. V. Minkus, I. A. M. Zil'berberg, I. U. V. Tul'chinskii, Har. prom. no. 2 6-9 Mi-Ap '67.
Heat and mass transfer in the condensation of the water-ammonia mixture V. M. Stefanovskiy, V. N. Koshaevskiy, Khol. tekhn. 14 no. 1 23-27 Ap '67.
Operation of the FVB-1 membrane-type apparatus. Z. Sh. Azarkh, M. T. Morozova, Khol. tekhn. 14 no. 4 38-10 Ap '67.
Pipeless gas refrigerator. D. P. Sergeev, K. L. Kalitenko, Khim. i nef. mashinost. no. 5 45 My '65.
PH-14 float-type level controller A. G. Rotenberg, Khol. tekhn. 14 no. 4 9-11 Ap '67.
Preparing and using neon as a refrigerant. V. G. Fastovskiy, I. U. V. Petrovskiy, A. E. Rovinskii, Khim. i nef. mashinost. no. 5 30-33 My '65.
Technological and Economic Council of the Ministry of Commerce of the R. S. F. S. R. on the panel refrigerating system Khol. tekhn. 14 no. 4 1-2 Ap '67.
- REFRIGERATION AND REFRIGERATING MACHINERY--CONGRESSES**
Conference of the 4th and 5th Commissions in Bologna. I. M. Gindlin, Khol. tekhn. 14 no. 4 51-58 Ap '67.
- REFRIGERATION AND REFRIGERATING MACHINERY--CORROSION**
Corrosion inhibitors for the brine systems of ammonia refrigerating units B. V. Emel'yanov, A. T. Shishkina, Khol. tekhn. 14 no. 4 30-32 Ap '67.
- REFRIGERATION AND REFRIGERATING MACHINERY--PATENTS**
New invention Khol. tekhn. 14 no. 4 49-51 Ap '67.
- REFRIGERATORS--DESIGN AND CONSTRUCTION**
Continuous flow production of home refrigerators. A. Murgules, Trudy MNIPMTASH no. 1 107-131 '63.
- REFUGEES** see subdivision under Germany, West
- REGENERATION (BIOLOGY)**
Development of granulation tissue following total and local X-ray irradiation. E. V. Dmitrieva, Arkh. anat., gist. i embr. 52 no. 4 25-34 Ap '67.
Effect of complex cobalt compounds on regeneration processes of muscular tissue in irradiated animals F. Kh. Seifullin, Bul. eksp. biol. i med. 63 no. 5 93-97 My '67.
Effect of X rays on restorative processes in Planaria. A. G. Semonova-Tian-Shanskaya, Arkh. anat., gist. i embr. 52 no. 4 31-38 Ap '67.
Errors in the diagnosis of pathological reconstruction of bones caused by excessive strain V. I. Bezhenetsa, Otop. i travm. i protcz. 28 no. 1 65-87 Ap '67.
Quantitative characteristics of restorative processes in some systems of the organism following radiation lesion. V. G. Goriyev, I. D. Bobrovnikov, Bul. eksp. biol. i med. 63 no. 4 45-48 Ap '67.
Reparative regeneration of the cortical substance of the adrenal gland in acute irradiation sickness. A. T. Unpold, Arkh. anat., gist. i embr. 52 no. 4 9-19 Ap '67.
Reparative regeneration of the mammary gland following local X-ray irradiation. E. N. Nikiforova, Arkh. anat., gist. i embr. 52 no. 4 38-45 Ap '67.
Response of neuroglia and the regeneration of resected central conductors. T. N. Nesmelanova, A. D. Vorob'ev, Dokl. AN SSSR 173 no. 4 987-970 Ap '67.
Restorative processes following resection of a kidney in dogs. V. A. Vasilenko, Bul. eksp. biol. i med. 63 no. 5 95-98 My '67.
- REGIONAL PLANNING** (see also subdivision under Kara-Kulpak A. S. S. R.)
[Regional planning; a guide for planners] Ratsionalnaya planirovka; y pomoshchi' proektirovshchiku, Kiev, Evrovel'nyk. 1966, 78 p. (V pomoshchi' proektirovshchiku, tema 1)
- REHABILITATION OF CRIMINALS**
Forms and methods of the rehabilitation of probationers. M. Ponedelkov, Sov. iust. 31 no. 7 24-25 Ap '67.
- REINFORCED CONCRETE**
Carrying power of flexible prestressed reinforced concrete rods when operating under an external force V. A. Slovinskii, Trudy GPMI (Gruz.) no. 2 259-263 '64.
- REINFORCED CONCRETE--CORROSION**
Arianov, V. S. [Corrosion protection of reinforced concrete] Zashchita zhelezobetona ot korrozii. Moskva, Stroiizdat, 1967, 127 p.
- REINFORCED CONCRETE CONSTRUCTION**
How to construct long-lasting reinforced concrete towers. V. Medvedev, M. Kaplin, Na stroit. Ros. 1 no. 121-25 Ja '64.
- REINFORCED CONCRETE PRODUCTS--STANDARDS**
Zakharov, V. V. [Standardization of reinforced concrete elements and structures, technical and economic calculations] Standartizatsiya zhelezobetonnykh konstruktov i sooruzhenii, tekhniko-ekonomicheskie raschety i skva, Izd-vo Standartov, 1966, 258 p.
- REINFORCING BARS--DEFECTS**
Investigating the quality of 35GS reinforcing steel by continuous rolling A. P. Chelomarev and others, Nauch. trudy Dnepr. inst. cher. met. 21-18-37 '65.
- REINFORCING BARS--WELDING**
Spot welding of reinforcing rods to rolled sheet metal B. I. Obolantsev, Svar. prozv. no. 4 39-40 Ap '61.
- RELATIVITY (PHYSICS)**
Special theory of relativity and the law of conservation of momentum. A. A. Efimov, Izv. GAO 24 no. 4 163-195 '66.
The truth and errors. A. D. Aleksandrov, Vop. fiz. 3 no. 4 66-76 '67.
Unsteady one-dimensional gas motion making allowance for emission and absorption in the spectral flux of a relativistic N. A. Kabakov, Uch. zap. Kazan. univ. 13 172-177 '61.
- RELIABILITY (ENGINEERING)**
Optimal duration of total preventive maintenance of a system with possible disturbances in its structure A. N. Sklinovich, E. N. Svetkova, Avtom. i tekt. m. no. 4 67-73 Ap '67.
- RELICS AND RELIQUARIES**
Shatrov, E. V. [Twice disclosed; a narrative not only satirical but also documentary] Dvazhdy razoblacheniye, povestovanie, ne tol'ko satiricheskoe, no i dokumental'noe. Moskva, Politizdat, 1967, 62 p. (Khudozhestvennaya ateisticheskaya biblioteka)
- RELIGION**
Archaeology and religion. A. Kuzn', Agitator 34 no. 3 30-41 Ap '67.
[Imaginary and real happiness] Schast'e minuiet i schast'e podlinnoe. Tula, Priokskoe knizhnoe izd-vo, 1954 47 p.
(CSU-E)
Levith, A. E. [Defense of religious faith in U. S. S. R., a manuscript brought from Soviet Russia] Zashchita veroy v SSSR, rukopis' privezennaya iz Svyetskoi Rossii. S predisl. Arkhiepiskopa Ioanna San-Frantsiskogo Paris, Dkhuz, 1966, 101 p.
(TEN)
- RELIGION--CONTROVERSIAL LITERATURE**
Critical evaluation of the psychological apologetics of religion. M. A. Popova, Nauch. dokl. v.ys. shkoly, fil. i nauki 10 no. 2 133-140 '67.
Some signs of the modernization of religious ideology. N. M. Kozmichyshyn, Voprosy iust. nauk, Ser. susp. nauk no. 2 137-143 '66.
Teifi, N. A. [A prophetizer of the past] Predskazaniya prorochoye. Moskva, Politizdat, 1967, 45 p. (Khudozhestvennaya ateisticheskaya biblioteka)
Zvantsev, Sergyol. [Holy patrons] Svyatye zastupniki. Moskva, Politizdat, 1967, 62 p. (Khudozhestvennaya ateisticheskaya biblioteka)
- RELIGION AND COMMUNISM** see Communism and religion
- RELIGIOUS PSYCHOLOGY** see Psychology, Religious
- RELOCATION OF EMPLOYEES** see Employees, Relocation of
- REMOTE CONTROL**
Determining necessary frequency of measuring technological parameters of drilling under discrete control. V. V. Rybakov, B. A. Malin, Mash. i nef. obor. no. 2 39-42 '67.
Electronic desk for controlled directional generation of seismic waves. I. U. A. Tarasov, Izv. v.ys. ucheb. zav. i nef. i gaz. 10 no. 2 10-13 '67.
Kalkov, F. A., and A. B. Popov. [Frequency-time code remote control systems] Chastotno-vremennyye sistemy telemekhanizatsii. Kiev, Tekhnika, 1967, 113 p. (Biblioteka po avtomatike)
Reliability of the remote control systems of oil fields. A. I. Kagan, Trudy VZEI no. 31 55-60 '65.
Remote control of well drilling parameters using oil-field power network. I. U. G. Terent'ev, L. A. Afonin, P. I. Zorulla, Mash. i nef. obor. no. 3 29-31 '67.
Some problems of introducing central control into administrations of oil fields. E. A. Zaitsevdinov, Org. i upr. nefteob. prom. no. 5 15-19 '66.
Telemechanical device of control point for decentralized installations of oil field. A. I. Kagan, N. P. Krivchenko, Mash. i nef. obor. no. 2 34-39 '67.

- REMOTE CONTROL—ABSTRACTS**
[Automatic control, remote control, and computer technology] Ref. zhur. Aviom., telemech. i vych. tekhn., no. 6, Je '67
- RENAL INSUFFICIENCY**
Use of a artificial kidney in a patient with acute renal insufficiency complicated by drug toxicoderma. A. M. Mal'shak, G. P. Kulakov, M. M. Mendel'son. Sov. med., 27 no. 8, 112-114, 1963.
- RENT (ECONOMIC THEORY)**
Absolute rent under the conditions of modern capitalism. E. Bregel. Mir. ekon. i mezhdunar. otn., no. 4, 97-103, '67.
- REPARATION**
Let us improve the trial of cases concerning compensation for the victims of crime. G. Dobrovolskiy. Sov. iust., 31 no. 7-8, Ap '67.
We try to speed up the examination of liability and reparation cases. A. Sokolov. Sots. zakon., no. 4, 53-54, Ap '67.
- REPIN, IL'IA FIMOVICH, 1844-1930**
From the history of social life or a painting by I. F. Repin. I. Lebedev. Izhmstvo, 30 no. 3, 60, '67.
Proskova, S. A. Repin. [2., 1-2 pr. izd.] Moskva, Molodaja gvardiya, 1960, 414 p., illus. (Zhizn' zamechatel'nykh lyudei. Seriya biografiy) (CoU)
- REPORTERS AND REPORTING**
Attendance and participation. V. Chilikin. Zhurnal'ist, no. 2-3-11, '67.
The newspaper "Izvestia" is 50 years old. Zhurnal'ist, no. 3, 13-17, Mi '67.
- REPTILES—ANATOMY**
Comparative morphology of the aortic arch in reptiles. I. P. Antyuchuk. Dop. AN URSR, Ser. B, 20 no. 1, 70-81, Ju '67.
- REPUBLICAN PARTY (UNITED STATES) see United States—Republican party**
- RESEARCH see subdivision under Ukraine**
- RESEARCH, INDUSTRIAL see subdivision under Armenia, Uzbekistan**
- RESERVOIR SEDIMENTATION see subdivision under Mingechau Reservoir**
- RESERVOIRS**
(see also subdivision under Ural Mountain region)
Natural conditions of the shallows of large lowland reservoirs. G. L. Mol'nikova. Izv. AN SSSR, Ser. geog., no. 2, 50-60, Mi-Ap '67.
- RESIDUAL STRESSES**
Experimental determination of internal stresses in two-layer sheet steel. N. P. Dnabglin, A. A. Selezneva. Izv. vys. ucheb. zav.; chem. met., 10 no. 4, 100-101, '67.
- RESINS, SYNTHETIC**
Degradation of melamine-formaldehyde resin films. F. G. Rancheva, N. P. Novakovskii, A. V. Pamfilov. Ukr. khim. zhur., 33 no. 1, 367-369, '67.
- RESONANCE**
Combination resonance on holes in Ge- and Si-type semiconductors. G. L. Bir, E. I. Butikov, G. E. Pikus. Fiz. tsvet. 9 no. 1, 1068-1080, Ap '67.
Development of nonlinear beat oscillation resonances in storage devices. V. L. Auslander and others. Atom. energ., 22 no. 3, 179-188, Mi '67.
Microwave spectroscopy of organic semiconductors. V. S. Gieshtshin, N. E. Alibinder. Usp. fiz. nauk, 91 no. 4, 645-675, Ap '67.
Plasma magnetic resonance and the arrangement of hydrogen atoms in natural edingtonite. I. A. Belitskii, S. P. Gabuda, A. G. Lundin. Dokl. AN SSSR, 172 no. 8, 1318-1320, F '67.
Studying nuclear gamma resonance after α -decay. G. N. Bolozerskii and others. Fiz. tsvet. 9 no. 4, 1252-1253, Ap '67.
- RESONATORS**
Electromagnetic vibrations in a dielectric cylinder placed between reflecting planes. N. G. Vakhitov. Dokl. AN SSSR, 173 no. 4, 818-820, Ap '67.
Operation of lasers with a Q-factor of the resonator depending on the intensity of the radiation field. V. N. Morozov, A. N. Orlovskii. Zhur. tekhn. fiz., 37 no. 5, 947-952, My '67.
- RESORCINOL**
Condensation of resorcinol with dimethylvinylcarbinol in the presence of phosphoric acid. A. Kakhnashvili, V. Chikhladze. Trudy Tbil. GU, 74, 163-167, '60.
Reaction of titanium with 4-(2-pyridyl-nzo)-resorcinol. M. I. Shkolko. Ukr. khim. zhur., 33 no. 3, 319-323, '67.
- RESPIRATION**
Changes in the depth of the stratification of the tomographic layer of the lungs depending on the phase of respiration. I. D. Rapis. Vest. rent. i rad., 12 no. 2, 38-41, Mi-Ap '67.
Characteristics of the changes in gas exchange in extreme levels of iarcification of the atmosphere. N. A. Agadzhanian, G. A. Davydov. Fiziol. zhur., 53 no. 4, 421-421, Ap '67.
Constant polarization potentials of the medulla, spinal cord, and skeletal muscle in frogs following deafferentation of the respiratory center. I. U. V. Lapandin. Blud. eksp. biol. i med., 63 no. 5, 3-6, My '67.
Correlation between respiration and cardiac contraction rate in premature infants. L. Ch. Novikova and others. Fiziol. zhur., 53 no. 1, 416-420, Ap '67.
Determination of some indices of pulmonary respiration by the electrokymography method (statidensigraphy) in bronchial asthma. T. K. Gurskaya. Vest. rent. i rad., 12 no. 2, 51-56, Mi-Ap '67.
Determination of the sensitivity of the respiratory center in man to carbon dioxide. R. S. Vinitskaya, N. A. Koganova. Fiziol. zhur., 53 no. 4, 450-451, Ap '67.
Effect of recurrent laryngeal nerve on respiration. V. K. Ustinova. Trudy Oren. old. Vses. fiziol. ob-va, no. 3, 174-170, '64.
Effect of the upper laryngeal nerve on respiration. A. N. Alekseeva, S. P. Prokudina, Z. A. Tamarov. Trudy Oren. old. Vses. fiziol. ob-va, no. 3, 15-10, '64.
Oxygen tension in brain tissue following inhalation of 100 percent and 2 percent oxygen. I. I. Gieshtshin. Trudy Oren. old. Vses. fiziol. ob-va, no. 3, 67-73, '64.
Relationship between respiratory and cardiovascular centers. A. V. Trubetskoi. Fiziol. zhur., 49 no. 10, 1215-1220, O '63.
Simultaneous sphygmography. B. D. Lishchinskii. Voenn.-med. zhur., no. 3, 90-91, Mi '67.
- RESPIRATORY ORGANS—DISEASES**
Changes in the respiratory tract in rabbits under continuous effect of tobacco smoke. G. P. Georgadze, P. N. Krasnianskaya. Vop. onk., 13 no. 4, 58-62, '67.
Immunomorphology of respiratory virus infections in children. B. S. Gismat. Vkh. pat., 20 no. 1, 33-39, '67.
- RESPIRATORY ORGANS—INNERVATION**
Effect of oxygen inhalation on reflex excitability of the respiratory center. G. A. Vaksolger, L. F. Lashchenko. Trudy Oren. old. Vses. fiziol. ob-va, no. 3, 50-59, '64.
Reflex excitability of the respiratory center following excision of vision, hearing, and olfaction: receptors in dogs. A. S. Noskova. Trudy Oren. old. Vses. fiziol. ob-va, no. 3, 107-114, '64.
Reflex excitability of the respiratory center in the course of defensive conditioned response. R. A. Forshad. Trudy Oren. old. Vses. fiziol. ob-va, no. 3, 100-100, '64.
- RESPIRATORY ORGANS—MICROBIOLOGY**
Sensitivity of microflora of the upper respiratory tract to sulfanilamide drugs. M. Sh. Mill'man. Zhur. ush., nos. 1, 60, 1, 20 no. 2, 13-17, Mi-Ap '60.
- RESPIRATORY ORGANS—TUMORS**
Fluorescent cytologic diagnosis of tumors of the upper respiratory tract. K. P. Markova. Vop. onk., 13 no. 4, 62-66, '67.
- REST**
Effect of prolonged stay in mean physiological rest state on human adaptation to vertical position. I. U. V. Vanushina, N. E. Ponomareva. Pat. fiziol. i eksp. ter. ap, 10 no. 2, 21-26, Mi-Ap '67.
- RESTAURANTS, LUNCHROOMS, ETC.**
For the benefit of the people: an interview with A. T. Giruev, Minister of Trade of the U.S.S.R. Agitator, 34 no. 8, 26-28, Ap '67.
- RESUSCITATION**
Mobile table with a kit for resuscitation. M. I. Shakhov, V. S. Sugonjaev. Voenn.-med. zhur., no. 4, 83, Ap '67.
- RESUSCITATION—CONGRESSES**
Second Scientific Conference on Anesthesiology and Resuscitation. S. A. Bogomolov. Voenn.-med. zhur., no. 4, 91-94, Ap '67.
- RETAIL TRADE**
(see also subdivision under Germany, East)
Lekhova, Z. N. [Planning for the turnover of goods in consumers' cooperatives] Planirovanie tovaroborota potrebiteľskoi kooperatsii. Moskva, Ekonomika, 1967, 109 p.
[Trade abroad] Torg. za rub. nos. 4-5, '67.
- RETAIL TRADE—ACCOUNTING**
Centralization of accounting in trade. P. Sumin. Bukh. uchet, 26 no. 4, 22-26, Ap '67.
- RETAIL TRADE—AUDITING AND INSPECTION see subdivision under Leningrad**
- RETAIL TRADE—FINANCE**
Sokolov, F. M., and A. N. Ljubimov. [The trade and financial plan of a store] Torgfinplan magazina. Moskva, Ekonomika, 1967, 143 p.
- RETICULUM (RUMINANTIA)—SURGERY**
Methodology for obtaining isolated part of the reticulum of ruminants. V. F. Vlahin. Izv. VSKHA, no. 1, 171-174, '68.
- RETINA—BLOOD SUPPLY**
Dynamic control of intraocular pressure based on the observation of spontaneous pulse of the central retinal vein. M. I. A. Baidichevskii. Zhur. nev. i psikh., 67 no. 1, 529-534, '67.
- RETROPERITONEAL SPACE—CANCER**
Late results of X-ray treatment of malignant retroperitoneal tumors in children, two cases. M. A. Mints. Med. rad., 12 no. 4, 30-32, Ap '67.
- RETROPERITONEAL SPACE—TUMORS**
Myomas of the retroperitoneal space and abdominal cavity. I. U. A. Dykhno. Khirurgia, 13 no. 1, 56-59, Ap '67.
- REVOLUTIONS**
Problem of the 'revolutionary situation.' M. T. Andriushenko. Vop. ist. KPSS, 11 no. 5, 100-104, My '67.
Problem of V. I. Lenin's conception of the 'revolutionary situation.' A. D. Perevozov. Vop. ist. KPSS, 11 no. 5, 94-99, My '67.
The tempo of the development of the national liberation revolutions at the present stage. E. M. Zlukov. Mezhdunar. zhurn. 11 no. 5, 70-71, '67.
Theoretical problems in V. I. Lenin's work "The state and the revolution." IE. Nazarenko. Rad. pravo, no. 1, 3-7, Ap '67.
V. I. Lenin on the national liberation movement. A. Reznikov. Kommunist, 44 no. 7, 91-102, My '67.
- REWARDS (PRIZES, ETC.)**
Congratulations on the award. Form. i sp. i. prom., 33 no. 3, 8-11, '67.
A high evaluation obliges us. Bibliotekar', 44 no. 4, Ap '67.
- RHENIUM**
Ion-exchange separation of rhenium from alkaline solutions. K. B. Lebedev, S. A. Ageev. Izv. AN Kazakh SSR, Ser. khim., 17 no. 2, 5-11, Mi-Ap '67.
- RHENIUM CHLORIDE—DENSITY**
Orthobaric densities and viscosity of liquid tungsten and rhenium oxytetrachlorides. L. A. Niseľson, R. K. Nikolaev, Z. N. Orshanskaya. Zhur. neorg. khim., 12 no. 1, 860-863, Ap '67.
- RHENIUM COMPOUNDS**
Phase diagrams of the systems gadolinium - rhenium and erbium - rhenium. E. M. Savitskii, O. Kh. Khamidov. Izv. AN SSSR, Neorg. mat., 3 no. 4, 610-655, Ap '67.
Study of complex-forming processes in the system rhenium - thiocyanate from the standpoint of analytical applications. N. Jordanov, M. Pavlova. Zhur. anal. khim., 22 no. 2, 212-217, '67.
- RHENIUM COMPOUNDS—SPECTRA**
Infrared absorption spectra of pentavalent rhenium complex compounds containing oxygen in the inner sphere. Dipak Kumar Chakrabarti, V. I. Ponesh, B. N. Ivanov-Limin. Zhur. neorg. khim., 12 no. 3, 697-699, Mi '67.
- RHENIUM ISOTOPES**
Lower states of Rh^{101} and Rh^{103} nuclei excited in the (n, γ) -reaction. P. T. Pichko'ev, L. I. Shumova. Izd. fiz. 9 no. 4, 607-700, Ap '67.
- RHENIUM-MOLYBDENUM ALLOYS see Molybdenum-rhenium alloys**
- RHEOLOGY**
Complete rheological curves of aqueous dispersions of argillaceous minerals. N. N. Kuznetsov. Dokl. AN URSR, Ser. B, 20 no. 3, 247-251, Mi '67.
Rheological properties of lime suspensions as influenced by the addition of small amounts of electrolytes. P. P. Budnikov, R. D. Azelitskaya, N. A. Prokhodchenko. Dokl. AN SSSR, 165 no. 6, 1302-1364, D '65.
Rheological properties of steel and lead. V. N. Vydrin, L. M. Ageev. Izv. AN SSSR, met., no. 2, 101-106, Mi-Ap '67.
Structure of aluminate solutions. S. I. Kuznetsov, V. M. Novozhenov, F. F. Fedinaev. Zhur. prikl. khim., 40 no. 4, 807-809, Ap '67.
- RHEUMATIC FEVER**
Comparative characteristics of the diagnostic significance of some biochemical indices of the activity of rheumatism. I. U. P. Cherehinskaia. Sov. med., 30 no. 3, 42-43, Mi '67.
- RHEUMATIC HEART DISEASE**
Quantitative study of acid mucopolysaccharides of the auricular appendage in rheumatism. M. G. Reviz. Arkh. pat., 29 no. 4, 24-29, '67.
Resochin therapy of rheumatic fever. T. I. Bibikova, I. A. Sigidin. Sov. med., 27 no. 8, 22-27, 1963.

RIGA—LIBRARIES
 Villa Laca Latvijas PSR valsts biblioteka. [The Villa
 Laca State Library of the Latvian S.S.R., a guidebook]
 Villa Laca Latvijas PSR Valsts biblioteka, celvedis, Red.
 A. Deglins. Riga, Zvaigzne, 1986. 55 p. (in Latvian)

- ROCKETS (AERONAUTICS)—FUELS**
Basis for the use of motor, jet and rocket fuels. A. I. Stekhun. Khim. i tekhn. topl. i masel 12 no. 1:64-3 of cover Apr '67.
- ROCKETS (AERONAUTICS)—STABILITY**
Stability of the stationary movements of satellites with a rotor and a cavity containing liquid. V. V. Rumyantsev. Kosm. issl. 5 no. 2:163-169 Mar-Apr '67.
- ROCKS** see subdivision under Krivoy Rog Basin
- ROCKS—ANALYSIS**
(see also subdivision under Georgia)
Determining selenium in minerals and rocks containing carbonized organic matters. T. L. Belopolskaya. Trudy VSEGEI 125 '66.
- ROCKS—CLASSIFICATION AND NOMENCLATURE**
Classification of volcanic sedimentary rocks. V. T. Golov. Bul. MOIP, Old. geol. 42 no. 1:102-108 Jan-Feb '67.
- ROCKS—ELECTRIC PROPERTIES**
Frequency dependence of the electric properties of rocks as a result of hydrodynamic phenomena. G. A. Ostoumov. Izv. AN SSSR, Fiz. zem., no. 9:73-84 '65.
- ROCKS—PERMEABILITY**
Dependence of the relative amplitude of damped longitudinal elastic waves on the porosity parameter of near-surface form rocks. V. G. Indutnyi, O. F. Plotnikova, N. I. Chalkovskaya. Dop. AN URSS, Ser. B 20 no. 1:11-43 Jan '67.
Volume changes in gas-filled pores of sample depending on pressure taking into account mass transfer process. I. U. G. Mamadov and others. Izv. vys. ucheb. zav., nef. i gaz 10 no. 2:53-55 '67.
- ROCKS—TESTING**
Determining aggregate hardness of rocks. V. V. Sevrtkov, V. E. Aleksandrov. Ugol. Ukr. 11 no. 2:16-17 Feb '67.
- ROCKS—THERMAL PROPERTIES**
Effect of temperature variations on strength of rocks in wells. F. G. Paradzhev, M. D. Pataliev, Sh. I. Ismailov. Azerb. neft. khoz. 46 no. 1:5-27 Mar '67.
- ROCKS, CARBONATE**
Some characteristics of distribution of natural radioactive elements in carbonate rocks. V. V. Lartanov, M. D. Shvartsmann. Geokhimiya no. 2:221-227 Feb '67.
- ROCKS, IGNEOUS**
(see also subdivision under Baltic Lake region; Baltic Shield, Gissar Range, Kazakhstan, Kurile Islands, Mongolia, Terek Range; Ural Mountains; Yugydvyktul Valley)
Gaseous composition of solutions which participated in the formation of crystal-bearing veins in skarns. M. M. Elinson, V. S. Polykovskii. Geokhimiya no. 2:170-177 Feb '67.
Leaching of aluminum silicates of igneous rocks. G. N. Danilova. Glukhokh. mat. 12:231-236 '66.
Methodology of X-ray determination of trivalent system of orthoclases for solving problems of rock genesis. N. M. Shmakin, G. G. Afonina. Dokl. AN SSSR 171 no. 2:417-420 Mar '67.
- ROCKS, IGNEOUS—ANALYSIS** see subdivision under Magadan Province
- ROCKS, SEDIMENTARY**
(see also subdivision under Tatar A.S.S.R.)
Argon of ancient atmosphere in minerals of sedimentary rocks. V. V. Cherdynstev, E. M. Kolesnikov. Dokl. AN SSSR 165 no. 6:1405-1408 Dec '65.
Characteristics of lowermost airfa of Tuleitkan series. I. U. V. Stankovich. Nauch. trudy TashGU no. 273:113-120 '66.
Morphology of the massifs of sedimentary rocks. I. U. A. Onitschenko, I. U. P. Zubarev. Ugol. Ukr. 11 no. 3:46-49 Mar '67.
- ROCKS, SEDIMENTARY—ANALYSIS** see subdivision under Apsheron Peninsula region
- ROCKS, SEDIMENTARY—PERMEABILITY** see subdivision under Gnidin Oil Field
- ROCKS, SEDIMENTARY—SEISMIC PROPERTIES**
Seismicity as a probable factor of coal metamorphism and libification of sedimentary rocks. M. Z. Ignatenko. Dop. AN URSS, Ser. B 20 no. 4:305-308 Apr '67.
- RODCHENKO, ALEKSANDR MIKHAILOVICH, 1891-1956**
A. M. Rodchenko on the 75th anniversary of his birth. N. Antonov. Tekh. est. 4 no. 2:36-39 Feb '67.
- RODENTS**
Ecologic and morphologic adaptation of main venous vessels in rodents living in burrows. G. L. Tumanov. Dop. AN URSS, Ser. B 20 no. 4:361-364 Apr '67.
- RODENTS—BIBLIOGRAPHY** see Bibliography—Rodents
- RODENTS—DISEASES AND PESTS**
Listeriosis cases in wild rodents of the forest tundra in the north of central Siberia. T. N. Dunayeva, B. P. Dobrovotov, K. N. Shlygina. Zool. zhur. 16 no. 2:272-273 Feb '67.
- RODENTS—EXTERMINATION**
Relationship among close species of lesser rodents and their population control. T. V. Koskina. Mat. k. pozn. fauny i flory SSSR, Ord. zool. no. 4:15-27 '67.
- ROLLER BEARINGS**
Load distribution in a bearing with hollow rollers. A. M. Grigoriyev and others. Tekh. org. proizv. no. 2:96-99 Mar-Apr '67.
Securing the efficiency of paired cylindrical roller bearings. N. V. Rodzavich. Vest. mashinosti. 47 no. 4:37-39 Apr '67.
- ROLLERS (EARTHWORK)**
Hydraulic displacement transmissions of foreign automatic rollers. S. A. Vaganov, V. M. Rozhkin. Stroitel. mash. 12 no. 4:116-118 Apr '67.
Screened roller with compacting projections. I. U. M. Vasiliev, E. F. Ansona. Stroitel. mash. 12 no. 4:3-4 Apr '67.
- ROLLING (METALWORK)**
Analysis of metal shape changes during rolling. M. I. A. Buvman. Izv. AN SSSR, Met. no. 2:97-103 Mar-Apr '67.
Analyzing new methods of determining pressure during rolling on blooming mills. V. A. Tolstov, V. L. Pavlov. Nauch. trudy Dnepr. inst. cher. met. 21:260-266 '65.
Bite of strip during its rolling in grooves. I. U. S. Chernobilenko. Nauch. trudy Dnepr. inst. cher. met. 21:299-305 '65.
Certain basic characteristics of the process of rolling large ingots. V. P. Kotelnikov, L. I. A. Tarnovskii, M. I. Stasovskii. Izv. vys. ucheb. zav.; Chern. met. 10 no. 1:72-78 '67.
Cold rolling of rectangular sections for piston rings in hard-to-form steels. I. K. Lazarev. Stal' 27 no. 3:246-249 Mar '67.
Construction of sampled-data correlation systems for determining metal speed during rolling. I. V. Sytin, E. O. Karpov. Avtomatika 12 no. 1:69-71 Jan-Feb '67.
Determination of the parameters of an inertial controller of the speed of a continuous sheet-rolling mill. V. P. Bychkov and others. Trudy MEI no. 66:233-242 '66.
Determining average specific pressure in longitudinal rolling. M. L. Zoroshchinskii. Izv. vys. ucheb. zav.; mashinosti. no. 1:180-185 '67.
Determining tension during continuous rolling taking into account relaxation. M. I. A. Buvman, V. N. Vydrin, V. Kh. Rimen. Izv. vys. ucheb. zav.; Chern. met. 10 no. 4:69-71 '67.
Determining the fields of displacement speeds of the bent elements of a strip during its shaping by rolls of a section bending mill. I. U. N. Aikacov, I. S. Pishchikov, M. E. Doktorov. Samolety i tekhn. vs. d. flota no. 1:69-69 '66.
Determining the initial diameter of rods for the production of narrow steel strip. M. I. Zlotnikov. Stal' 20 no. 5:476-479 May '60.
Effect of the shape of ingot ends on slipping conditions. I. D. Kuzema. Stal' 20 no. 5:439-441 May '60.
Engineering calculation of torques in simple and continuous rolling. V. N. Vydrin, I. M. Ageev. Izv. vys. ucheb. zav.; mashinosti. no. 2:138-141 '67.
Experience in manufacturing channel beams. N. K. Rabokon' and others. Metallurg 12 no. 3:24-26 Mar '67.
Experimental check of the natural bite formula. A. P. Grudev. Izv. vys. ucheb. zav.; Chern. met. 10 no. 3:68-71 '67.
Influence of strain hardening and temperature on mechanical properties of Kh18Ni9Ti steel. V. I. Meloshko, A. P. Kechalov. Nauch. trudy Dnepr. inst. cher. met. 21:316-318 '65.
Influence of the geometric shape of inclined passes on strip resistance to rolling. I. A. Sharapov. Stal' 27 no. 3:250-251 Mar '67.
Manufacture of No. 60 lightweight H-beams. E. Z. Freidenzon and others. Stal' 27 no. 3:244-246 Mar '67.
Manufacture of rails from slabs of continuous casting. I. U. M. Chizhikov and others. Stal' 27 no. 3:240-243 Mar '67.
Manufacture of rails on continuous mills; open to discussion. V. L. Pavlov, G. G. Pobegailo. Nauch. trudy Dnepr. inst. cher. met. 21:337-341 '65.
Noncontact deformation of the tail end of strips during rolling on plain rolls. A. P. Grudev, V. M. Poleschuk. Nauch. trudy Dnepr. inst. cher. met. 21:21-23 '65.
Rolling billets with welded joints on light section and wire rod mills. I. U. G. Kufsov, V. L. Shibaev, V. Z. Dolinskaya. Nauch. trudy Dnepr. inst. cher. met. 21:250-255 '65.
Rolling flange sections with pull. A. P. Chokmarov and others. Nauch. trudy Dnepr. inst. cher. met. 21:287-298 '65.
Rolling of two-layer sheets for agricultural machine building. L. V. Meandrov and others. Metallurg 12 no. 3:31-32 Mar '67.
Slip during helical rolling. Report No. 2. V. I. A. Osadchii, V. B. Lenashin. Izv. vys. ucheb. zav.; Chern. met. 10 no. 3:77-78 '67.
- Svetits, V. E.** [Production and use of economical sections in rolled products] Proizvodstvo i primeneniye ekonomicheskikh profilei prokata. Moskva, Metallurgiya, 1967. 150 p.
- ROLLING (METALWORK)—DEFECTS**
Certain regularities in the formation of flaws along the inside square of pipes, open to discussion. N. M. Vedina-Kin, P. T. Nemashnev. Metallurg 12 no. 3:27-30 Mar '67.
Nature of internal laps on rolled seamless steel pipes. M. A. Tarapai, A. M. Burbyga, V. I. Laptekhin. Izv. vys. ucheb. zav.; Chern. met. 10 no. 3:84-90 '67.
- ROLLING (METALWORK)—EQUIPMENT AND SUPPLIES**
Industrial production of rolled section with thermo-mechanical treatment of 40-type steel. V. V. Andreeva and others. Stal' 27 no. 3:256-258 Mar '67.
- ROLLING (METALWORK)—MATHEMATICAL MODELS**
Construction of a mathematical model of the sheet rolling process. Report No. 3. V. P. Polukhin. Izv. vys. ucheb. zav.; Chern. met. 10 no. 3:60-67 '67.
- ROLLING (METALWORK)—MODELS**
Rheological properties of steel and lead. V. N. Vydrin, L. M. Ageev. Izv. AN SSSR, Met. no. 2:101-106 Mar-Apr '67.
- ROLLING (METALWORK)—SPEED**
Loading during rolling of circular shapes on continuous small section mills. G. P. Borisenko. Nauch. trudy Dnepr. inst. cher. met. 21:145-160 '65.
- ROLLING MILLS**
Analysis of the performance of roll bearings on continuous mills. I. A. Alimov, V. P. Lepskii, S. M. Il'inskiy. Stal' 20 no. 5:111-115 May '60.
Calculating the force of advance stress application in stands in measuring rolling pressure. G. G. Pobegailo. Nauch. trudy Dnepr. inst. cher. met. 21:232-236 '65.
Determining the radial specific pressure in flat rolling on the basis of plasticity theory for viscous-plastic materials with the help of finding the strain function. N. P. Spiridonov. Nauch. trudy Dnepr. inst. cher. met. 21:122-136 '65.
Influence of the mill on rolling in grooves. A. P. Chokmarov, V. P. Grechko, M. D. Kutaygin. Nauch. trudy Dnepr. inst. cher. met. 21:237-249 '65.
Nemitsushchii, V. V. [Cold wide-sheet rolling mill] Stan kholodnoi prokatki shirokikh listov. Moskva, Metallurgiya, 1967. 111 p.
Optimizing control of the armature voltage of rolling motors of roughing mills with damping speed equal to section speed. K. I. Korshunov. Izv. vys. ucheb. zav.; elektromekhn. no. 2:199-205 Feb '67.
Tension in power loops. O. N. Kukushkin. Nauch. trudy Dnepr. inst. cher. met. 21:368-372 '65.
- ROLLING MILLS—DESIGN AND CONSTRUCTION**
Loading during rolling of circular shapes on continuous small section mills. G. P. Borisenko. Nauch. trudy Dnepr. inst. cher. met. 21:145-160 '65.
Measuring strip tension with the aid of locking stands. A. P. Chokmarov, G. G. Pobegailo. Nauch. trudy Dnepr. inst. cher. met. 21:161-168 '65.
Present state and trends in expanding blooming mill production. V. L. Pavlov. Nauch. trudy Dnepr. inst. cher. met. 21:53-70 '65.
Studying transient processes in three stands of a continuous mill. A. P. Chokmarov, M. P. Popovskii. Nauch. trudy Dnepr. inst. cher. met. 21:121-121 '65.
Temperature conditions of rolling mill guides. Report No. 1. I. U. N. Taita and others. Izv. vys. ucheb. zav.; Chern. met. 10 no. 4:170-179 '67.
- ROLLING MILLS—ELECTRIC DRIVING**
The IPS equipment for measuring speed changes in the rotation of rolling mill motors. S. D. Grinberg and others. Nauch. trudy Dnepr. inst. cher. met. 21:363-367 '65.
Study of the dynamics of a multiple-motor drive of a hot rolling mill stand using a mathematical and modelling technique. V. P. Bychkov and others. Trudy MEI no. 66:225-232 '66.
- ROLLING MILLS—EQUIPMENT AND SUPPLIES**
(see also subdivision under Zaporozhye)
Analyzing the design of two-drum-type flying shears. V. M. Lebeda. Nauch. trudy Dnepr. inst. cher. met. 21:373-388 '65.
Prediction of peak moment in rolling roll mechanisms on a cold rolling reversing mill. A. N. Popov. Izv. vys. ucheb. zav.; Chern. met. 10 no. 3:72-76 '67.
Investigating electric welding machines and the conditions of welding continuous blanks on the 350-2 mill. A. P. Chokmarov and others. Nauch. trudy Dnepr. inst. cher. met. 21:5-17 '65.
Mechanism for the turning of ingots. L. Rodionov. Metallurg 12 no. 3:32-33 Mar '67.
Parameters of rolling processes with tension. A. P. Chokmarov, V. P. Grechko, M. D. Kutaygin. Nauch. trudy Dnepr. inst. cher. met. 21:71-81 '65.
Selecting the optimum angle of outer dressing in cutting billets for rolling mills. A. P. Chokmarov, V. M. Krimenko, I. U. M. Chumanov. Nauch. trudy Dnepr. inst. cher. met. 21:342-349 '65.

- RUBIDIUM**
Geochemistry of rubidium in underground waters. S. R. Krainov, S. D. Kapranov, N. G. Petrova, Geokhimiya no. 2 185-196 F '67.
- RUBIDIUM CHLORIDE—SOLUBILITY**
System $RbCl - KCl - H_2O$ at $25^\circ C$. B. D. Stepin, A. A. Takeev, Zhurnal khim. 12 no. 4 1102-1103 Ap '67.
- RUBIES—OPTICAL PROPERTIES**
Method for the evaluation of the quality of rubies by the scattering of light. A. I. Koltadin, Opt.-mekh. prom. 34 no. 3 6-9 Mi '67.
- RUBIN, VLADIMIR IL'ICH, 1924-**
Three film men. A. Orlov. Sov. radio i tel. 9 no. 6 42 '60.
- RUE**
Study of flavonoid compounds of the Phellodendron sachalinense leaves. O. I. Shcheluk, Dop. AN URSS Ser. B 29 no. 5 451-454 My '67.
- RULERS (INSTRUMENTS)**
Circular logarithmic rule. G. Gomon, Zashchita 29 no. 1 71-72 Ap '67.
- RUMANIA—BIBLIOGRAPHY**
[New literature on Rumania] Nov. lit. po Rum. nos. 1, 4 '67.
- RUMANIA—GAS WELL CEMENTING**
Cementing gas wells in Tulent area. L. Maclean, Gaz. prom. 12 no. 4 11-15 Ap '67.
- RUMANIA—ILLUSTRATION OF BOOKS**
Rumanian illustration of books. N. Peningakina, Iskustvo 30 no. 3 53-56 '67.
- RUMINANTIA—EMBRYOLOGY** see Embryology—Ruminantia
- RUMEN**
Effect of some organic acids on nitrogen metabolism in the rumen of ruminants. P. I. Zherchitsov, A. I. Gintsev, Izv. TSRIA no. 1 168-170 '66.
- RUMEN—BLOOD SUPPLY**
Methods for obtaining blood flowing from rumen and its chambers. A. A. Aliev, Fiziol. zhur. 53 no. 4 450-452 Ap '67.
- RUNOFF**
(see also subdivision under Birsak; Krasnoyarsk Reservoir region; Yoniso Valley)
Considering forest influence in calculating and forecasting spring streamflow. A. I. Subbotin, Trudy TSIP no. 11 33-33 '66.
Effect of intensity of precipitation on amount of hydrograph of rain floods. N. A. Podvishenskaya, Trudy TSIP no. 14 71-80 '66.
Karivishvili, N. A. [Theory of probability processes in hydrology and regulation of streamflow] Teoriya veroyatnostnykh protsessov v gidrologii i regulirovaniye rechnogo blizka. Leningrad, Gidrometeorologicheskoe izd-vo, 1967. 200 p.
Maximal water reserves in snow cover of European part of U.S.S.R. based on data of 1892-1960. V. D. Komarov, E. S. Sinigub, Trudy TSIP no. 148 150-160 '66.
- RURAL CONDITIONS**
Ensuring the supply of fuel to rural regions is an important condition for overcoming socioeconomic differences between cities and villages. V. L. Chubaiyi, Vysok. L'viv, un. Ser. nisp. nauk no. 2 111-118 '66.
New features in everyday life in the rural areas. Kommunist 41 no. 8 82 My '67.
The rural areas are getting well organized; its experiences and problems. I. Altschenko, Kommunist 44 no. 8 75-82 My '67.
- RURAL CONSTRUCTION—AUDITING AND INSPECTION** see subdivision under Nikolayev Province
- RURAL EDUCATION** see Education, Rural
- RURAL ELECTRIFICATION**
(see also subdivision under Ukraine)
Determination of optimal configuration of rural electrical networks. L. A. Galustova, A. I. Momot, S. P. Stukin-skaia, Energ. i elek. no. 2 43-45 Mr-Apr '67.
- RURAL LIBRARIES**
(see also subdivision under Karmaly-Guboyovo, Bashkiriya; L'gov District, Kursk Province, Penza Province)
Zhak, D. K., and T. I. Silina. [The organization of reference systems and catalogs of district libraries; a practical manual] Organizatsiya fondov i katalogov raionnoi biblioteki; prakticheskoe posobie. Moskva, Kniga, 1967. 128 p.
- RURAL MEDICINE** see Medicine, Rural
- RUSAKOV, IVAN VASIL'EVICH, 1877-1921**
Podilashuk, P. I. [A tale about the "red doctor"] Povesi o "krasnom doktore." [Moskva] Mosk. rabochi, 1967. 166 p.
- RUSSIA—AIR FORCE**
Components of combat readiness. N. Ostroumov, Av. i kosm. no. 4 39-42 Ap '67.
- RUSSIA—AIR FORCE—OFFICERS**
Carry the relay of courage and skill with dignity. N. Chugunov, Av. i kosm. no. 4 2-7 Ap '67.
Lieutenants assault the sky. Av. i kosm. no. 4 27-29 Ap '67.
Their feats have been recorded by their country. A. Bulnakov, Av. i kosm. no. 4 17-26 Ap '67.
- RUSSIA—AIR FORCE—POLITICAL ACTIVITY**
There should be an individual approach to each serviceman. I. Ivanov, Komm. Vooruzh. Sil 48 no. 8 68-71 Ap '67.
- RUSSIA—ARMED FORCES**
Disregarding hardships. M. Parslan, Ty. i snab. Sov. Voor. Sil 27 no. 4 15-48 Ap '67.
For the good of the cause. I. Panfilenok, Ty. i snab. Sov. Voor. Sil 27 no. 4 54-55 Ap '67.
Fulfilling Lenin's legacy. Ty. i snab. Sov. Voor. Sil 27 no. 4 2-7 Ap '67.
Guarding the fatherland. A. Leonov, Radio no. 2 1-2 F '67.
In Frantsuzskaya, G. Babkin, Ty. i snab. Sov. Voor. Sil 27 no. 4 30 Ap '67.
The oath. V. Gromov, Mol. komm. no. 3 23-27 '67.
Physiology of nutrition and cookery. P. Kalnykov, V. Mikhalov, Ty. i snab. Sov. Voor. Sil 27 no. 3 40-52 Mr '67.
Roll call of generations. I. P. Lytyl, Vest. protivovozd. obor. no. 3 17-26 Mi '67.
A worthy welcome for the great holiday. Vest. protivovozd. obor. no. 3 1-6 Mi '67.
- RUSSIA—ARMED FORCES—COMPETITION**
Competition for the best invention. Vest. protivovozd. obor. no. 3 63 Mr '67.
Competition is concluded. Tekh. i vooruzh. 26 no. 2 21 F '67.
- RUSSIA—ARMED FORCES—FINANCE**
In close connection with practice. I. Iatvinov, Ty. i snab. Sov. Voor. Sil 27 no. 4 68-71 Ap '67.
New planning system. I. Solov'ev, Ty. i snab. Sov. Voor. Sil 27 no. 3 64-67 Mr '67.
Propagation of economic knowledge. F. S. Kvelkin, Vest. protivovozd. obor. no. 3 31 Mr '67.
Spring cases of unit economists. N. Makarov, Ty. i snab. Sov. Voor. Sil 27 no. 4 38-45 Ap '67.
The thrifty hold a conference. V. Medlov, Ty. i snab. Sov. Voor. Sil 27 no. 4 65-68 Ap '67.
- RUSSIA—ARMED FORCES—GUARD DUTY**
At a post. IU. Zakharov, Sov. voyn. 49 no. 5 6-7 Mr '67.
- RUSSIA—ARMED FORCES—MEDICAL SUPPLIES**
Loading and transport of medical equipment on AN-2 airplanes. G. V. Shakhovenko, V. L. Bondarenko, Voenn.-med. zhur. no. 3 71-73 Mi '67.
- RUSSIA—ARMED FORCES—MILITARY LIFE**
The Soviet people to their troops. Ty. i snab. Sov. Voor. Sil 27 no. 3 2-6 Mr '67.
- RUSSIA—ARMED FORCES—OFFICERS**
They will become officers. N. Shuchkin, Kryl. rod. 16 no. 4 8-9 Ap '67.
- RUSSIA—ARMED FORCES—POLITICAL ACTIVITY**
Ardent propagandists of party ideas. Vest. protivovozd. obor. no. 3 7-10 Mr '67.
From the editor's mail. Komm. Vooruzh. Sil 48 no. 8 89 Ap '67.
How the party cares about the ideological growth of officers. G. P. Danin, Vest. protivovozd. obor. no. 3 11-16 Mr '67.
Ideological work of party organizations. M. Sobolev, Komm. Vooruzh. Sil 48 no. 8 55-61 Ap '67.
In military districts and fleets. Komm. Vooruzh. Sil 48 no. 8 94-96 Ap '67.
Messengers of the people. B. Ivanov, R. Turchenko, Sov. voyn. 49 no. 5 2-3 Mr '67.
People of noble duty. N. Belous, Komm. Vooruzh. Sil 48 no. 8 30-41 Ap '67.
Raise the ideological level of teaching scientific subjects. V. I. Aleksashin, Vest. protivovozd. obor. no. 3 58-60 Mi '67.
- RUSSIA—ARMED FORCES—REGULATIONS**
Russia (U.S.S.R.) Ministerstvo oborony. [Disciplinary regulations of the Armed Forces of the U.S.S.R.] Disziplinarnyy ustav Vooruzhennykh Sil Sotuzha SSR, Moskva, Voenizdat, 1967. 47 p.
- RUSSIA—ARMED FORCES—SPORTS**
What concerns us. V. Garbar and others. Sov. voyn. 49 no. 5 42-43 Mr '67.
- RUSSIA—ARMED FORCES—SUPPLIES AND STORES**
Always searching. A. Ovsienko, Ty. i snab. Sov. Voor. Sil 27 no. 3 43-45 Mr '67.
The rear and combat readiness of rocket troops. V. Tolubko, Ty. i snab. Sov. Voor. Sil 27 no. 3 13-18 Mr '67.
- RUSSIA—ARMED FORCES—TECHNOLOGICAL INNOVATIONS**
Toward new achievements. N. Schastny, A. Kiselev, Tekh. i vooruzh. 26 no. 1 36-37 Ja '67.
- RUSSIA—ARMED FORCES—WOMEN**
Solicitous hands, ardent hearts. V. Ignatukha, Ty. i snab. Sov. Voor. Sil 27 no. 3 55-57 Mi '67.
- RUSSIA—ARMY—COMMISSARIAT**
Experience in the organization of diet nutrition in construction units. IU. B. Nikolaev, Voenn.-med. zhur. no. 4 81 Ap '67.
Field combines during the Great Patriotic War. I. Kats, N. Aleksaev, I. Mampel, Mias. ind. SSSR 38 no. 4 4 Ap '67.
- RUSSIA—ARMY—FIREARMS**
Pistols and revolvers. Voenn. znan. 43 no. 3 30 Mr '67.
- RUSSIA—ARMY—HISTORY**
Here our army was born. IU. Vasiliin, Voenn. znan. 43 no. 2 31 F '67.
History itself tells. Voenn. znan. 43 no. 2 3-5 F '67.
The revolutionary guard is almost half a century old. Voenn. znan. 43 no. 2 1-2 F '67.
- RUSSIA—CENSUS**
Russia (U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [Instruction on the procedures for conducting the all-Union population census of 1959 and for the filling of the questionnaire] Instruktsiya o poradke provedeniya vserossiyskogo perepisi naseleniya 1959 goda i zapolneniya perepysnogo lista. Moskva, Gosstatizdat, 1958. 26 p. (DRC)
- RUSSIA—COMMERCE**
Contribution to the building of socialism. I. Shorshnev, Vnesh. tovg. 47 no. 3 6-8 '67.
Export expands. N. Vasil'ev, Vnesh. tovg. 47 no. 1 17-18 '67.
Foreign trade during the period of the reconstruction of national economy. L. Piel, Vnesh. tovg. 47 no. 3 4-5 '67.
[Foreign trade of the U.S.S.R. in 1960-1965, statistical data on the volume of the foreign trade of the U.S.S.R., export and import of the most important commodities] Vneshnaya torgovlya Sotsialisticheskogo Soyuza za 1960-1965 gg.; statisticheskie dannye ob ob'eme vneshehnego torgovogo SSSR, eksporte i importe vazhnishchikh tovarov. [n.p., n.d.] 15 p. ("Vneshnaya torgovlya," no. 9 za 1965 god [prilozhenie])
Kniyshanov, P. I., and A. N. Kuptenko. [The journal-voucher accounting system in trade] Zhurnal'no-order-nalaya forma ucheta v torgovle. Moskva, Ekonomika, 1965. 218 p.
On a uniform accounting plan for state trade and consumers' cooperatives. A. Abdulkhaev, Bukh. uch. 26 no. 4 30-31 Ap '67.
- RUSSIA—COMMERCE—CZECHOSLOVAKIA**
Foreign trade of Czechoslovakia under the new conditions. M. Chistakov, Vnesh. tovg. 47 no. 3 22-25 '67.
- RUSSIA—COMMUNIST PARTY** see Communist Party of the Soviet Union
- RUSSIA—CONSPIRACY OF DECEMBER, 1825**
An interesting way of education and training. T. G. Sokolovskaya, Sres. spets. obr. 13 no. 10 13-15 O '66.
- RUSSIA—ECONOMIC CONDITIONS**
The fourth year of the seven-year plan, facts and figures. Agitator no. 1 14-17 Ja '62.
[From the October Revolution to the building of communism] Ot Oktabria k stroitel'stvu kommunizma; sbornik statei. Moskva, Nauka, 1967. 308 p.
A good start of the anniversary year. Agitator 34 no. 8 3-5 Ap '67.
Great is the road of our people. Nach. shkola 36 no. 1 14-10 Ap '67.
The Great October Revolution and rapid development of the socialist nations. J. Paleckiy, Kommunist 41 no. 8 22-33 My '67.
A prerequisite for the building of communism. P. Chalkin, Agitator no. 1 5-8 Ja '62.
Problem of the New Economic Policy and the new bourgeoisie. I. A. Trifonov, Vop. ist. KPSS 11 no. 4 50-60 Ap '67.
The Soviet people in war and peace. Alexander Worth, Nov. vrem. 25 no. 19 5-8 My '67.
- RUSSIA—ECONOMIC POLICY**
Differentiated balance of incomes and consumption of the population as an instrument of planning prospectus. V. F. Meier, Vest. Mosk. un. Ser. 7. Ekon. 22 no. 2 31-37 Mr-Apr '67.
The economic reform; experiences and problems. Komm. Ukr. 41 no. 4 72-82 Ap '67.
The economic reform and the training of engineers in economics. S. A. Sarkisyan, Vest. vyssh. shkoly 25 no. 3 25-30 Mr '67.
International significance of the building of communism in the U.S.S.R. G. A. Deborin, Vop. ist. KPSS 11 no. 5 72-82 My '67.

RUSSIA—ECONOMIC POLICY (Continued)

Lenin's concern for the people's welfare. *Bozop truda i prom.* 10 no 4-1-2 Ap '66

Let us greet the great holiday with a worthwhile accomplishment. *Okhr.tiuda i sots.stroiki* 10 no 4-1-2 Ap '67.

Molyev, A.S. [For the benefit of the people; on raising the material well-being and cultural level of the people in the new five-year plan]. *Dlia blaga naroda, o povyshenii mater'ial'nogo blagosostoiia i kul'turnogo urovnia zhizni naroda v novoi platielke*. Moskva, Politizdat, 1967. 46 p. (Nasskazy o platielke)

National economic plan and accountants' tasks. *Bukhg uchot.* 20.1-3-6 Ja '67.

Problems of centralized and territorial planning. A.Shtul'man. *Plan.khoz.* 41 no 5-17-22 My '67.

Resolution of the plenary session of the Central Committee of the CPSU in September 1965 on the role of objective economic laws. M.I.Petrovskiy. *Vsnyk L'viv. un. Ser. susp. nauk* no 2 67-73 '68

Sakov, M.P. [Economic and political problems in the work of the CPSU]. *Ekonomika i politika v detael'nosti KPSS*. Moskva, Znania, 1967. 63 p. (Novoe v zhizni, nauke, tekhnike. XV Seriya Istoriia i politika KPSS, 3)

Senchenko, V.I. [Leninist principles of industrial management in action]. *Lenin'ski priyemly upravleniia hospodars'tvom v dli. Kyiv, Znania*, 1966. 45 p. (CaOTU)

RUSSIA—ECONOMIC POLICY—CONGRESSES

Conference on developing the productive forces. V.A. Eliseev. *Izv. SO AN SSSR* no.1 138-139 Ja '67.

RUSSIA—FEBRUARY REVOLUTION, 1917

April 1917. G. Antonov, I.U. Figtner. *Moi komn.* no 4 1-12 '67

Brief news of the February Revolution. G.Grebennikov. *Moi komn.* no 2 40-49 '67.

The course toward socialism. *Sov. voim.* 49 no.5-3 Mi '67

Early history and development of the Anglo-American historiography of the February Revolution in 1917. G.Z. Ioffe. *Ist. SSSR* no.2 137-159 Mr-Apr '67.

On the eve of the revolution. E.Skripilev. *Sov. iust.* 31 no.7 18-20 Ap '67.

An organ serving the camp which was opposed to the October Revolution. E.A. Skripilev. *Sov. gos. i pravo* no.5 120-124 My '67.

A session devoted to the 50th anniversary of the February Revolution. L.A. Stepanov. *Vop. Ist. KPSS* 11 no.5 145-149 My '67.

RUSSIA—FOREIGN ECONOMIC RELATIONS

Role of the Azerbaijan S.S.R. in developing foreign economic relations of the Soviet Union with foreign countries. G.M. Kuliev. *Uch. zap. AGU. Ser. ekon. nauk* no.2 73-80 '61.

RUSSIA—FOREIGN ECONOMIC RELATIONS—FINLAND

Interview with N.S. Patolichyev, Minister of the Foreign Trade of the U.S.S.R. *Vnesh. iorg.* 47 no 3-3 '67.

Negotiations and agreements. *Vnesh. iorg.* 17 no 31 26-27 '67.

RUSSIA—FOREIGN ECONOMIC RELATIONS—MALAYSIA, FEDERATION OF

In the land of rubber. V.Spanfarian. *Nov. vrem.* 25 no 22-21-24 My '67

RUSSIA—FOREIGN RELATIONS

Chronicle of great accomplishments, December 1945-August 1946 (to be continued). *Mozhdunar. zhizn'* 14 no.5 133-141 '67.

The October Revolution, the masses and foreign policy. A. Galkin. *Mozhdunar. zhizn'* 11 no.5 60-69 '67

Some aspects of the activity of Russian diplomats in Europe in the first quarter of the 10th century. A.B. Kurnetsov. *Uch. zap. Mord. gos. un.* 28.177-193 '63.

RUSSIA—FOREIGN RELATIONS—CHINA

How a Russian mission was received in China in the 17th century. S.V. Semchynskiy. *Ukr. ist. zhur.* 11 no.4: 97-100 Ap '67.

RUSSIA—FOREIGN RELATIONS—CZECHOSLOVAKIA

The Soviet Union and destinies of Czechoslovakia. *Ludvik Svoboda. Nov. vrem.* 25 no.20-5-6 My '67.

RUSSIA—FOREIGN RELATIONS—FRANCE

Welcome! L.Korolev. *Sov. radio i tel.* 9 no.1-7 '60.

RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

The secret of nonsuccess. L.Sedin. *Nov. vrem.* 25 no.23-18-19 Je '67.

RUSSIA—FOREIGN RELATIONS—UNITED STATES

Face to face with America: excerpt from a book. *Sov. radio i tel.* 9 no.2 13-14 '60.

RUSSIA—HISTORIOGRAPHY

Historiography of the "Chernyi peredel" Group. E.R. Otkhovskiy. *Ist. SSSR* no.2 63-81 Mr-Apr '67.

RUSSIA—HISTORY

[History of the U.S.S.R.; a textbook for pedagogical institutions]. *Istoriia SSSR, uchebnik dlia pedagogicheskikh institutov*. Moskva, Prosveshchenie, Pt 1. 1966. 609 p. maps (insert)

[History of the U.S.S.R. from ancient times to our days in 20 series and twelve volumes]. *Istoriia SSSR s drevneishikh vremen do nashikh dnei v dvukh seriakh v dvadtsati tomakh*. Glav. red. sovet. B.N. Ponomarev i dr. Moskva, Nauka.

[First series, Vols. 1-6. From ancient times to the Great October Socialist Revolution]. *Pervaya seriia toma I-VI S drevneishikh vremen do Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii*. Glav. red. B.A. Rybakov.

Vol. 3. [Transformation of Russia into a great power. Popular movements of the 17th and 18th centuries]. *Prevrashchenie Rossii v velikuiu derzhavu. Narodnye dvizheniia XVII-XVIII vv. Redkollegia toma L.G. Deskravnyi i dr.* 1967. 740 p.

Some aspects of the activity of Russian diplomats in Europe in the first quarter of the 10th century. A.B. Kurnetsov. *Uch. zap. Mord. gos. un.* 28.177-193 '63

RUSSIA—HISTORY—BIBLIOGRAPHY

New studies on the history of the U.S.S.R. *Ist. SSSR* no.2 134-136 Mr-Apr '67.

RUSSIA—HISTORY—PERIODICALS

A conference of our readers in Rostov-on-Don. P.V. Dzhubenko. *Vop. Ist. KPSS* 11 no.5 140-151 My '67.

Our readers' suggestions. *Vop. Ist. KPSS* 11 no.6 151-155 My '67.

RUSSIA—HISTORY—SOURCES

Historical finds. *Ist. SSSR* no.2 214 Mr-Apr '67.

RUSSIA—HISTORY—STUDY AND TEACHING

Golubeva, T.S., and L.S. Gellershtein. [Methodological aid for the course "Episodic stories from the history of the U.S.S.R."]. *Metodicheskoe posobie k kursu "Epizodicheskie rasskazy po istorii SSSR"*. Moskva, Prosveshchenie, 1965. 246 p. (NIC)

RUSSIA—HISTORY, MILITARY

Communards were leaving for the front. A. Zhuravskii. *Voen. znani.* 43 no.3-5 Mr '67

RUSSIA—HISTORY, NAVAL

Called by the revolution. A.Evdokimov. *Voen. znani.* 43 no.3-12-13 Mi '67

RUSSIA—INDUSTRIES

Exposition of planet earth. E. Lebedev. *Vnesh. iorg.* 47 no.3 30-34 '67.

[On the roads toward communism]. *Na putakh k kommunizmu, sbornik statei*. [Leningrad] Lenizdat, 1966. 201 p.

RUSSIA—MANUFACTURES

Export expands. N.Vasil'ev. *Vnesh. iorg.* 47 no.3 17-18 '67.

RUSSIA—MANUFACTURES—FINANCE

Some characteristics of converting branches of the food and light industry to the new system of management. V. Maslennikov, V. Prokopenko. *Fin. SSSR* 41 no.4 84-90 Ap '67

RUSSIA—MANUFACTURES—PRICES

Some problems of reviewing profitability and revising prices in light industry. G. Kondrashov. *Fin. SSSR* 41 no.4 55-60 Ap '67

RUSSIA—NAVY

Timirev, S.N. [The Baltic Fleet during the time of war and revolution, 1914-1918; memoirs of a naval officer]. *Baltiiskii flot vo vremena volny i revoliutsii (1914-1918 gg.); vospominaniia morskogo ofitsera*. Izd. Amerikanskogo ob-va dlia izucheniia russkoi morskoi istorii. New York, 1961. 172 p. (IEN)

RUSSIA—NAVY—HANDBOOKS, MANUALS, ETC.

Pronezhkin, A.P., and others. [Manual for watch officers]. *Shtavochnik vakhtennogo ofitsera*. Pod obshch. red. A.P. Pronezhkina. Moskva, Voenizdat, 1967. 501 p.

RUSSIA—NAVY—POLITICAL ACTIVITY

Businesslike approach is characteristic of the "Leninist style" of work. V. Grishanov. *Komm. Vooruzh. Sil* 48 no.8-15 Ap '67.

RUSSIA—NAVY—TRANSPORT OF SICK AND WOUNDED

Evacuation of wounded and sick from vessels of the navy and merchant marine by means of helicopters. A.A. Gurianov. *Voen.-med. zhur.* no.4 17-19 Ap '67.

RUSSIA—NAVY—WATCH DUTY

It is time for you to take over watch duty, combat training is being carried out. V. Fimin. *Sov. voim* 49 no 7-5 Ap '67.

RUSSIA—POLITICS AND GOVERNMENT

Brezhnev, L.I. [The 47th anniversary of the Great October Socialist Revolution, an address held at the ceremonial meeting of November 6, 1964, in the Kremlin Palace of Congresses]. *47-ia godovshchina Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii; doklad na s'tennom zasedanii v Kremlevskom Dvortse s'ezd 6 noiabria 1964 goda*. Moskva, Politizdat, 1964 (MI)

Early history of the Soviet state of all people. A.P. Kositsyn. *Sov. gos. i pravo* no.5 65-75 My '67.

[Gazette of the Supreme Soviet of the R.S.F.S.R.] *V. Verkh. Sov. RSFSR* 11 nos. 22-23 Je '67.

[Gazette of the Supreme Soviet of the U.S.S.R.] *Ved. Verkh. Sov. SSSR* 30 nos. 22-25 My-Je '67.

How V.I. Lenin developed the idea of a "republic of the soviets" in his "April theses." S.A. Artem'ev. *Vop. Ist. KPSS* 11 no.4 13-14 Ap '67.

A right government. M. Strepukhov. *Agitator* 34 no. 22-25 Ap '67.

Studies on the political organization of socialist society. V.V. Varshuk, V.I. Razin. *Vop. filoz.* 21 no.4 134-113 '67.

V.I. Lenin and the establishment of the principle of democratic centralism in the development of the Soviet state. V.M. Shapko. *Vop. Ist. KPSS* 11 no.4 15-30 Ap '67.

RUSSIA—REBELLION OF STENKA RAZIN, 1667-1671

The 300th anniversary of the rebellion led by Stepan Razin. L.V. Orlinov, K.I. Stetsluk. *Ukr. ist. zhur.* 11 no.4 122-125 Ap '67.

RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

The third anniversary of radio journalism. G. Sagal. *Sov. radio i tel.* 9 no.4 22-23 '60

RUSSIA—RELATIONS (GENERAL) WITH EAST GERMANY

[Friendship in action]. *Druzba na dole. Dresden, Zeit. Bild* [1965] 83 p. illus. (CST-II)

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

How the building of communism in the U.S.S.R. has influenced the social progress of recently liberated countries. B.I. Rasputin. *Vsnyk L'viv. un. Ser. susp. nauk* no.2 164-173 '60.

In the Association of the Soviet Societies of Friendship and Cultural Contacts with Foreign Countries. *Sots. zakon.* no.4 78 Ap '67.

RUSSIA—RELATIONS (GENERAL) WITH FRANCE

Cities which are sworn brothers. V. Zaitsev. *Moi komn.* no.2 94-99 '67.

Hello, Paris!—Moscow speaking! V. Sedukh, I.S. Bina. *Sov. radio i tel.* 9 no.1 19-20 '60

RUSSIA—RELATIONS (GENERAL) WITH GERMANY

Historians of the German Democratic Republic discuss the problem of Soviet-German relations and international contacts. N.I. Kopychev. *Ist. SSSR* no.2 160-156 Mr-Apr '67.

RUSSIA—RELATIONS (GENERAL) WITH GREAT BRITAIN

Tenth International Congress of Botany and Soviet botanists' visits to scientific institutions of Great Britain. P.L. Gorchakovskii. *Zap. Sverd. otd. VBO* no.4 191-200 '66.

RUSSIA—RELATIONS (GENERAL) WITH INDIA

Russo-Indian political contacts in the early 20th century. G.L. Dmitriev. *Trudy TashGU* no.287 126-131 '65.

RUSSIA—RELATIONS (GENERAL) WITH JAPAN

Television in Japan. N. Sakontikov. *Sov. radio i tel.* 9 no.4 37-38 '60

RUSSIA—RELATIONS (GENERAL) WITH NORTH VIETNAM

The question and answer program "Our friendship." V. Shlenov. *Sov. radio i tel.* 9 no.6 44-45 '60.

RUSSIA—RELATIONS (GENERAL) WITH RUSSIA

Cities which are sworn brothers. V. Zaitsev. *Moi komn.* no.2 94-99 '67.

RUSSIA—RELATIONS (GENERAL) WITH UNITED STATES

Exhibition "Children's creative work in the U.S.S.R." P.N. Andrianov. *Shkola i prosv.* 11 no.1 69-64 Ja '67.

RUSSIA—RELATIONS (GENERAL) WITH WEST GERMANY

Visitors from the Rhine. V. Berezhkov. *Nov. vrem.* 25 no.19 16-17 My '67.

RUSSIA—REVOLUTION, 1917-1921

[About the October Revolution; reminiscences of foreign participants and eyewitnesses]. *Ob Oktjabr'skoi revoliutsii, vospominaniia zarubezhnykh uchastnikov lochevidtsev*. [Moskva, Politizdat, 1967] 318 p.

RUSSIA—REVOLUTION, 1917-1921 (Continued)

- Bolshakir Smolitski's description of Soviet Russia in 1920. Ist. SSSR no. 2 184-189 Mr-Apr '67.
- The blood of the workers. A. Shamiro. Mol. komm. no. 338-44 '67.
- Description of Soviet Russia by K. Fuse, a Japanese journalist, 1920. Ist. SSSR no. 2, 189-191 Mr-Apr '67.
- Description of the armed uprising in October 1917 in the literature on the history of the party published in the first ten years of Soviet rule. V. M. Vodolagin. Vop. ist. KPSS 11 no. 4 31-36 Ap '67.
- During the battle year of 1917 Part. zhizn' no. 7, 26-35 Ap '67.
- Efforts of the Bolsheviks to ensure the support of the peasantry during the elections to volost' zemstvos, August-October 1917. V. V. Grishacv. Vop. ist. KPSS 11 no. 5 30-40 My '67.
- The first Soviet Cheka. D. Golinkov. Sots. zakon. no. 1 18-20 Ap '67.
- The first steps of proletarian democracy. E. Berzin. Vech. sred. shkola 10 no. 2:80-83 Mr-Apr '67.
- The first tribunal in Petrograd (to be concluded). F. Kamenskii. Sots. zakon. no. 4, 20-23 Ap '67.
- The first years. K. Abramov. Bibliotekar' 44 no. 1: 30-33 Ap '67.
- [From the October Revolution to the building of communism] Ot Oktabria k stroitel'stvo kommunizma, sbornik statei. Moskva, Nauka, 1967. 398 p.
- History of the preparation of a decree. N. Rakhunov. Sov. iust. 31 no. 8, 17-18 Ap '67.
- Istov, Iu. M. [A trip through Lenin's address book] Putechestvie po leninskoi adresein knizhke. [Moskva, Politizdat, 1967] 269 p.
- They gave their lives for our happiness. Sem'ia i shkola 22 no. 3:2-3 Mi '67.
- Milestones of the Revolution. N. Limonov. Mol. komm. no. 4 12-22 '67.
- The party was the organizer of the victorious uprising. V. I. Lenin's plan of the armed uprising Vop. ist. KPSS 11 no. 5:3-17 My '67.
- Periodical publications of the Communist Youth League in 1918-1920 as a source of history. A. N. Romanov. Vop. ist. KPSS 11 no. 5, 105-110 My '67.
- Podlinskii, P. I. [A tale about the "red doctor"] Povest' o "krasnom doktore." [Moskva] Mosk. rabochii, 1967. 166 p.
- Reminiscences. M. Kozlovskii. Sots. zakon. no. 4:17-18 Ap '67.
- Reminiscences of the Revolution in Russia. Josip Broz Tito. Nov. vrem. 25 no. 22 10-13 My '67.
- Sobolev, P. N. [Alliance between the laboring class and the peasantry during the October Revolution] Soluz' i nabocheho klassa i trudiashelegosia krest'ianstva v Oktabri-skoj revoliutsii. Moskva, Znanie, 1967. 31 p. (Novoe v zhizni, nauka, tekhnika. I Seriya Istoriia, 5)
- The socialist revolution and education. I. F. Kozlov. Sov. pedagog. 31 no. 4:26-37 Ap '67.
- Struggle of the Soviet state against counter-revolutionary uprisings, late 1920 and 1921. Iu. P. Titov. Sov. gos. i pravo no. 5 95-99 My '67.
- Summoned by the revolution. M. Svolchakov. Agitator 35 no. 9 18-19 My '67.
- Their names shouldn't be forgotten. L. Stasova. Ist. SSSR no. 2:42 Mr-Apr '67.
- V. I. Lenin and problems of public education. N. K. Krup-schina. Nach. shkola 35 no. 4 2-6 Ap '67.
- [The voice of the Great October Revolution] Golos Velikoi revoliutsii. Moskva, Politizdat, 1967. 222 p.
- We should correct this error. Z. V. Grebelskii. Vop. ist. KPSS 11 no. 1:119 Ap '67.
- RUSSIA—REVOLUTION, 1917-1921—ADDRESSES, SERMONS, ETC.**
- Stirring meetings. V. Zivorodinskii. Fyl i snab. Sov. Vopr. St. 27 no. 4 14-15 Ap '67.
- RUSSIA—REVOLUTION, 1917-1921—ANNIVERSARIES, ETC.**
- Anniversary contest of students' scientific works. Vest. vys. shkoly 25 no. 3, 78 Mr '67.
- Books are serving peace and progress. P. Barmel'kov. Knizh. toig. 18 no. 4:5-6 Ap '67.
- Books prepared for the 50th anniversary of Soviet rule. Knizh. toig. 18 no. 4:12 Ap '67.
- A conference devoted to the 50th anniversary of the October Revolution. M. N. Simonian. Vop. ist. KPSS 11 no. 1:152-154 Ap '67.
- The 50th Anniversary of the October Revolution and the study of Russian history. Ist. SSSR no. 2:3-10 Mr-Apr '67.
- Fifty great years. Vech. sred. shkola 10 no. 2:3-5 Mr-Apr '67.
- Listen to the revolution! L. Richmedin. Zhurnal'ist no. 2: 46-47 F '67.
- On the anniversary of the Soviet regime. Vech. sred. shkola 10 no. 2:5-6 Mr-Apr '67.
- Preparing for the anniversary of the October Revolution. Zhurnal'ist no. 2:5, 46 F '67.
- The realization of obligations should be controlled by the party. Part. zhizn' no. 7:61 Ap '67.

Schools of higher education prepare for the glorious date. I. L. Rozenbom, M. I. Ovshinnikova, N. P. Spasibenko. Vest. vys. shkoly 25 no. 3, 78-79 Mi '67.

A true guard of the fatherland. M. Zakharov. Tekh. i vooruzh. 25 no. 2:1-3 F '67.

Under the banner of Lenin's party. Tekh. i vooruzh. 25 no. 1 1 Ja '67.

RUSSIA—REVOLUTION, 1917-1921—BIBLIOGRAPHY

Sadoffeva, T. L. [How the October Revolution was won; a bibliography for students of the 6th-8th grades] Kak pobedila Oktabri'skaia revoliutsia, ukazatel' literaturnykh uchashchikhkha 6-8-kh klassov. Moskva, Kniga, 1967. 52 p.

RUSSIA—REVOLUTION, 1917-1921—CHINESE PARTICIPATION

Voices of witnesses of the heroic past. A. Dunaevskii. Sov. radio i tel. 9 no. 1:16-17 '60.

RUSSIA—REVOLUTION, 1917-1921—FOOD QUESTION

Problem of tax in kind and the tax policy of the party. A. I. Fedotov, D. N. Vatulin. Vop. ist. KPSS 11 no. 5 41-50 My '67.

Revolutionary committees in the struggle against the economic counterrevolution, August-September 1917. A. F. Rastigin. Vop. ist. KPSS 11 no. 5:18-20 My '67.

Some remarks relating to the discussion of the problems of the New Economic Policy. E. I. Bellantsev. Vop. ist. KPSS 11 no. 5 51-52 My '67.

RUSSIA—REVOLUTION, 1917-1921—INFLUENCE

Anniversary publications of the G. D. H. Knizh. toig. 18 no. 4 37 Ap '67.

A conference on the international significance of the Great October Socialist Revolution. M. A. Mulin. Vop. ist. KPSS 11 no. 5:142-145 My '67.

Influence of the October Revolution upon the development of Marxist philosophical ideas in the U.S.S.R. L. I. Cher-lasov. Vop. filos. 21 no. 4:32-13 '67.

Leninism, the October Revolution, and our time. Vop. filos. 21 no. 4:3-8 '67.

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Soldiers of the October Revolution tell us their stories. Ist. SSSR no. 2:58-62 Mr-Apr '67.

Spatarel', I. K. [Against the "Black baron"] Protiv chernogo barona. Moskva, Voenizdat, 1967. 253 p. (Voennye memuary)

RUSSIA—REVOLUTION, 1917-1921—PICTORIAL WORKS

Important quests. N. Chesnokov. Iskustvo 30 no. 3: 22-26 '67.

RUSSIA—REVOLUTION, 1917-1921—SONGS AND MUSIC

"Toward the dawn (the year 1917)." From the cycle "Living pages of history." I. A. Gikholskii. Vech. sred. shkola 10 no. 2:14-18 Mr-Apr '67.

RUSSIA—REVOLUTION, 1917-1921—SOURCES

By word, deed, and personal example. Voen. zhurn. 43 no. 3:4 Mr '67.

RUSSIA—ROCKETS (AERONAUTICS)

Our country's rockets. M. Sokolov. Tekh. i vooruzh. 25 no. 12-9 Ja '67.

RUSSIA—SOCIAL CONDITIONS

Overcoming the essential differences between city and village during the period of the transition to communism. S. Soskin. Nar. khoz. razvich. 18 no. 12:78-87 D '60.

RUSSIA—SPACE FLIGHT

An important stage in the study of space. Kryn. rod. 18 no. 4:3 Ap '67.

RUSSIA—STATISTICS

The fourth year of the seven-year plan, facts and figures. Agitator no. 1:14-17 Ja '67.

RUSSIA—SUBMARINE BOATS

Watch on distant meridians. K. Kazenov. Voen. zhurn. 43 no. 2 12-13 F '67.

RUSSIA—WORLD WAR, 1939-1945

"Directed toward a breakthrough" (to be concluded). V. Goland, V. Zhetov. Mol. komm. no. 4:22-29 '67.

RUSSIA, ASIATIC—METEOROLOGY IN AERONAUTICS

Aerodynamic conditions governing bumpiness of airplanes in upper troposphere and lower stratosphere over Asiatic part of U.S.S.R. V. N. Barakhin. Trudy TSIP no. 157:116-137 '66.

RUSSIA, NORTHERN—DEITCH MARKS

Marking points using steam thawing unit. V. V. Kol'men-ski. Geod. i knit. no. 3 13-11 Mi '67.

RUSSIA, NORTHERN—WAGES

On the system of benefits for those who work in the north. P. Dubovyi. Plan. khoz. 44 no. 5:86-89 My '67.

Problems in the interregional regulation of workers' and employees' real wages in the new five-year plan. N. P. Kalinovskii. Izv. SO AN SSSR no. 1 10-15 Ja '67.

RUSSIA, NORTHWESTERN—PAPER INDUSTRY—MANAGEMENT

Transfer of the enterprises of "Sovzaphumprom" to a new planning and economic incentive system. P. S. Shatlov. Bun. prom. no. 1 24 Ap '67.

RUSSIAN DRAMA—HISTORY AND CRITICISM

Dramaturgy and the present-day theater. A. Solodnikov. Kommunist 14 no. 8 51-63 Mi '67.

First productions of the Russian plays on Tatar stages. R. F. Usmanova. Kaz. v ist. ius. lit. no. 1, 59-78 '65.

RUSSIAN DRAMA—STORIES, PLOTS, ETC.

"A man with a gun." E. Khelodov. Featr 28 no. 3:3-8 Mr '67.

"The diplomat." I. M. Malskii. Nov. vrem. 25 no. 22: 31-32 M7 '67.

"A screwdriver." P. Markov. Teatr 28 no. 4:4-7 Ap '67.

"Spring love." Featr 28 no. 3 9 Mr '67.

"The storm." Teatr 28 no. 4:3-4 Ap '67.

RUSSIAN LANGUAGE—ADVERB

Lavrov, N. A. [The subject "Adverb" in eight-year schools; a textbook for teachers] Tema "Narochie" v vos'mitletnei shkol'e, uchebnoe posobie dlia prepodava-tel'ia. Moskva, Izd-vo Akad. podngog. nauk RSFSR, 1963. 88 p. (TxU)

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Shcherbinina, O. N. [A collection of articles for written reproduction in the Russian language classes of non-Russian schools; a textbook for teachers] Sbornik statei dlia izlozhenii v klassakh natsional'nykh shkol, posobie dlia uchitel'ei. Moskva, Prosveshchenie, 1965. 202 p. (NIC)

RUSSIAN LANGUAGE—CONSONANTS

Doubtful consonants; 1st grade. G. T. Shushpanov. Nach. shkola 35 no. 4:1-11 Ap '67.

RUSSIAN LANGUAGE—DICTIONARIES

Chokhov, N. V., M. F. Robinson, and Kh. G. Khakimov. [A pictorial dictionary of Russian; a textbook for students of non-Russian elementary schools] Kartlinnyi slovar' russkogo iazyka; uchebnoe posobie dlia uchashchikhkha nerusskikh natsional'nykh shkol. Izd. 10. Moskva, Gos. uchebno-pedagog. izd-vo, 1961. 2 v. (ICarbs)

RUSSIAN LANGUAGE—DICTIONARIES—UKRAINIAN

[Russian-Ukrainian veterinary dictionary] Russko-ukrain-skil veterinarnyi slovar'. Sostavil A. A. Iarenka, L. P. Pogrebnik. Kiev, Naukova dumka, 1964. 380 p. (IEN)

RUSSIAN LANGUAGE—GRAMMAR

Gvozdev, A. N. [Modern Russian literary language] Sovremennyi russkii literaturnyi iazyk. Izd. 3. Moskva, Prosveshchenie.

Pl. I. [Phonetics and morphology] Fonetika i morfolo-gia, 1967. 431 p.

Kruchkov, S. E., L. P. Fedorenko, and L. A. Chesko.

[Grammar and spelling; a textbook for grades 5-8 of the evening (shift) secondary schools of general education] Grammatika i pravopisnie, posobie dlia V-VIII klassov vechernei (smennoi) srednei obshcheobrazovatel'noi shkoly. Izd. 3. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 335 p. (NIC)

Korchits, M. A. [Grammatical games] Grammaticheskie igry. Minsk, Narodnaia osveta, 1964. 78 p. illus. (NED)

Rozental', D. E. [The Russian language; a manual for those entering institutions of higher learning] Russkii iazyk, posobie dlia postupaushchikh v vuzy. [Moskva] Izd-vo Mosku univ., 1967. 302 p.

RUSSIAN LANGUAGE—MATHEMATICAL MODELS

Fapp, F. [Making a structural model of the system of word combination in modern Russian] K postroeniu od-noi strukturalnoi modeli sistemy slovosochetaniit sovremennogo russkogo iazyka. Dobroecan, 1963. 11 p. (Publications Institutii Philologiae Slavicae Universitat'is Dobroecanensis, 41) (MII)

RUSSIAN LANGUAGE—ORTHOGRAPHY

Kruchkov, S. E., L. P. Fedorenko, and L. A. Chesko. [Grammar and spelling; a textbook for grades 5-8 of the evening (shift) secondary schools of general education] Grammatika i pravopisnie, posobie dlia V-VIII klassov vechernei (smennoi) srednei obshcheobrazovatel'noi shkoly. Izd. 3. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 335 p. (NIC)

RUSSIAN LANGUAGE—PHONETICS

Gvozdev, A. N. [Modern Russian literary language] Sovremennyi russkii literaturnyi iazyk. Izd. 3. Moskva, Prosveshchenie.

Pl. I. [Phonetics and morphology] Fonetika i morfolo-gia, 1967. 431 p.

- RUSSIAN LANGUAGE—SPOKEN RUSSIAN**
The language of television broadcasting. A. Anikin. Sov. radio i tel. 9 no 5-12-13 '60.
- RUSSIAN LANGUAGE—STUDY AND TEACHING**
Combined exercises. T. G. Teichkova, T. V. Todorova. Nach. shkola 35 no. 1 32-35 Ap '67.
- LAVROV, N. A.** [The subject "Adverb" in eight-year schools, a textbook for teachers] Toma "Narechie" v vos'miletnei shkol'e, uchebnoe posobie dlia prepodavatelei. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 86 p. (TVU)
- Let the word be accompanied by thought, the thought by feelings. A. Kizilova. Sov. obshch. no. 4-37-39 Ap '67.
- Reviewing the material covered in preceding Russian language lessons, the 3d grade. V. A. Kustarova. Nach. shkola 35 no. 4 35-40 Ap '67.
- Teaching and checking through dictation. N. I. Doroshenko. Nach. shkola 35 no. 4 45-46 Ap '67.
- Test papers the Russian language. T. G. Teichkova, E. G. Shashkova, N. K. Nikitina. Nach. shkola 35 no. 4, 51-63 Ap '67.
- RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS**
Anpilogova, E. G., I. A. Ptolopova, and Z. Yu. Sosenko. [Manual on the development of speech, supplement to "Textbook of Russian Language" for preparatory faculties] Posobie po razvitiu rechi, k "Uchebniku russkogoazyka" dlia podgotovitel'nykh fakul'tetov [Moskva] Izd-vo Mosk. univ. Pl. 1. 1967. 105 p.
- RUSSIAN LANGUAGE—VOWELS**
Unstressed vowels, 2d grade. V. P. Kozlova, A. G. Orlova. Nach. shkola 35 no. 1 41-44 Ap '67.
- RUSSIAN LANGUAGE—WORD FORMATION**
Kovalova, T. D. [A collection of exercises in word formation for foreign students] Sbornik uprazhnenii po slovoobrazovaniiu dlia studentov-instrantsev. Khar'kov, Izd-vo Khar'kovskogo univ., 1966. 128 p. (EN)
- RUSSIAN LITERATURE—HISTORY AND CRITICISM**
Babushkin, N. F. [The work of the people and the work of the writer] Tvorchestvo naroda i tvorchestvo pisatel'a. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 172 p.
- Images and themes from ancient Russian literature in the works of M. Iu. Lermontov. N. V. Vodovozov. Uch. zap. MGPI 248 3-20 '66.
- Kazan in the life and work of 19th century Russian writers. E. G. Bushkova. Kaz. v. ist. rus. lit. no. 1 3-15 '65.
- Mashlinski, S. I. [The heritage and the heirs; articles] Nasledie i nasledniki, etal'i. Moskva, Sov. pisatel', 1967. 426 p.
- The problem of the hero in Decembrist literature. I. I. Ermolaeva. Uch. zap. MGPI 248 72-83 '66.
- Russian writers in Kazan during the years of the civil war. A. L. Litvin. Kaz. v. ist. rus. lit. no. 1 52-61 '65.
- Soviet writers in Kazan in 1911-1916. R. N. Porman. Kaz. v. ist. rus. lit. no. 1 62-67 '65.
- Symbolic and allegoric images in literature at the beginning of the 17th century. N. I. Prokof'ev. Uch. zap. MGPI 248 29-44 '66.
- RUSSIAN LITERATURE—STUDY AND TEACHING**
Man and his wings. I. Rostkovskii. Sem'la 1 shkola 21 no. 10-29-30 O '66.
- Zyeva, T. V. [Moral and aesthetic education of students during the study of the literary landscape in the 5th and 6th grades; a methods handbook] Nравственно i estestvennoe vospitanie uchashchikhsia pri izuchenii literaturnogo poiznaniia v 5-6-kh klassakh; metodicheskoe posobie. Leningrad, 1967. 91 p.
- RUSSIAN NEWSPAPERS**
(see also subdivision under Odessa)
Inextinguishable flame. Iurii Tkachenko. Sov. prafotuzuy 23 no. 7:14 Ap '67.
- Listen to the revolution! L. Richmedin. Zhurnal'ist no. 2 46-47 F '67.
- The newspaper "Izvestia" is 50 years old. Sots. zakon. no. 3:00 Mr '67.
- Our "Pravda," the newspaper of workers. V. V. Trzhashkovskii. Vop. ist. KPSS 11 no. 5:91-93 My '67.
- The newspaper "Izvestia" is 50 years old. Zhurnal'ist no. 3 13-17 Mr '67.
- ["Pravda" on the Don] Pravda na Donu. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 261 p. (CS:11)
- Traditions of the Soviet press. Nov. vrem. 25 no. 10: 8-10 My '67.
- What is the secretarial need for? S. Tsukakov. Zhurnal'ist no. 2:32-35 F '67.
- RUSSIAN NEWSPAPERS—INDEXES**
[Chronicle of newspaper articles] Let. gazet. st. no. 4 '67.
- RUSSIAN PERIODICALS**
"Russian speech." Agitator 35 no. 9 60 Mr '67.
- RUSSIAN PERIODICALS—INDEXES**
[Chronicle of periodical articles] Let. zhur. st. no. 22 '67.
- RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHIC**
Correlation of cross sections of Upper Cambrian sediments of Russian Platform and Urals. I. I. Klevtsova. Dokl. AN SSSR 165 no. 6 1371-1374 D '65.
- RUSSIAN PLATFORM—GOLD ORES**
New data on gold potential of sedimentary formations in central part of Russian Platform. I. S. Rozhkov, N. M. Nivtina, A. P. Ilayev. Dokl. AN SSSR 173 no. 5 1156-1159 Ap '67.
- RUSSIAN PLATFORM—MINERAL WATERS**
Conditions of the formation of hydrogen-sulfide waters on the boundary of the southwestern margin of the Russian Platform and Caspian piedmont fault. A. II. Babynets, L. L. Tsapenko. Geol. zhur. no. 6:33-40 '60.
- RUSSIAN POETRY—HISTORY AND CRITICISM**
Light over night case and a heavy treasure (to be continued). Boris Solov'ev. Oktabr' 38 no. 6 179-193 Je '61.
- A thousand-page book of poetry. A. I. Milhaiov. Kommunist 14 no. 7:35-45 My '67.
- RUSSIAN SOCIAL DEMOCRATIC PARTY**
(see also subdivision under Azerbaijan, Ukraine)
The first volume of the "History of the CPSS" on trial before bourgeois critics. A. F. Kustin. Vop. ist. KPSS 11 no. 4 70-76 Ap '67.
- RUSSIAN STUDIES**
(see also subdivision under Great Britain)
The first volume of the "History of the CPSS" on trial before bourgeois critics. A. F. Kustin. Vop. ist. KPSS 11 no. 4 70-76 Ap '67.
- Socialist law and order and their ill-starred "critics." O. Ivanenko. Sov. iust. 31 no. 8:2-1 Ap '67.
- RUSTAVELI, SHOTA, fl. 1180—BIBLIOGRAPHY**
see Bibliography—Rustaveli, Shota, fl. 1180
- RUSTAVI REGION (GEORGIA)—COKE INDUSTRY—QUALITY CONTROL**
Quality of coke of the Rustavi Metallurgical Plant. V. D. Parashin. Koks i khim. no. 3:25-27 '67.
- RUSTS (FUNGI)**
Testing new fungicides for controlling rust on grain crops. I. M. Polakov. Trudy VIZR no. 13 212-215 '68.
- RUTENKOV (UKRAINE)—COKE INDUSTRY—BY-PRODUCTS**
At the Rutchenkovo By-Product Coke Plant. A. T. Ivashchenko. Koks i khim. no. 3:63 '67.
- RUTHENIA** see Transcarpathia
- RUTHENIUM ELECTRODES** see Electrodes, Ruthenium
- RUTHERFORD, ERNEST, 1871-1937**
Danin, D. S. [Rutherford] Rutherford. [Moskva] Molodala gvardiia, 1966. 619 p. (Zhizn' zamchatel'nykh liudel. Seriya biografi, no. 12(431))
- RYAZAN—GRAIN ELEVATORS**
Efficiency promoters of the Ryazan Elevator are honoring the 50th anniversary of the October Revolution. N. Stepanov. Muk-elev. prom 33 no. 3 4 Mr '67.
- RYAZAN—TEXTILE INDUSTRY—SAFETY MEASURES**
First steps under the new system of work. P. N. Vorob'ev. Bezop. truda v prom 10 no. 10 36-38 O '66.
- RYAZAN PROVINCE—ANTIQUITIES**
Mongait, A. L. Khudozhestvennye sokrovishcha Staroi Riazani. The art treasures of Old Ryazan. Moscow, Nauka, 1967. 24 p. illus. [In Russian and English]
- RYAZAN PROVINCE—ART OBJECTS**
Mongait, A. L. Khudozhestvennye sokrovishcha Staroi Riazani. The art treasures of Old Ryazan. Moscow, Nauka, 1967. 24 p. illus. [In Russian and English]
- RYAZAN PROVINCE—RAILROADS**
Three times faster... P. Cherniaev. Agitator 35 no. 9: 33 My '67.
- RYAZAN PROVINCE—SQUIRRELS**
Squirrel population in Ryazan Province. F. V. Ivanov. Mat. k pozn. fauny i flory SSSR. Otd. zool. no. 4:144-62 '67.
- RYBINSK RESERVOIR—BENTHOS**
Benthos distribution in the Volga reaches of Rybinsk Reservoir. V. I. Mitropol'skii, V. P. Luferov. Trudy Inst. biol. vnutr. vod. no. 12 10-15 '66.
- RYBINSK RESERVOIR—WATER**
Seasonal changes in water characteristics and distribution in Rybinsk Reservoir. N. V. Butorin. Trudy Inst. biol. vnutr. vod. no. 12 312-319 '68.
- Vertical heterogeneity of water in Rybinsk Reservoir. N. V. Butorin. Trudy Inst. biol. vnutr. vod. no. 12 120 331 '66.
- RYBINSK RESERVOIR—ZOOPLANKTON**
Horizontal distribution of zooplankton in Rybinsk Reservoir based on synchronous surveys. A. V. Monakov, L. M. Sumnova. Trudy Inst. biol. vnutr. vod. no. 12 76-87 '66.
- Zooplankton of Rybinsk Reservoir in 1956-1963. I. I. Luferova, A. V. Monakov. Trudy Inst. biol. vnutr. vod. no. 12 40-55 '66.
- RYE—GENETIC RESEARCH**
Effect of gamma rays and ethylenimine on diploid and tetraploid rye. M. K. Safin, V. II. Domchenko, B. O. Livenko. Dop. AN URSSR no. 10 1380-1385 '65.
- Genetics of rye (Secale cereale L.). Report No. 5. Inheritance of self-fertility character in diploid rye. V. S. Fedorov, V. G. Smirnov, S. P. Sosnikhina. Genetika no. 3 23-28 Mr '67.
- RYLEEV, KONDRATH FEDOROVICH, 1795-1826**
"Ballads" of K. F. Ryleev. S. M. Klinev. Uch. zap. MGPI 248 61-71 '66.
- SABLES**
Morphological indicators of strength of skeleton in sables. V. A. Politskii. Trudy Mosk. vet. akad. 16 61-69 '57.
- SABLES—ANATOMY**
Change in some internal organs of sables in captivity. V. A. Politskii. Trudy Mosk. vet. akad. 16 70-73 '57.
- SAFETY ENGINEERS**
The safety engineer. Okh. truda i sots. strakh. 10 no. 5 39-10 My '67.
- SAFETY LAMP—DESIGN AND CONSTRUCTION**
"Luch" lamps. V. I. Podpruzhnikov, A. I. Saifutdinov. Mash. i obr. dlia mekh. i avtomatiz. tsvet. i opt. v ugc" prom. no. 3:142-144 '66.
- SAGE**
Germinative and yielding capacity of clark sage seeds with central and lateral inflorescences. S. E. Bor'ovskala, Sbor. rab. po masl. i efirnomas. kult. no. 1:42-45 '66.
- SAHAIDACHNYI, PETRO, d. 1622**
Petro Konashevych-Sahaidachnyi, Hetman of the Ukraine. M. M. Kriavtsov. Ukr. ist. zhur. 11 no. 4:126-128 Ap '67.
- SAIGON—FOREIGN CORRESPONDENTS**
100 days in Saigon. Passent. Zhurnal'ist no. 3:34-36 Mr '67.
- SAINFOIN**
Effect of cover crops on the yield of sainfoin hay. P. K. Vellohko. Vest. sel'khoz. nauki [Kazakh.] 10 no. 3 37 Mr '67.
- SAKHALIN—BATHS, MOOR AND MUD**
Komissarenko, B. T. [Mineral springs and medicinal muds of Sakhalin and the Kuriles] Mineral'nye istochniki i lechebnye griazi Sakhalina i Kuril. Uzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1964. 114 p. (DNLM)
- SAKHALIN—COAL MINES AND MINING—MECHANIZATION**
Representative of Sakhalin. A. Ivanova. Sov. shakht. 16 no. 3:14 Mr '67.
- SAKHALIN—MINERAL WATERS**
Komissarenko, B. T. [Mineral springs and medicinal muds of Sakhalin and the Kuriles] Mineral'nye istochniki i lechebnye griazi Sakhalina i Kuril. Uzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1964. 114 p. (DNLM)
- SAKHALIN—PETROLEUM GEOLOGY**
Inclined water-oil contacts in Sakhalin fields. B. K. Ostil'skii, E. G. Koblov, R. L. Butsenko. Geol. nef't i gaz 11 no. 3:16-20 Mr '67.
- SAKHALIN—PETROLEUM PRODUCTION—MANAGEMENT**
Introducing scientific labor organization into enterprises of "Sakhalinmef't" Combine. S. N. Zhukov. Organ. i upr. nefteob. prom. no. 8 31-33 '66.
- SALAVAT (BASHKIRIA)—PETROCHEMICAL PLANTS—DESIGN AND CONSTRUCTION**
Objectives of the large-scale chemical industry have been well carried out. G. Rastorguev. Na stroi. Ros. 5 no. 1:10-10 Ja '64.
- With high rating. I. Orlov. Na stroi. Ros. 5 no. 1:10-11 Ja '64.
- SALAVAT (BASHKIRIA)—PETROCHEMICALS**
A road bestows books. Anver Blkheniaev. Oktabr' 38 no. 6:10-12 Je '61.
- SALICYLIC ACID**
Bromodecarboxylation of 3, 5-dibromosalicylic acid. I. P. Beletskala, Kh. VIII', O. A. Reutov. Zhur. org. khim. 3 no. 4:815-821 Ap '67.

- SALINE AND ALKALI SOILS**
Effect of gypsum-type salinity and fertilizers on the growth, yield, and the accumulation of phosphorus in cotton leaves, I. M. Dzhumacva, *Agrokhimia* no. 5 90-95 May '67.
- SALINE WATERS—DEMINERALIZATION**
Dyes threaten us? G. Maksimovich, *Sov. voen.* 49 no. 5 34-36 May '67.
- SALINITY** see subdivision under Black Sea
- SALINOMETER**
Inductive laboratory salinometer, V. I. Zahurdaev, I. V. Pavlenko, A. N. Paramonov, *Eksp., inform., Miroglidrofiz.* Inst. AN SSSR no. 3 129-133 '66.
- SALIVARY GLANDS—TUMORS**
Role of myoepithelial cells in histogenesis of so-called mixed salivary gland tumors, V. O. Iosava, *Sob. AN Gruz. SSR* 15 no. 2 519-524 Feb '67.
Some observations on the nature of the development of mixed tumors of the salivary glands, T. A. Rabinovich, *Khirurgiya* 13 no. 4 121-125 Apr '67.
- SALMON**
(see also subdivision under Baltic Sea, Pacific ocean)
Chemosome complexes in Salmo letchan Kessler as related to taxonomic status of salmon, E. A. Dorofeeva, *Zool. zhur.* 46 no. 2 218-231 Feb '67.
Taxonomic position of genera Hucho Gunther and Brachymystax Gunther, G. Kh. Shaposhnikova, *Zool. zhur.* 46 no. 2 251-257 Feb '67.
- SALMONELLA**
Analysis of antibody formation on the example of antibody production in rabbits immunized with Vi-antigen of *Salmonella typhi*, V. I. Levenson, *Biol. eksp. biol. i med.* 63 no. 4 70-74 Apr '67.
- SALMONELLA—CULTURES AND CULTURE MEDIA**
Effect of pH medium and thermal treatment of *Salmonella pullorum* culture filtrates on their toxicity, I. V. Prytula, *Mikrobiol. zhur.* 29 no. 2 133-139 Mar-Apr '67.
- SALSOLINE**
Combined action of salsoline and hexonium on water diuresis, L. G. Poplavskaya, *Trudy Oren. otd. Vses. fiziol. ob-va* no. 3 266-268 '64.
- SALT**
Dissolution of sodium chloride crystals fluidized in a turbulent stream, I. V. Lantochkin and others, *Zhur. prikl. khim.* 40 no. 4 849-852 Apr '67.
Investigating effect of magnetic field on salt deposition in tubing in exploiting oil wells, D. M. Agalarov, *Neft. khoz.* 43 no. 10 54-57 Oct '65.
Sequence of formation of chemical compounds in the system $V_2O_5 - NaVO_3$ in the reaction of vanadium pentoxide with sodium chloride, B. V. Slobodin, A. A. Potelov, *Izv. AN SSSR, Neorg. mat.* 3 no. 1 146-151 Jan '67.
Solubility of the binary compound of glucose and sodium chloride in water, N. V. Lebedev, A. A. Danatko, *Sbor. trud. NIIS* 15:221-237 '66.
- SALT—PHYSIOLOGICAL EFFECT**
Morphological analysis of the state of the hypothalamo-hypophyseal neurosecretory system and thyroid gland under conditions of chronic salt load, I. V. Iakovleva, I. A. Okhonskaya (Krasnovskaya), A. L. Polenov, *Biol. eksp. biol. i med.* 63 no. 4 91-95 Apr '67.
- SALT—SOLUBILITY**
Intensifying solution processes by vibration created by electric discharge in water, N. K. Sidorova, *Neft i gaz prom.* no. 2 50-52 Mar-Apr '67.
- SALT—STORAGE**
Prevention of the clogging of the drainage system of salt cells, M. T. Molchadskii, *Energetik* 15 no. 3 20 Jan '67.
- SALT DEPOSITS**
(see also subdivision under Caspian Lowland; Transcarpathia; Turkmenistan)
Confinement of boron to stages of salt deposits, M. Dlarov, *Geokhimiya* no. 2 233-238 Feb '67.
Water and salt balances of Lake Balkhash in periods of lowering and rising levels, M. N. Tarasov, *Gidroklim. mat.* 42:224-230 '66.
- SALT DOMES** see subdivision under Saratov Province
- SALTS**
Application of salt-antagonist principles to the laying out of diagrams of composition of culinary reciprocal systems, V. A. Ocheistnyi, A. G. Bergman, *Ukr. khim. zhur.* 33 no. 3 279-284 Feb '67.
Rudenko, E. I. [Salt and salts; popular science stories] "SOI" I SOI; nauchno-populyarnye rasskazy, Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1966, 109 p.
Salt composition of water-alcohol mixtures in the technological processing, G. I. Fertman, *Izv. vus. ucheb. zav. i pishch. tekhn.* no. 2 79-83 '67.
- SALTS—EFFECT ON PLANTS** see Plants, Effect of salts on
- SALTS—PHYSIOLOGICAL EFFECT**
Effect of salts on serum cholinesterase activity, T. A. Prudentova, *Biokhimiya* 32 no. 2 341-346 Mar-Apr '67.
- SALTS, DOUBLE**
Double salt formed on heating calcium carbonate with sodium fluoride, I. G. Lugina, *Zhur. V KHO* 12 no. 2 239-240 '67.
Double sulfates of cesium and lithium, I. S. Rasonskan, N. K. Semendiarva, *Zhur. neorg. khim.* 12 no. 4 900-905 Apr '67.
Physicochemical properties of double sodium sulfates of europium and terbium, L. L. Zaitseva and others, *Zhur. neorg. khim.* 12 no. 4 906-914 Apr '67.
- SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1889**
Problems of classification of the cycles of M. E. Saltykov-Shchedin, V. F. Koz'min, *Uch. zap. MGPI* 248:231-255 '66.
- SAMARIUM**
Effect of Sm^{2+} multiplet structure on the heat capacity of samarium monochalcogenides, A. V. Golubov, V. V. Tikhonov, *Fiz. tverd. tela* 9 no. 3 954-956 Mar '67.
- SAMARIUM COMPOUNDS**
Preparation and properties of samarium acetate, I. L. Parburina, I. E. Sosnina, T. N. Ivanova, *Zhur. neorg. khim.* 12 no. 4 1099-1100 Apr '67.
- SAMARKAND PROVINCE—COTTON WILT**
Study of nematode fauna of cotton shoots and rhizosphere soil infected with wilt, G. R. Poladov, *Nauch. trudy TashGU* no. 291 97-98 '66.
- SAMGORA REGION (GEORGIA)—PETROLEUM PRODUCTS**
Aromatization of petroleum products of the Samgori region, M. Khundadze, Sh. Sharashentze, *Trudy Tbil. GU* 74:345-350 '69.
- SAMPLING (STATISTICS)**
Use of momentary sampling for obtaining data on the idle time structure of the rolling stock, I. F. Fedotov, *Trudy MFT* no. 235 34-36 '66.
- SAN JOSE SCALE**
Popova, A. I. [San José scale] Kaliforniiskaya shchitovka, Leningrad, Izd-vo s.-kh. iil-ry, zhurnalov i plakatov, 1962, 75 p., illus. (Vreditel i bolezni sel'skokhozh. i silennykh rasenii) (CU)
- SANATORIUMS—DESIGN AND CONSTRUCTION**
Differentiated requirements of architectural planning for sanatoriums satisfying various medical needs, T. Sh. Kandelaki, *Trudy GPI (Gruz.)* no. 2 131-139 '64.
- SAND—WASHING** see subdivision under Magadan Province
- SAND, FOUNDRY—ADDITIVES**
Effect of certain technological factors on gas emission from molding and core mixtures, I. B. Kumant and others, *Izv. vus. ucheb. zav. i chern. met.* 10 no. 3 144-146 '67.
- SANDOMERSKAYA, BEATRISA IUR'EVNA**
A buoyant talent, L. Bolognova, *Iskusstvo* 30 no. 3: 27-31 '67.
- SANDSTONE—ANALYSIS** see subdivision under Caucasus
- SANITATION WORKERS**
On the agenda is a problem of dismissal, A. Vladimirov, *Sov. profsoyuz* 23 no. 7:24-25 Apr '67.
- SAPROPELITES**
(see also subdivision under Ukraine)
Anticorrosive coatings based on benzene extracts from the products of thermal destruction of sapropelites, V. V. Tufurina, V. P. Kalanava, *Lakokras. mat. i lkh. prom.* no. 2 30-33 '67.
- SARANSK—PARKS**
Avdoshkin, I. A. I. [Our park] Nash park, Saransk, Mordovskoe knizhnoe izd-vo, 1965, 58 p., illus.
- SARATOV—PETROLEUM REFINERIES—MANAGEMENT**
Generalizing the work experience of the committees, Part, *zhizn'* no. 7:83-84 Apr '67.
- SARATOV PROVINCE—GAS, NATURAL—GEOLOGY**
Prospects for oil and gas in Lower Carboniferous sediments in the Volga Valley portion of Saratov Province, A. N. Kolesnikova, *Neftgaz, geol. i geofiz.* no. 3 21-25 '67.
- SARATOV PROVINCE—GEOLOGY, STRATIGRAPHIC**
Some problems of geologic development of complex overlying salt deposits in Saratov Province portion of trans-Volga region, A. L. Ateev, *Neftgaz, geol. i geofiz.* no. 2 15-18 '67.
- SARATOV PROVINCE—GEOLOGY, STRUCTURAL**
Paleotectonic analysis of Pichascko-Burgovsk area by method of isopachous triangle, I. I. Kuznetsov, *Uch. zap. kaz. un.* 124 no. 10 98-97 '65.
- SARATOV PROVINCE—GRAIN—DISEASES AND PESTS**
Cultivation practices in controlling the beetle of the genus *Anisoplia*, V. I. Titomolov, *Zashch. rast.* 12 no. 4 32 '67.
- SARATOV PROVINCE—PETROLEUM GEOLOGY**
Prospects for oil and gas in Lower Carboniferous sediments in the Volga Valley portion of Saratov Province, A. N. Kolesnikova, *Neftgaz, geol. i geofiz.* no. 3 21-25 '67.
- SARATOV PROVINCE—PETROLEUM PRODUCTION—MANAGEMENT**
Establishing scientific labor organization in enterprises of "Saratovneftegaz," Combine, V. P. Konushkov, *Organ. i upr. nefteodob. prom.* no. 6 27-30 '66.
- SARATOV PROVINCE—SALT DOMES**
Some problems of geologic development of complex overlying salt deposits in Saratov Province portion of trans-Volga region, A. L. Ateev, *Neftgaz, geol. i geofiz.* no. 2 15-18 '67.
- SARCOLYSINE**
Synthesis of some steroid derivatives of sarcodyline, M. V. Mukhina, A. M. Khmel'skii, *Zhur. ob. khim.* 37 no. 3 587-589 Mar '67.
- SARCOLYSINE—PHYSIOLOGICAL EFFECT**
Combined chemotherapy of testicular tumors resistant to sarcodyline, V. N. Astrakhan, F. M. Momi, *Vopr. onk.* 13 no. 4 87-90 '67.
- SARYDZHAZ VALLEY—PHOSPHORUS**
Distribution of phosphorus in Cambrian-Ordovician sediments in Sary-Dzha basin (central Tien Shan), M. M. Adyshev, K. E. Kalmurzaev, V. V. Shabalin, *Dokl. AN SSSR* 173 no. 3 676-677 Mar '67.
- SATIRE**
Favorita vopros... P. Shul'gin, *Sov. radio i tel.* 8 no. 3 20 '60.
- SATIRE—HISTORY AND CRITICISM**
Makarian, A. M. [Satire. Translated from the Armenian] O satire, Moskva, Sov. pisatel', 1967, 273 p.
- SATELLITES—SATURN**
Discovery of the tenth satellite of Saturn, D. I. Marlynov, *Zem. i vesol.* no. 2 32 Mar-Apr '67.
- SATURN (PLANET)—SATELLITES** see Satellites—Saturn
- SAUREL** see subdivision under Black Sea
- SA USAGES**
Modernizing the type 157 continuous-action vacuum bluffer, N. Gerasimov, L. Kolobukhin, O. Bol'shakov, *Mas. ind. SSSR* 38 no. 4 5-7 Apr '67.
Units for heat treatment of sausages; survey, A. Pelenov, V. Gavrilova, *Mas. ind. SSSR* 38 no. 4 9-9 Apr '67.
- SAVING AND THRIFT**
For economy and thrift; review of articles and correspondence received by the editor, *Fin. SSSR* 41 no. 4 76-78 Apr '67.
Sedlovskii, G. P. [Monetary savings of the population; textbook for lecturers and discussion leaders] Denezhnye sborezhentia naseleniia; posobie dlia provedeniia dokladov i besed, Moskva, Finansy 1967, 44 p.
- SAVINGS**
Sedlovskii, G. P. [Monetary savings of the population; textbook for lecturers and discussion leaders] Denezhnye sborezhentia naseleniia; posobie dlia provedeniia dokladov i besed, Moskva, Finansy 1967, 44 p.
- SA**
R

2086

- SCREW THREAD ROLLING—EQUIPMENT AND SUPPLIES**
Wear and strength of tools for rolling internal threads. S. I. Zlatitskiy, O. S. Andrichikov, Stan. i instr., 38 no. 3 32-39 Mr '67.
- SCRUBBER (CHEMICAL TECHNOLOGY)**
Calculating the absorption of carbon dioxide by water in packed scrubbers. I. V. Akseilov, V. V. Dil'man, M. V. Orlov. Khim. prom., 13 no. 4 51-54 Ap '67.
Determining optimum operating conditions of a turbulent scrubber during the cleaning of smelting furnace gas. R. S. Suprunenko, D. P. Pilyukin, B. Z. Tevelevskiy. Izv. vuz. khim. zav., Chern. mel., 10 no. 4 35-37 '67.
- SCULPTURE**
A buccant talent. L. Belogolova. Iskustvo 30 no. 3 27-31 '67.
- SCULPTURE, EGYPTIAN**
Pavlov, V. V. [Egyptian portraits of the 1st-4th centuries] Egipt'skii portret I-IV vekov. Moskva, Iskustvo, 1967. 80 p. 82 plates. (Iz istorii mirovogo iskustva)
- SCYTHIAN ANTIQUITIES** see subdivision under Borspol' (Kiev Province), Donets Valley
- SCYTHIAN ARMS AND ARMOR** see Arms and armor, Scythian
- SEA BASS**
Study of structural and mechanical properties of fish muscle tissue. V. G. Proselkov, A. I. Peleev. Ryb. khoz., 43 no. 3 65-66 '67.
- SEA ICE**
(see also subdivision 'Ice' under Arctic Ocean, Azov, Sea of; Laptev Sea)
Absorption of solar radiation by sea ice. N. P. Shestakov. Trudy ANII 257-78-83 '67.
- SEA ICE—MAPS** see subdivision under Arctic regions
- SEA ICE DRIFT**
(see also subdivision under Arctic Ocean)
Dynamics of ice cover and changes in its density. L. A. Timokhov. Trudy ANII 257:125-131 '67.
- SEA LEVEL** see subdivision under Kerch Strait
- SEALING (TECHNOLOGY)**
Ceramic-metal sealing materials for gas turbines. M. K. Belitskiy. Tekhn. org. proizv., no. 2 91-95 Mr-Apr '67.
Redesigning of a servomotor seal. S. S. Gorbunov. Energetik 15 no. 4 10 Ap '67.
Stalling annular space of wells when using hydraulic blow-out preventer. N. M. Sychev, E. I. Stinkina. Izv. vuz. ucheb. zav., nef't' i gaz 10 no. 2:85-89 '67.
Sealing devices for superhigh hydraulic pressures. V. A. Mikheev. Vest. mashinost., 17 no. 4 29-31 Ap '67.
Sealing threaded joints of tubing with viscoplastic fluids. B. B. Kraman, A. M. Khaseev, N. V. Smolnikov, N. G. Khoz., 43 no. 10:73-75 O '65.
- SEALING (TECHNOLOGY)—TESTING**
Device for testing hermetic sealing of a pneumatic system. A. M. Mikheev. Blat. tekhn.-inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., 20 no. 4:27 Ap '67.
- SEASIDE RESORTS** see subdivision under Crimea
- SEAWATER—MICROBIOLOGY**
Device for collecting microbiological samples in surface microhermion of the sea. A. V. Tsyban'. Gidrobiol. zhur., 3 no. 3 81-86 '67.
- SEAWATER—OPTICAL PROPERTIES**
Some results of measuring fluctuation of transparency of waters in the ocean. A. N. Paramonov, G. G. Neudmin, V. V. Efimov. Eksp.-inform. Mor. gidrofiz. inst. AN URSR no. 3 88-98 '66.
- SEAWATER, DISTILLATION OF**
More economic operation of distillation units on ships of "Tropic" type. G. I. A. Lukin. Ryb. khoz., 43 no. 3:21-23 '67.
- SEBACEOUS GLANDS**
Types of the structure of sweat and sebaceous glands in Bushuevskiy and Black and White cows. T. I. Kramov, A. A. Aibash'yan. Trudy Uznizh no. 4: 89-99 '59.
- SECOND BAKU—OIL WELL CEMENTING**
Determining optimum time of WOC in using fast-aglting mixtures with addition of calcium chloride. I. A. Sidorenko and others. Burenie no. 3:27-29 '67.
- SECONDARY EDUCATION** see Education, Secondary
- SECONDARY ELECTRON EMISSION**
Inelastic scattering of electrons of a given energy in thin gold films. N. G. Nekhodkin, P. V. Mol'nik. Fiz. tsvet. tela 9 no. 3:723-727 Mr '67.
Secondary electron emission of aluminum and nickel in the case of oblique incidence of primary electrons. I. M. Bronshteyn, S. S. Denisov. Fiz. tsvet. tela 9 no. 3: 939-939 Mr '67.
- SECONDARY RECOVERY OF OIL**
(see also subdivision under Bikhov Oil Field)
Methodology for calculating optimum volume of solvent fringe in bedded nonuniform layers. L. M. Seidmatskiy. Nauch. i tekhn. zhur. po dob. nef'ti no. 30:57-62 '66.
- SECRET POLICE**
The first Soviet Cheka. D. Golinkov. Sots. zakon., no. 4: 18-20 Ap '67.
- SECRETARIES**
The technical secretary. A. Irin. Sots. trud 12 no. 5: 109-119 My '67.
- SECRETION**
Manifestation of pathological explosiveness caused by excitation of hypothalamic structures. N. A. Kostenko. Zhen. zh. vuz. nauch. delat., 17 no. 2 249-255 Mr-Apr '67.
- SECTS** see subdivision under Lvov Province
- SEDIMENTARY ROCKS** see Rocks, Sedimentary
- SEDIMENTS (GEOLOGY)**
(see also subdivision under Lena Delta)
Adsorption properties of natural bottom sediments in relation to synthetic anion surface active agents. V. T. Kaplan and others. Gid. okhlim. mat. 12 296-301 '66.
- SEED PRODUCTION**
Effect of fertilizers on the seed qualities of potatoes in main potato growing regions of Daghestan. D. A. Ramanov. Khim. i sel. khoz., 5 no. 4 11-13 Ap '67.
Increasing the quality of seed. I. Plisarenko. Zerk. i masl. kul't., 2 no. 5:15 '67.
Pay more attention to the seed production of millet. A. Susichovich, I. Shestova. Zerk. i masl. kul't., 2 no. 5:15-16 '67.
Significance of female forms of castor bean for breeding and seed production. L. K. Voskoboinik, Shor. rab. po masl. i efir. masl. kul't., no. 1:26-30 '66.
- SEEDS**
Germinative and yielding capacity of clary sage seeds with central and lateral inflorescences. S. E. Boikovskaya, Shor. rab. po masl. i efir. masl. kul't., no. 1 12-15 '66.
Present and future studies of seed physiology. K. E. Ovchinnikov. Izv. AN SSSR Ser. biol., no. 3:422-425 Mj-Je '67.
- SEEDS—DISINFECTION**
Disinfecting peanuts seeds. K. I. A. Kalashnikov. Zashch. rast., 12 no. 4:50 '67.
Disinfection with sticking additions. N. K. Nikulina. Zashch. rast., 12 no. 4:41-42 '67.
Improving the germination capacity of seeds by disinfection. K. I. A. Kalashnikov. Khim. i sel. khoz., 5 no. 4 22-25 Ap '67.
Studying the processes of the sorption of chlorophyllin by pea seeds and corn grains. M. Sosedov, E. Ilyukh. Muk. i elev. prom., 33 no. 1:24-25 M '67.
- SEEDS—GRADING**
Electromagnetic classifier of seeds. I. D. A. Akhramov, I. M. Gruchuk, G. S. Nikolaev. Tekhn. i sel. khoz. mash. no. 4:23-25 Ap '67.
- SEEDS, EFFECT OF GAMMA RAYS ON**
Effect of the irradiation of seeds with gamma rays (Co^{60}) on the viability of soybean. U. Akilov. Vest. sel. khoz. nauch. i tekhn. inform., 9 no. 12:80-81 D '66.
- SEEDS, EFFECT OF LIGHT ON**
Effect of light on the seed germination of some weed plants. N. M. Kovalev, E. E. Kratina. Izv. TSKHA no. 1 42-50 '66.
- SEEDS, EFFECT OF TRACE ELEMENTS ON**
Effect of trace elements on yield of vegetable crop seeds. A. P. Vaganov. [Trudy KISKH 57:3-8 '60.
- SEIGNETTOELECTRIC SUBSTANCES** see Ferroelectric substances
- SEISMIC PROSPECTING**
(see also subdivision under Belozerska region, Zaporozh'ye Province; Syrdolovsk Province)
Approximate equation of hodograph of reflected waves for circular boundary of division. V. D. Suvorov. Geol. i geofiz., no. 12:101-103 '66.
Efficient distribution of seismic profiles and increasing effectiveness of geologic prospecting work. M. S. Arabadzhi and others. Neftogaz. geol. i geofiz., no. 2: 25-28 '67.
Electronic desk for controlled directional generation of seismic waves. I. A. Tarasov. Izv. vuz. ucheb. zav.; nef't' i gaz 10 no. 2:10-13 '67.
Quantitative study of joining using method of engineering seismic prospecting. O. K. Voinikov. Geol. i geofiz., no. 1:83-91 Ja '67.
- SEISMIC PROSPECTING—CONGRESSES**
Second International Symposium of Geophysicists of Socialist Countries on deep seismic sounding. H. Pashkova. Dop. AN URSR Ser. B 29 no. 4:375-376 Ap '67.
- SEISMIC PROSPECTING—GRAPHIC METHODS**
Determining the thickness of a gradient layer lying on a homogeneous half-space. F. M. Lakhovitskiy. Izv. AN SSSR, Fiz. zem., no. 9:87-88 '65.
- SEISMIC PROSPECTING—LABOR PRODUCTIVITY**
Experience in improving production planning of seismic prospecting operations. N. N. Ivanov. Ogan. i upr. nef't. dob. prom., no. 1:13-16 '66.
- SEISMIC WAVES**
Dependence of the relative amplitude of damped longitudinal elastic waves on the porosity parameter of near-lv stratiform rocks. V. F. Indutnyy, O. G. Plotnikova. N. I. Chirvos'ka. Dop. AN URSR Ser. B 29 no. 1:41-43 Ja '67.
Geological significance of anisotropy of seismic velocities in earth's crust. I. A. Rozanov, N. E. Gaidin. Izv. AN SSSR Ser. geol., no. 1:10-16 Ap '67.
Method of seismic rays in interpreting hodographs of seismic waves. V. M. Gur'yanov. Izv. AN SSSR, Fiz. zem., no. 9 31-43 '65.
- SEISMOLOGY**
Some problems affecting the seismic stability of suspension bridges. A. N. Razmaizze. Trudy GIM [Gruz.] no. 2:231-237 '64.
- SEISMOLOGY—EQUIPMENT AND SUPPLIES**
Construction of seismic instruments for small-depth prospecting. S. A. Nazaryul. Geofiz. app. no. 27:59-68 '66.
- SEISMOLOGY—OBSERVATIONS**
[Observations of the "Apafly" Seismic Station] Mat. nabl. seism. sta. "Apafly" JI-D '65, publ. 1967.
- SEISMOMETERS**
Digital seismorecording apparatus. V. I. Roman. Dop. AN URSR, Ser. B 29 no. 4 334-336 Ap '67.
- SEISMOMETRY—EQUIPMENT AND SUPPLIES**
A machine for processing field seismic recordings. B. L. Leina, I. I. Ankovskiy, P. A. Timov. Geofiz. app. no. 31:110-118 '67.
- SELENGA VALLEY—GEOLOGICAL TIME**
Age of lower Selenga Valley. A. I. Lavrent'ev. Geol. i geofiz., no. 12:109-111 '66.
- SELENIDES**
Heat capacity of gallium selenide and thallium selenide. K. K. Mamedov and others. Fiz. i tekhn. poluprov. 1 no. 3:141-142 Mr '67.
- SELENIUM**
Determining selenium in minerals and rocks containing carbonized organic matters. T. L. Bolopol'skaya. Trudy VSEGEI 125:62-65 '66.
Photoconductivity of amorphous selenium layers at frequency 1010 cps. I. U. A. Cherkasov, L. N. Ionov. Fiz. tsvet. tela 9 no. 3:930-933 M '67.
Preparation of single crystals of tellurium-selenium solid solutions and study of their electric properties. Kh. Davranov and others. Izv. AN SSSR, Neorg. mat., 3 no. 4:613-616 Ap '67.
- SELENIUM—ELECTRIC PROPERTIES**
Origin of the hole conductivity of selenium. G. B. Abdulaev and others. Fiz. i tekhn. poluprov., 1 no. 1:519-521 Ap '67.
- SELENIUM—SPECTRA**
Comparing the spectra of cold neutron scattering on amorphous and crystalline selenium. B. A. Kotov and others. Fiz. tsvet. tela 9 no. 4:1227-1230 Ap '67.
- SELENIUM CRYSTALS**
Local levels in hexagonal selenium single crystals. M. I. A. Bakirov, N. Z. Dzhalilov. Fiz. tsvet. tela 9 no. 4:1214-1245 Ap '67.
- SELENIUM CRYSTALS—GROWTH**
Growth of a hexagonal selenium crystal from a single monoclinic selenium crystals in polymorphic transformation. I. U. A. Asadov. Dokl. AN SSSR 173 no. 3: 570-572 Mr '67.
- SELENIUM PLATING**
Nature of polarization in the electrodeposition of gray selenium from selenic acid electrolytes. Sh. D. Osman-zade, A. T. Vagranian. Elekt. okhlim. 3 no. 2:240-252 '67.
- SELF-DETERMINATION, NATIONAL** see subdivision under Soviet Central Asia
- SELF-EDUCATION**
Guidance of the Pioneers' self-education. A. P. Makarovskaya. Sov. pedagog. 31 no. 4:58-64 Ap '67.
- SELF-INCRIMINATION**
Confession (to be concluded). B. L. Ljubimov. Sov. iust., 31 no. 7:27-29 Ap '67.
Confession (conclusion). B. L. Ljubimov. Sov. iust., 31 no. 8:24-26 Ap '67.
- SELIANKOV, GEORGI TIMOFEEVICH, 1887-1966**
Georgii Timofeevich Seliankov (1887-1966). I. P. Gerashimov and others. Izv. AN SSSR, Ser. geog., no. 2:166-167 Mr-Apr '67.

SEMICONDUCTORS—ELECTRIC PROPERTIES

- Basic rules governing the electric properties of some heterojunctions and their band schemes M. V. Kot, I. M. Parasiuk, Fiz. i tekhn. poluprov. 1 no 2 196-202 F '67.
- Effect of a strong electric field on the electroconductivity of a proper anisotropic semiconductor I. S. Levitas, J. P. Sela, R. F. Fildman, Fiz. i tekhn. poluprov. 1 no 3 410-414 Mr '67.
- Excitation states and band-to-band optical transitions in strong electric fields in semiconductors I. A. Kuznetsov, V. P. Shupchinskii, Fiz. i tekhn. poluprov. 1 no 1 106-113 Ja '67.
- Significance of properties of a semiconductor with moving charge domains V. L. Bonch-Bruyevich, Fiz. i tekhn. poluprov. 1 no 2 239-248 F '67.
- Theory of electroconductivity of multivalley semiconductor in strong electric fields S. V. Gantsevich, Fiz. i tekhn. poluprov. 1 no 3 909-917 Mr '67.
- Theory of transfer in semiconductors with degenerate valence bands, P. Kh. Musaev, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 11 no 2 50-56 '67.

SEMICONDUCTORS—MAGNETIC PROPERTIES

- Magnetic capacitance effect V. N. Dobrovolskii, G. K. Vir dze, Fiz. i tekhn. poluprov. 1 no 2 201-202 F '67.

SEMICONDUCTORS—OPTICAL PROPERTIES

- Concentration of current carriers in a semiconductor illuminated by a laser, L. M. Blinov, V. S. Vasilov, G. V. Galpin, Fiz. i tekhn. poluprov. 1 no 3 854-858 Mr '67.
- Multiphoton radiation transitions in heavily doped semiconductors V. L. Bonch-Bruyevich, A. V. Drugova, Fiz. i tekhn. poluprov. 1 no 1 43-50 Ja '67.

SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

- Kinetics of the photoconductivity in beryllium-doped germanium Z. T. Izamatov, V. S. Vasilov, N. D. Tiapina, Fiz. i tekhn. poluprov. 1 no 1 102-105 Ja '67.
- Photoelectric properties of ZnSiP₂ single crystals, L. B. Zlatkin, B. V. Novikov, Izv. AN SSSR Neorg. mat. 3 no 1 78-86 Ja '67.

SEMICONDUCTORS—SPECTRA

- Spectral distribution of semiconductor photosensitivity in the case of two photosensitivity mechanisms, R. A. Titov, Fiz. i tekhn. poluprov. 1 no 2 217-220 F '67.

SEMICONDUCTORS—THERMAL PROPERTIES

- Studying the volt-ampere characteristics of diffusion p-n junctions in Ga_{1-x}As_x 35 Zh. I. Alferov and others, Fiz. i tekhn. poluprov. 1 no 2 260-264 F '67.

SENEGAL RIVER

- Senegal is a river of friendship, B. Khufornov, Az. i Afr. seg. 10 no 5 27 Mr '67.

SENILE PSYCHOSIS

- Clinical and electroencephalographic studies in patients with old-age manic-depressive psychoses F. A. Leybovich, M. L. Rokhlina, Zhur. nev. i psikh. 67 no 4 568-571 '67.
- Differential diagnostic significance of clinical characteristics in the initial stage of Pick's disease and Alzheimer's disease A. G. Biednev, Zhur. nev. i psikh. 67 no 4 549-554 '67.
- Spatial synchronization of α -activity in the cerebral cortex in old-age psychoses, T. V. Morozova, Zhur. nev. i psikh. 67 no 4 560-567 '67.

SENSE ORGANS

- Vsesoyuznyi simpozium po pervichnym protsessam v reitseptornykh elementakh organov chuvstv. Ist. Pushchi, no. 1955. [Primary processes in the receptor elements of sense organs] Pervichnye protsessy v reitseptornykh elementakh organov chuvstv. Moskva, Nauka, 1956.

SENTENCES (CRIMINAL PROCEDURE)

- Appellate review of sentences, M. Skoryk, Rad. pravo no. 4 74-77 Ap '67.
- Criteria for possibility to change the bill of indictment in court sentences, M. Bazhanov, Rad. pravo, no. 4 85-89 Ap '67.

SEPARATION (LAW)

- Division of the separated partners' property prior to their divorce, A. Vlasova, Sots. zakon, no. 3 42-45 Mr '67.

SEPARATION (TECHNOLOGY)

- Dielectric separation of solid bodies, Z. V. Volkova, Uch. zap. MGPI no. 2 67 3-20 '66.
- Exponential law of forces in the separation process, G. A. Berger, Izv. vuz. ucheb. zav. i spets. tekhn. no. 2 118-121 '67.
- Motion of solid particles in variable electric fields, R. V. Sagolova, Uch. zap. MGPI no. 2 67 50-52 '66.
- Separability of solid bodies in an electric field of cone electrode, T. S. Raikhenberg, Uch. zap. MGPI no. 2 67 21-28 '66.
- Trajectories of solid particles ejected by an electric field, L. V. Lavrova, Uch. zap. MGPI no. 2 67 40-43 '66.

SEPARATION (TECHNOLOGY)—PATENTS

- Practice of the Export Council, Vop. izobr. no 2 3 F '67.

SEPARATORS (MACHINES)

- Determination of the operational parameters of separators in the purification of meat in oil, V. Sokolov, D. T. Sten, Muz. iuz. SSSR 38 no. 4 128-121 Ap '67.
- Output of dielectric separator, Z. V. Volkova, Uch. zap. MGPI no. 2 67 3-20 '66.

- Processes taking place in cyclone separator during production of carbon black, H. P. Buzov and others, Fiz. i tekhn. poluprov. 1 no 2 12-15 Ap '67.

- Use of laminated electrodes in dielectric separator, L. A. Degtiareva, Uch. zap. MGPI no. 2 67 3-20 '66.

SEPARATORS (MACHINES)—DESIGN AND CONSTRUCTION

- Pneumatic separation of milled peat by gas flow, V. L. Likhodievskii, Trif. prom. 44 no. 2 20-21 Mr '67.

SEPIADEX

- Separation of pyrimidine deoxyribonucleosides by DEAE-Sephadex chromatography, A. L. Mazin, B. F. Vantushin, Biokhimiia 32 no. 3 377-381 Mr-Apr '67.

SEQUENCES (MATHEMATICS)

- Generalization of the Moore theorem of Knepp - Belinfante, N. A. Davydov, Teori. funk. i funk. anal. 11 no 1 10-11 Mr '67.
- Limit theorem on the uniform distribution of some sequences, L. P. Ushakov, Izv. vuz. ucheb. zav. i spets. tekhn. no. 4 112-121 Ap '67.
- Linear transformations of unbounded canonical systems, L. I. Volkov, Dokl. AN SSSR 171 no. 1 195 Mr '67.
- Some observations on the convergence of the method of successive approximations, I. A. Pichukhin, Izv. Mold. SSR no. 1 10-16 '66.
- Unitary extensions of isometric operators in Pontryagin's spaces and continuations in the class of finite sequences of the chain, I. A. Pichukhin, Dokl. AN SSSR 171 no. 1 168-161 Ap '67.

SEREDROVSKII, ALEKSANDR PAVLOVICH, 1885-

- Member of underground, engineer, scientist, 60th birthday of A. P. Seredrovskii, Nauchnik 16 no. 2 12-15 F '65.

SERININ

- Free amino acids of the fibroin and sericin part of the silk gland in a silkworm, H. B. Filippovich, M. S. Blinov, Biokhimiia 32 no. 3 248-252 Mr-Apr '67.

SERIES

- Nonabsolute convergence of some types of double series, V. P. Buzov, Dop. AN URSR, Ser. A 20 no. 4 200-201 Ap '67.
- Relation between the summability of double series, the [L, 1, 1] and [H, 1, 1] methods, M. I. Chudakov, Uch. zap. MGPI no. 2 67 3-20 '66.
- Solution of integral equation by expansion in series over the parameter, H. A. Belitskii, Uch. zap. MGPI no. 2 67 3-20 '66.
- Some properties of general functional series, P. M. Nikolskii, Usp. mat. nauk 22 no. 7 21-12 Mr-Apr '67.

SERIES, DIRICHLET'S

- Series of Dirichlet's polynomials of several complex variables, V. P. Gromov, Dokl. AN SSSR 171 no. 4 990-1001 Ap '67.

SERIES, ORTHOGONAL

- Summing of orthogonal series by linear methods, A. V. Efimov, Usp. mat. nauk 22 no. 2 110-121 Mr-Apr '67.

SERINE

- Enzymatic hydrolysis of pyrophosphate bonds in serine phosphates, S. M. Avdeeva and others, Dokl. AN SSSR 172 no. 6 1430-1433 F '67.

SEROLOGY

- Detection of pathogenic Escherichia coli serotypes in tissues by means of fluorescence microscopy, A. I. Tsvetkov, G. V. Shantua, Arch. pat. 21 no. 3 18-20 '67.
- Formability of normal and virus infected cells to proteins of γ -globulin fractions of normal and immune sera, O. K. Kuznetsov and others, Biokhimiia 32 no. 3 383-386 My '67.
- Reaction of anti-epitopes in various tissues of the guinea pig as revealed by the immunofluorescence method, T. A. Danilova, Biokhimiia 32 no. 3 387-390 My '67.
- Use of serological reactions in studying immunity in homotransplants of the skin in rabbits, L. I. Gol'dner and others, Biokhimiia 32 no. 3 391-395 My '67.

SEROTONIN

- Changes in the content of blood serotonin in rabbits during prolonged stimulation of the anterior portions of the hypothalamus with electric current, N. I. Vekshina, Biokhimiia 32 no. 3 396-399 My '67.
- Serotonin structures of the hypothalamus, L. A. Gromova, N. I. Vekshina, Izv. AN SSSR, Ser. biol. no. 3 453-455 My-Je '67.

SERRADELLA—DISEASES AND PESTS

Anthrax of serradella and its control. V. K. Nozlova, T. G. Vorob'eva. Vestn AN BSSR. Ser. sel'nosp. nav. no. 169-74 '67

SERUM

Age-related characteristics of the effect of adrenalectomy on albumin-globulin coefficient of blood serum and the body weight of white rats. V. N. Nikitin, E. A. Bul'ko. Uch. zap. KHGU 131 105-109 '62

Electrophoretic study of blood sera in passive immunity against gas gangrene. O. I. Zimina, S. I. Isacova, I. O. Mikhina. Mikhobiol zhur. 20 no. 2:167-168 Mr-Apr '67

SERUM PROTEIN

Immunochemical analysis of interspecific differentiation of serum proteins as exemplified by Acipenseridae. V. I. Luk'ianenko, S. I. Sedov. Dokl. AN SSSR 173 no. 3:696-698 Mr '67

SERUM PROTEIN—SPECTRA

Age-related characteristics of the effect of cortisone on protein spectrum of blood serum and on weight of some organs in white rats. V. N. Nikitin, R. I. Golubitskaya. Uch. zap. KHGU 131 85-89 '62

SERVICE INDUSTRIES see subdivision under Nikolayev Province, Ukraine

SERVICE INDUSTRIES—AUDITING AND INSPECTION see subdivision under Yaroslavl

SERVICE INDUSTRIES—COSTS see subdivision under Kishinev

SERVICE INDUSTRIES—MANAGEMENT see subdivision under Moscow Province, White Russia

SERVO MECHANISMS

Improving the quality of a power-type servo system with error signal generated by a special compensating unit. B. V. Novosilov, I. V. Vys. ucheb. zav., elektromekh. no. 3 327-330 Mr '67

Redesigning of a servomotor seal. S. S. Gorbunov, Energetik 15 no. 119 Ap '67

Synchronous A.C. servo system. A. S. Sandler, B. G. Bogachikov. Trudy MEI no. 6:313-325 '66

SESQUITERPENES

New works in the field of sesquiterpene chemistry. G. V. Pigulevskiy, A. T. Ryskal'tsuk. Trudy Bot. inst. Ser. 5 no. 12 125-197 '65

SET THEORY

(see also subdivision under Armenia)

Chebyshev sets. L. P. Vlasov. Dokl. AN SSSR 173 no. 4:491-494 Mr '67

The principle of the maximum. A. D. Aleksandrov. Dokl. AN SSSR 173 no. 2 247-250 Mr '67

A problem arising in the theory of optimal planning of regression experiments. B. L. G. Anovskii, Izv. vys. ucheb. zav.; mat. no. 4:17-53 Ap '67

Problems of best approximation by elements of convex sets, and some properties of supporting functionals. E. G. Gol'shtein. Dokl. AN SSSR 173 no. 5:995-998 Ap '67

Structure of a set of points in a one-to-one arrangement in continuous mappings of manifolds. A. P. Savin. Dokl. AN SSSR 173 no. 2:267-269 Mr '67

Theory of regular binary relations between elements of partial lattices. V. V. Vagner. Izv. vys. ucheb. zav.; mat. no. 4:26-39 Ap '67

SEVAN LAKE REGION—CADDIS FLIES

Behavior of mass species of caddis flies (Trichoptera) of Sevan Lake tributaries area in adult age. A. M. Neshkova. Ent. obozr. 46 no. 1:105-108 '67

SEVASTOPOL—DESCRIPTION

Chebanuk, Z. F. [Sevastopol; historical places, monuments] Sevastopol'; istoricheskie mesta, pamiatniki. Izd. 4., 1. izpr. i dop. Simferopol', "Krym," 1966, 174 p. illus. (CSU-II)

SEVASTOPOL—MILITARY MUSEUMS

Person from a diorama. Alekseyandr Kulakov. Voenn. zhurn. 43 no. 2 46-47 F '67

SEVASTOPOL—PACKINGHOUSES—MANAGEMENT

First results of scientific organization of labor. I. Gaduchenko. Mias. ind. SSSR 38 no. 4:16-17 Ap '67

SEWAGE

Availability of the products of sugar decomposition contained in sewage waters for biological oxidation. N. I. Tkachenko, N. A. S. adukova. Sbor. tr. ud. NIIGS 15:238-240 '66

SEWAGE—PURIFICATION

Application of electrolysis in coagulation and flotation. B. M. Matov. Izv. vys. ucheb. zav.; fizich. tekhn. no. 2 84-86 '67

Decontamination of waste waters. N. M. Prokhorov, Blul. tekhn. enko. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 4:38 Ap '67

SEWAGE LAGOONS

Vinberg, G. G., and others. [Biological ponds used in sewage purification] Biologicheskie prudy v praktiko uchislki slozhnykh vod. Pod red. P. V. Ostapenka Minsk, "Belarus", 1966, 230 p.

SEWAGE SLUDGE

Study of the amino acid composition of activated sludge at the purification stations of hydrolysis plants. V. N. Sekunova, A. S. Perovskaya. Sbor. tr. ud. NIIGS 15 251-255 '66

SEWING MACHINES see subdivision under Czechoslovakia

SEWING MACHINES—TRANSMISSION DEVICES

Use of plastic gear wheels in sewing machines. A. E. Plotnikov and others. Shveln. prom. no. 2:20-23 Mr-Apr '67

SEWING SCHOOLS

(see also subdivision under Ivanovo)

Classes in sewing. L. K. Bolikova. Shkola i prosv. II no. 116-119 Ja '67

SEX CHROMOSOMES

Control of sex relationships by feedback mechanism. V. A. Godelakian, V. I. Kosobutskii. Dokl. AN SSSR 173 no. 1:938-941 Ap '67

SEX HORMONES see Hormones, Sex

SHAFT SINKING—EQUIPMENT AND SUPPLIES

Selecting efficient methods of hanging mine scaffolds in sinking deep shafts. K. I. Smirnov. Ugol' Ukr. II no. 2:53 F '67

SHAFT SINKING—SAFETY MEASURES

(see also subdivision under Donetsk Basin)

Opening of coal seams susceptible to sudden outbursts of coal and gas with the aid of vertical shafts. E. S. Rozantsev, A. N. Umshkin, G. S. Vasin. Vop. bezop. v ugol' shakht. 7:177-184 '66

SHAFING

Taking readings of pickups on fast-rotating shafts. M. D. Bogoroditskii, E. A. Uudin. Stroi. i dor. mash. 12 no. 4 18-20 Ap '67

SHAKHRISABZ DISTRICT—COLLECTIVE FARMS—MANAGEMENT

On the two collective farms of Shakhrisabz. V. Kudriavtsev. Ekon. i zhizn' 9 no. 3:82-87 Mr '67

SHARPENING OF TOOLS

A device for the sharpening of planing blades. Stanislav Lada. Shkola i prosv. II no. 1 47-18 Ja '67

SICHERBINA, NIKOLAI FEDOROVICH, 1821-1860

N. I. Shcherbina's "Songs of Nature" (N. G. Magina. Uch. zap. MGPI 248 101-117 '66

SHEAR (MECHANICS)

Influence of the pressure on the value of specific shear stresses in plastic polycrystals. A. A. Simonian. Trudy Kul. trof. inst. no. 10:157-163 '66

Temperature dependence of critical shearing stresses in copper-nickel-cobalt alloy. G. N. Nosova, N. T. Travinina. Dokl. AN SSSR 173 no. 1 580-583 Mr '67

SHEARS (MACHINE TOOLS)

Disc shears. N. M. Mitrofanov. Shkola i prosv. II no. 3:61-63 Mr '67

SHEARS (MACHINE TOOLS)—DESIGN AND CONSTRUCTION

Analyzing the design of two-drum-type flying shears. V. M. Loboda. Nauch. i inzh. Dnepr. inst. chet. met. 21 373-386 '65

SHEBELINKA GAS FIELD—GAS, NATURAL—SEPARATION

Improving process and lengthening duration of effective exploitation of low-temperature separator units in Shebelinka field. A. P. Agishov and others. Neft i gaz prom. no. 2:34-36 Mr-Apr '67

SHEEP

(see also subdivision under Kazakhstan; Moldavia; Uzbekistan)

Effect of chloral hydrate, caffeine, carbocholins, and spherophysine on uterine motility in sheep. N. M. Bulgakov. Trudy Oren.-otd. Vses. fiziol. ob.-va no. 3:39-43 '64

Follicular changes in sheep ovaries in the course of maturation. N. I. Bezrukov. Dokl. AN SSSR 173 no. 3:602-603 Mr '67

Milk productivity of sheep; from practices in foreign countries. F. V. Il'ev. Trudy Kish. sel'khoz. inst. 17 83-88 '66

Uterus motility in sheep during sex cycle and its changes as affected by some factors. N. M. Bulgakov. Trudy Oren.-otd. Vses. fiziol. ob.-va no. 3:28-38 '64

SHEEP—DISEASES AND PESTS

(see also subdivision under Mongolia)

Use of bitiquinol in experimental sheep endometritis. N. M. Bulgakov. Trudy Oren.-otd. Vses. fiziol. ob.-va no. 3:14-19 '64

SHEEP—FEEDING AND FEEDS

Effect of trace elements (copper, cobalt, iron, manganese, zinc) on the productivity of sheep and poultry. P. Sh. Uzilevskaya. Trudy UZNIIZH no. 4 63-72 '69

SHEEP—PARASITES see Parasites—Sheep

SHEEP—PHYSIOLOGY

Some physiological indices of hybrid lambs as related to the lambing time. M. R. Kurbanov. Trudy UzNIIZH no. 4 39-41 '64

SHEEP BREEDING see subdivision under Altai Territory, Moldavia

SHEEP BREEDS see subdivision under Moldavia

SHEET METAL WORK

Blanking hard alloy blanking dies. S. M. Khmara and others. Kuz.-sitam. prosv. 9 no. 3:22-26 Mr '67

Experimental investigation of stress distribution during the shaping of a strip on a roll-bending machine. M. N. Chelovani, A. S. Khmizgal. Izv. vys. ucheb. zav.; chem. met. 10 no. 4:61-69 '67

Present status and future development of sheet-metal stamping. I. A. Noritsyn. Vost. mashinost. 17 no. 1 6-10 Ap '67

SHEET STEEL—DEFECTS

Nature of the evolution of killed steel sheets. E. A. Iodko and others. Metallurg 12 no. 3 47 Mr '67

SHEET STEEL—HEAT TREATMENT

Efficiency of heat treatment of sheet steel. T. G. Don't, A. P. Chernovolova. Izv. vys. ucheb. zav.; chem. met. 10 no. 4:161-167 '67

Intensifying the conditions of heat treatment of low-alloy low-carbon sheet steel. D. S. Kazimovskii and others. Stal' 27 no. 3:265-267 Mr '67

SHEET STEEL—WELDING

Dynamics of control of "suspended" argon-arc welding of sheet steel. M. A. Denko. Svar. prosv. no. 1:13-14 Ap '67

Spot welding of hot-rolled sheet steel without scale removal. V. S. Pavlichenko. Svar. prosv. no. 4:20-22 Ap '67

SHEET STEEL, EFFECT OF TEMPERATURE ON

Studying high-temperature oxidation of hot-rolled sheet steel. Part I: Sheet El. I. U. D. Kozmanov, M. S. Kostlov. Fiz. met. i metalloved. 23 no. 4 655-662 Ap '67

SHEFFIELD, JOHN

Debatable, but it is nice. V. Chernykh. Sov. radio i tel. 9 no. 3:33 '60

SHELLS (ENGINEERING)

Applying V. Z. Vlasov's variational method to the calculation of a circular cylindrical shell for local loading. B. V. Nersisyan. Izv. vys. ucheb. zav.; av. tekhn. 10 no. 1 45-50 '67

Design of a shallow shell of double curvature using the potential energy method. P. I. Kokhanchikov. Trudy GPI [Gruz.] no. 2:149-157 '61

Intensity of external critical pressure of a spherical shell. A. A. Gubonina. Izv. vys. ucheb. zav.; mashinost. no. 1 52-54 '67

Inverse asymmetric boundary effect in a circular cylindrical shell. V. N. Stavitskiy, Kh. S. Khazanova. Izv. vys. ucheb. zav.; av. tekhn. 10 no. 1 51-56 '67

Stability of a cylindrical shell under stressed state caused by asymmetric boundary effect. I. M. Aslan. Izv. vys. ucheb. zav.; av. tekhn. 10 no. 1 57-60 '67

Stability of a longitudinally compressed circular shell made of a nonlinearly elastic material. Khueva. Fiz. tekhn. 3 no. 4:53-57 Ap '67

Stability of an anisotropic circular cylindrical shell subjected to compression and internal pressure. K. A. Khueva. Izv. vys. ucheb. zav.; av. tekhn. 10 no. 1 57-60 '67

St

2070

SIBERIA—SOCIAL CONFLICT

From the history of the class struggle in the Siberian village, 1928-1929. N. A. Gushchin. Izv. SO AN SSSR no. 180-88 Ja '67.

SIBERIA—SOVIETS

From the history of the building of soviets in Siberia. B. L. Borisov. Izv. SO AN SSSR no. 173-79 Ja '67.

SIBERIA—SUNFLOWERS

Use of herbicides in sunflower fields. N. Bebekh. Zest. i masht. kul't. 2 no. 5, 39-40 '67.

SIBERIA—WATER, UNDERGROUND—COMPOSITION

Formation and geochemistry of underground waters of Siberia and the Far East. Formirovaniye i geokhimiya podzemnykh vod Sibiri i Dal'nego Vostoka. Moskva, Nauka, 1967. 257 p.

SIBERIA, EASTERN—CHEMICAL INDUSTRIES

Role of Eastern Siberia in developing the raw materials base of the chemical industry. L. I. Grammatova, V. N. Komarova. Izv. SO AN SSSR no. 128-33 Ja '67.

SIBERIA, EASTERN—INDUSTRIES

Effect of the labor supply of a region on the structure and distribution of industries. N. S. Kislanova. Izv. AN SSSR, Ser. geog. no. 2, 61-67 Mr.-Ap '67.

SIBERIA, EASTERN—LABOR SUPPLY

Effect of the labor supply of a region on the structure and distribution of industries. N. S. Kislanova. Izv. AN SSSR, Ser. geog. no. 2, 61-67 Mr.-Ap '67.

SIBERIA, EASTERN—LABOR TURNOVER

Building up the labor force in the industry of eastern Siberia. N. Tokaishina. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 4, 45-50 '67.

SIBERIA, EASTERN—RAW MATERIALS

Role of Eastern Siberia in developing the raw materials base of the chemical industry. L. I. Grammatova, V. N. Komarova. Izv. SO AN SSSR no. 128-33 Ja '67.

SIBERIA, EASTERN—ROADS, SOIL-CEMENT

Service of soil-cement pavements under Eastern Siberian conditions. O. A. Slavutskii. Avt. dokl. 30 no. 3, 25-26 Mr '67.

SIBERIA, WESTERN—AGRICULTURE

Vsesoyuznaya akademiya sel'skokhozyaistvennykh nauk imeni V. I. Lenina. [Problems of the agriculture of northern Kazakhstan and steppe regions of Western Siberia, materials of the out-of-town session of the All-Union Academy of Agricultural Sciences, held in Tselinograd, January 31-February 4, 1966] Problemy sel'skogo khozyaistva Severnogo Kazakhstan i stepnykh rayonov Zapadnoi Sibiri, materialy vyezdnogo sessii VASKHNTL, sostoyavshego v g. Tselinograde 31 yanvaria-4 fevralia 1966 g. Moskva, Kolos, 1967. 574 p. (DIAL)

SIBERIA, WESTERN—BUILDING MATERIALS INDUSTRY

Main paths of developing the building materials industry of Western Siberia. V. P. Chepurin. Izv. SO AN SSSR no. 122-27 Ja '67.

SIBERIA, WESTERN—CONSUMPTION (ECONOMICS)

Some problems of developing public consumption funds; as exemplified by Western Siberia. L. A. Litovskov. Izv. SO AN SSSR no. 116-21 Ja '67.

SIBERIA, WESTERN—ENCEPHALITIS, EPIDEMIC

Relief of the terrain and the distribution of tick-borne encephalitis in Western Siberia. S. M. Pavlukhin. Dokl. po med. geog. no. 2, 74-81 '65.

SIBERIA, WESTERN—FLOODS

Fluctuations in the volume of spring floods in the rivers of Western Siberia. G. P. Medvedova. Izv. AN SSSR, Ser. geog. no. 2, 61-66 Mr.-Ap '67.

SIBERIA, WESTERN—GEOGRAPHICAL RESEARCH

Research conducted by the Institute of Geography of the Academy of Sciences of the U.S.S.R. in the Western Siberia. L. F. Kunitsyn. Izv. AN SSSR, Ser. geog. no. 2, 156-157 Mr.-Ap '67.

SIBERIA, WESTERN—INLAND WATER TRANSPORTATION

Increasing the role of West Siberian waterways in providing national economy with transportation services. V. D. Kachemnik, V. A. Gorbunov. Izv. SO AN SSSR no. 134-30 Ja '67.

SIBERIA, WESTERN—MACHINERY INDUSTRY

Present state and principal direction in the expansion of forging in West Siberian Economic Region. A. Kula, M. Rozhn. Trudy MNIPTMASH no. 1, 73-106 '63.

SIBERIA, WESTERN—MEDICAL GEOGRAPHY

Relief of the terrain and the distribution of tick-borne encephalitis in Western Siberia. S. M. Pavlukhin. Dokl. po med. geog. no. 2, 74-84 '65.

SIBERIA, WESTERN—NONWAGE PAYMENTS

Some problems of developing public consumption funds; as exemplified by Western Siberia. L. A. Litovskov. Izv. SO AN SSSR no. 116-21 Ja '67.

SIBERIA, WESTERN—OIL RESERVOIR ENGINEERING

Results of hydrodynamic studies of wells in Ust'-Balyk, Megion, and Valinsky fields in Western Siberia. E. S. Iushkin, G. V. Shcherbakov. Nefteprom, delo no. 4, 5-11 '67.

SIBERIA, WESTERN—PEAT SOILS—COLD WEATHER CONDITIONS

Basic technological indices of winning milled peat in Western Siberia. V. S. Varentsov. Trudy kol. i ost. inst. no. 10, 35-48 '59.

SIBERIA, WESTERN—PETROLEUM PIPELINES—DESIGN AND CONSTRUCTION

Characteristics of building petroleum pipelines in Western Siberia. N. P. Vasiliev, M. A. Eliseev. Transp. i khran. nefti i nefteprod. no. 3, 8-10 '67.

SIBERIA, WESTERN—RAILROADS—ACCOUNTING

Accountants improve their qualifications. I. Korot'kov. Bukh. uch. 26 no. 4, 31 Ap '67.

SIBERIAN PLATFORM—EARTH TEMPERATURE

Temperature of magma of Bor-Uryakh ultrabasic massif. V. V. Reverdatto, A. K. Sal'ko. Geol. i geofiz. no. 12, 119-122 '66.

SIBERIAN PLATFORM—LANDFORMS

Relief of the basement of Siberian Platform. L. I. A. Provodnikov. Dokl. AN SSSR 165 no. 6, 1370-1382 D '65.

SIBERIAN PLATFORM—MAGMA

Temperature of magma of Bor-Uryakh ultrabasic massif. V. V. Reverdatto, A. K. Sal'ko. Geol. i geofiz. no. 12, 119-122 '66.

SIEROZEM

(see also subdivisions under Soviet Central Asia; Syr Darya Province)
Dynamics of boron in light-colored Sierozems in the Golodnaya Steppe. G. P. Zadozhnii. Agroklimatika no. 5, 99-104 My '67.

SIERRA LEONE—POLITICS AND GOVERNMENT

A political confusion. B. Gavriluk. Mezhdunar. zhizn' 14 no. 5, 128-129 '67.

SIERRA LEONEAN DIPLOMATS see Diplomats, Sierra Leonean

SIGNAL THEORY (TELECOMMUNICATION)

Average number of module combined zeroes and the phase argument of a partially polarized wave. G. F. Babushkin, A. P. Rodimov. Radiotekh. i elektron. 12 no. 4, 580-597 Ap '67.

Calculation of correlation function and spectral density of power in random selection. V. I. Krutkov. Radiotekh. i elektron. 12 no. 2, 184-192 F '67.

Comparative evaluation of communication systems with different forms of modulation. I. I. Petrov. Radiotekhnika 22 no. 4, 7-15 Ap '67.

Comparative evaluation of the interference rejection of some methods for reception of FM signals under fluctuation conditions. A. F. Fomin. Avtom. i telem. no. 4, 123-140 Ap '67.

Directional characteristics of optimal systems for spatial time element of signals. A. N. Ruk'ov. Radiotekh. i elektron. 12 no. 4, 700-712 Ap '67.

Distribution of probabilities of intervals between impulses of atmospheric teleferences. L. T. Bernalov, A. V. Potapov, V. R. Yul'kov. Radiotekh. i elektron. 12 no. 4, 706-708 Ap '67.

Distribution of the probability of impulse noise at the output of a band filter. B. I. Kavashinov. Radiotekhnika 22 no. 4, 105 Ap '67.

Effect of noise on a filter-discriminator-integrator system. V. A. Melchik. Radiotekhnika 22 no. 4, 97-103 Ap '67.

Effect of random nonhomogeneities of a media on the radiation pattern of an antenna aperture synthesized by video pulses. P. V. Blokh, V. D. Freidlikher. Radiotekh. i elektron. 12 no. 4, 598-605 Ap '67.

Form of square-wave oscillations used as weight function of an optimal receiver. I. B. Oskunov, I. M. Rakhovich. Radiotekhnika 22 no. 4, 16-20 Ap '67.

Interference rejection of diversity reception of binary channels of binary relative phase telemetry systems. I. S. Andronov. Elektrosv'az' 21 no. 3, 10-17 Mr '67. Invariant measuring system. V. H. Vasylev. Avtomatyka 12 no. 2, 3-14 Mr.-Ap '67.

Kantor, L. I. A. [Methods for increasing interference rejection in FM signal reception] Metody povysheniya pomokhozhazhishchennosti priema ChM signalov. Moskva, Sv'az', 1967. 255 p.

Methods for improving the principal characteristics of the phase-rotating device of a coding converter of electrical signals with small intensity. S. D. Khachaturov. Avtomatyka 12 no. 2, 67-74 Mr.-Ap '67.

Optimal detection of signals in nonsynchronous noise. Detection of a fully known signal. O. E. Antonov. Radiotekh. i elektron. 12 no. 4, 570-587 Ap '67.

Power relationships in transmission of signals with frequency division through a nonlinear repeater. A. I. Abolits. Elektrosv'az' 21 no. 3, 4-9 Mr '67.

Reception of FM signals using parametric subharmonic generators. V. P. Komolov, I. T. Trofimenko. Elektrosv'az' 21 no. 3, 74-77 Mr '67.

Selection of the operating point of an expander used in the suppression of weak signals. V. I. Drozdov. Radiotekh. i elektron. 12 no. 2, 356-357 F '67.

Sequential decoding techniques at high transmission rates. N. I. Piliptchuk. Radiotekh. i elektron. 12 no. 4, 712-714 Ap '67.

Single-cycle third-order pulse-width modulation. V. V. Mlinov. Radiotekhnika 22 no. 4, 1-6 Ap '67.

Synthesis of binary contact codes. A. R. Oleinikov, V. M. Ordynsev, V. V. Sinagovskaya. Avtom. i telem. no. 4, 141-142 Ap '67.

Use of the theory of statistical solutions in problems of discrete signal reception using a method involving the comparison of adjacent messages. V. F. Nestoruk, N. N. Pofir'eva. Elektrosv'az' 21 no. 3, 18-22 Mr '67.

SIGNS AND SIGNBOARDS

Industrial safety signs. V. Blokhin, A. Vlasov. Tekhn. est. 1 no. 2, 72-74 F '67.

Road signs made of dense monolithic light reflectors. Sh. L. Faerman, V. R. Alukhanov. Avt. dokl. 10 no. 3, 13-15 Mr '67.

SIGNS AND SYMBOLS

Principles of the construction of a unified symbology for the operation indices of railroad transportation. P. P. Leonova. Trudy MIF no. 235, 17-26 '66.

SILAGE

Dry silage bacterial yeast. P. I. Sokolov and others. Vest. sel'khoz. nauki [Kazakh] 10 no. 3, 93-98 Mr '67.

Effect of feeding ammoniated silage on digestibility in young cattle. N. I. Makeev. Trudy Odesk. gos. univ. 1967, 10 no. 3, 278-280 '64.

Growing corn for silage in Kokchetav Province. M. M. Kogut. Vest. sel'khoz. nauki [Kazakh] 10 no. 3, 92-94 Mr '67.

SILAGE—CONGRESSES

Symposium on ensilage in Moscow, German Democratic Republic. I. N. Mikhulin. Izv. AN SSSR, Ser. khim. no. 3, 161-165 My-Ju '67.

SILANE

Action of triethylsilane on vinyl ethynylcarbons. A. D. Petrov, I. M. Gverdtsiteli, K. I. Cherkashvili. Trudy Tbil. GU 71, 121-125 '69.

Hydrohalogenation and iodination of trialkyl ethynylsilanes. M. F. Shostakovskii, V. N. Komarov, O. G. Idrakh. Izv. AN SSSR, Ser. khim. no. 3, 603-604 Mr '67.

Effect of hydride silanes on ethylene polymerization. N. S. Nannetkin, G. V. Sosokhin, V. N. Perchenko. Vysokom. soed. Ser. B 9 no. 1, 14-16 Ja '67.

Liquid-vapor equilibrium in the binary systems of dioxane with tri- and tetraethylsilane. I. I. Lapidus, L. A. Nisenzon, A. A. Karateeva. Zhur. ob. khim. 77 no. 3, 531-533 Mr '67.

Quantitative mass spectrometric analysis of monosilanes and monogermans. N. V. Larin, G. G. Dvoryatkin, I. L. Agafonov. Zhur. anal. khim. 22 no. 2, 285-288 F '67.

Reaction of trialkyl ethynylsilanes with mercaptans and thiocarbonyl acid. N. V. Komarov, O. G. Idrakh, G. A. Kalabina. Izv. AN SSSR, Ser. khim. no. 3, 690-692 Mr '67.

Structure of polymeric films formed from trimethyl-1-methoxysilane under the effect of glow discharge. P. V. Tkachenko, V. V. Bushin. Ukr. khim. zhur. 33 no. 2, 224-225 '67.

SILICA

Formation of specific silica gels in monomer vapors. F. A. Iampol'skaya, I. U. N. Politschik, M. V. Poliakov. Dokl. AN SSSR 173 no. 4, 870-872 Ap '67.

Method of production and the nature of molded silica gel. V. A. Ols'ko and others. Khim. prom. 43 no. 4, 44-46 Ap '67.

Reaction of titanium tetrachloride with silica gel. S. I. Kol'tsov, V. B. Aleskovskii. Zhur. prikl. khim. 40 no. 4, 907 Ap '67.

Reversible structural changes in glassy SiO₂ at elevated temperatures. A. I. Soldakov, V. V. Nechayeva, Fiz. tver. tela 9 no. 3, 921-925 Mr '67.

Role of silica dispersity and quantity of liquid phase in the process of sintering of silica cements. M. F. Cheburkov, V. A. P'achev, N. G. Dolinskaya. Zhur. prikl. khim. 40 no. 4, 900-901 Ap '67.

Spectrum of electron paramagnetic resonance centers in silicon dioxide. M. A. Moshechikov, L. A. Al'k, V. F. Amur'lenko. Fiz. i tekhn. poluprov. 1 no. 4, 507-509 Ap '67.

Study of the adsorption of acetaldehyde by aerosol, cationized and decationized zeolites by means of infrared spectroscopy. K. T. Geodakian, A. V. Kislov, V. I. Lygin. Zhur. fiz. khim. 41 no. 4, 904-907 Ap '67.

SILICATE BACTERIA see Bacteria, Silicate

SILICATES

Evaluation of diffusion potential in silicate systems with unipolar conductance. N. G. Korshakova, L. L. Kuzin, V. I. Malkin. Izv. AN SSSR, Ser. mai. 3 no. 1, 184-186 Ja '67.

Imparting hydrophobic properties to silicate glasses. L. M. Vinogradova, A. I. A. Korolev. Zhur. prikl. khim. 34 no. 4, 743-750 Ap '61.

(Continued)

Refraction of oxygen ion in three-component silicate melts. V. I. Malkin, B. M. Kogutov, A. Ryl'nikova, Izv. AN SSSR, Neorg. mat., 3 no. 152-156 Ja '67

Transportation of lead in vapors of silicate melt. L. N. Khetichkova, S. A. Sinirnova, I. N. Anikin, Dokl. AN SSSR 173 no. 4-929-930 Ap '67

SILICATES—ANALYSIS

Accelerated analysis of some silicate mineral groups. I. B. Molzhich, I. A. Stollanova, M. I. Shvalova, Trudy VSEGEI 125 186-194 '66

SILICATES—SPECTRA

Phosphina, I. I. [Infrared spectra of silicates] Infra-krasnye spektrysilikatov, [Moskva] Izd-vo Mosk. univ., 1967, 187 p.

Spectroscopic identification of SiO_2 groups in silicates. A. N. Lazarev, K. I. Istolgovskiy, no. 123-127 Ja '67

SILICIC ACID

Study of the state of liquids in gels of polysilicic acid by means of nuclear magnetic resonance. V. V. Stel'ko, B. M. Misluk, Z. Z. Vysotskiy, Teor. i eksper. khim., 3 no. 2 263-266 Mr.-Ap '67

SILICON

Preparation of pure surface of germanium, silicon, and quartz. Part 1. Desorption of copper, silver, indium, and antimony by water and acids. V. S. Solov'ev, V. S. Belanovskiy, Radiotekhnika 9 no. 2 240-246 '67

Preparation of pure surfaces of germanium, silicon, and quartz. Part 2. Desorption of copper, silver, indium, antimony, and gold by organic reagents. V. S. Solov'ev, A. S. Belanovskiy, Radiotekhnika 9 no. 2 246-250 '67

Studying the recombination properties of A-centers in silicon at helium temperatures. V. S. Vavilov, O. G. Koshelev, IU P Koval', Fiz. i tekhn. poluprov. 1 no. 1 15-19 Ja '67

SILICON—ACOUSTIC PROPERTIES

Anisotropic electron scattering in Si. E. M. Gershenson, I. U. A. Gurvich, N. V. Seibrikova, Fiz. i tekhn. poluprov. 1 no. 1 117-119 Ja '67

SILICON—PHOTOELECTRIC PROPERTIES

Recombination on the copper-oxygen complex in silicon. G. I. Voronkova, M. I. Iglitskaya, Fiz. i tekhn. poluprov. 1 no. 1 151-152 Ja '67

SILICON-BORON-CARBON ALLOYS

Study of chemical compounds in the system silicon-boron-carbon. N. V. Dokukina and others, Izv. AN SSSR, Neorg. mat., 3 no. 4 630-637 Ap '67

SILICON CARBIDE—DENSITY

Studying the temperature and density dependences of the hyperfine structure of the electron paramagnetic resonance spectrum in silicon carbide. A. I. Veinger, Fiz. i tekhn. poluprov. 1 no. 1 20-25 Ja '67

SILICON CARBIDE CRYSTALS

Oriented crystallization of α -SiC on diamond. A. V. Varenhavskiy, I. U. F. Shul'pikov, Dokl. AN SSSR 173 no. 3 573-574 Mr '67

SILICON CARBIDE CRYSTALS—OPTICAL PROPERTIES

Production and optical properties of cubic silicon carbide (β -SiC). M. L. Bello, N. K. Pokor'eva, M. B. Reifman, Fiz. i tekhn. poluprov. 1 no. 3 353-358 Mr '67

SILICON CARBIDE CRYSTALS—SPECTRA

Energy spectrum of acceptor as radiative recombination centers in silicon carbide. I. S. Gorbun', I. U. A. Maizuev, I. U. M. Subimov, Fiz. i tekhn. poluprov. 1 no. 4 612-614 Ap '67

SILICON CRYSTALS

Energy of the ionization threshold of electrons and holes in silicon. T. Purtilis, Fiz. i tekhn. poluprov. 1 no. 4 589-590 Ap '67

SILICON CRYSTALS—DEFECTS

Appearance of precipitation in silicon after boron diffusion. V. M. Al'shuflov, V. I. Pilyon, Fiz. i tekhn. poluprov. 9 no. 3 830-835 Mr '67

X-ray diffraction examination of defects developing in silicon in the case of deep phosphorus diffusion. I. L. Shul'pina, E. K. Kov'ev, Fiz. i tekhn. poluprov. 9 no. 4 1008-1011 Ap '67

SILICON CRYSTALS—GROWTH

Methods for determining the shape of the crystallization front in silicon single crystals grown from a melt by Czochralski's method. M. G. Milyavskiy, B. M. Turon'skiy, Kristallografiya 6 no. 1 143-146 Ja '67

SILICON CRYSTALS—PHOTOELECTRIC PROPERTIES

Fundamental absorption edge of silicon heavily doped with donor and acceptor impurities. A. A. Vol'fson, V. K. Subashiev, Fiz. i tekhn. poluprov. 1 no. 3 397-404 Mr '67

Nonlinear effects in zinc-compensated n-silicon. B. V. Kornilov, A. V. Anfimov, Fiz. i tekhn. poluprov. 1 no. 3 340-344 Mr '67

Photoelectric properties of gallium-doped silicon. E. E. Godik, I. A. P. Polkovskiy, Fiz. i tekhn. poluprov. 1 no. 3 405-409 Mr '67

SILICON CRYSTALS, EFFECT OF RADIATION ON

High resistance regions in silicon irradiated by protons. I. U. Bulgekov, T. I. Kolomenskaya, Fiz. i tekhn. poluprov. 1 no. 3 422-425 Mr '67

Radiation recombination on the radiative structure disturbances in silicon. M. V. Bortnik, V. D. Tkachev, A. V. Il'khovich, Fiz. i tekhn. poluprov. 1 no. 3 353-358 Mr '67

Studying the optical extinguishing of the photoconductivity in silicon containing radiative disturbances. P. F. Lugavko, V. D. Tyachev, Fiz. i tekhn. poluprov. 1 no. 3 374-383 Mr '67

SILICON DIODES

Dependence of the surface recombination velocity of the base of silicon diodes on temperature and injection level. V. I. Gaman, S. A. Zaidman, Izv. vys. ucheb. zav., fiz. 10 no. 2 156-157 '67

Effect of the surface recombination velocity on surface transition processes in silicon diodes. V. I. Gaman, S. A. Zaidman, Izv. vys. ucheb. zav., fiz. 10 no. 2 154-156 '67

SILICON-GOLD ALLOYS see Gold-silicon alloys

SILICON-IRON ALLOYS see Iron-silicon alloys

SILICON-MANGANESE ALLOYS—ELECTROMETALLURGY

Hearth structure in an open furnace for smelting silicon-manganese. I. T. Zhurav and others, Izv. vys. ucheb. zav., Chern. met., 10 no. 4 17-40 '67

New developments in research. M. P. Kollasnikov and others, Stal', 27 no. 3 238-239 Mr '67

SILICON ORGANIC COMPOUNDS see Organosilicon compounds

SILICON OXIDE

Diffusion of phosphorus through oxide film in silicon. G. S. Kulikov, B. I. Boltske, E. P. Savin, Izv. AN SSSR, Neorg. mat., 3 no. 1 26-28 Ja '67

SILICON OXIDE—THERMODYNAMICS

Phase composition of amorphous films obtained by vapor condensation in vacuum heating a mixture of silicon oxide and silicon. T. I. Gadeeva, Z. P. Pasheva, Dokl. AN SSSR 165 no. 6 1329-1331 D '65

SILK MANUFACTURE see subdivision under Soviet Central Asia

SILK MANUFACTURE—HYGIENIC ASPECTS see subdivision under Ashkhabad

SILKWORM BREEDING

Hemolymph proteins in different silkworm breeds. I. U. B. Fikhpovich, M. I. Aheva, P. I. biokhim. i mikrobiol., 3 no. 2 192-197 Mr.-Ap '67

SILKWORMS

Study of microsomes and ribosomes of silk-excreting glands in Bombyx mori L. N. A. Gumilevskaya and others, Dokl. AN SSSR 165 no. 6 1431-1434 D '65

SILOXANES

Absorption of fatty acids from aqueous solutions on hydrophobic hydride- and methyl polysiloxanes. I. B. Sinitskaya, G. B. Budkevich, Ukr. khim. zhur., 33 no. 2 157-161 '67

Magnitude of SiOSi angle in carbo-cyclosiloxanes. L. M. Volkova, N. A. Chumakovskiy, Dokl. AN SSSR 173 no. 3 586-601 Mr '67

SILOXANES—ADSORPTIVE PROPERTIES

Study of the adsorptive properties of ethyl-, phenyl-, and polysiloxane hydrides by means of gas chromatography. I. B. Sinitskaya, A. N. Korol', Ukr. khim. zhur., 33 no. 4 373-376 '67

SILT see subdivision under Norwegian Sea

SILT—MICROBIOLOGY

Amount of bacteria and vitamin B_{12} content in active silt. Z. V. Lazurkevich, I. H. Bukh, L. V. Stolanova, Mikrobiol. zhur., 29 no. 2 100-105 Mr.-Ap '67

SILVER

Effect of silver ions on the solutions of some carbohydrates during storage. I. U. N. Zhvanko, A. P. Pisarenko, L. M. Cherepova, Izv. vys. ucheb. zav., fizich. tekhn., 10 no. 2 33-35 '67

SILVER—SOLUBILITY

Diffusion, solubility, and charge state of silver in indium arsenide. B. I. Boltske, S. I. Rembeza, B. I. Sharman, Fiz. i tekhn. poluprov. 1 no. 2 247-254 F '67

SILVER-ALUMINUM ALLOYS see Aluminum-silver alloys

SILVER COMPOUNDS

Study of the stability of silver complex compounds with some amino acids and determination of ionization constants of acids. I. U. M. Yuzov, A. Kh. Miftakhova, V. F. Toropova, Zhur. neorg. khim., 12 no. 3 861-865 Mr '67

SILVER CRYSTALS—GROWTH

Orienting effect of silver crystals on the growth of surface oxides. N. A. Shishakov, R. I. Nazanova, Izv. AN SSSR, Ser. khim., no. 3 512-515 Mr '67

SILVER ELECTRODES see Electrodes, Silver

SILVER FOX

Changes in weight of thyroid gland in silver foxes exposed to conditions of maintenance during the state of organism. M. V. Val'pov, Trudy. Akad. Nauk SSSR, 16 71-83 '57

SILVER NITRATE—TOXICOLOGY

Use of unithiol as antidote in pulmonary edema caused by intravenous introduction of silver nitrate. Romanov, Farm. i tokz. 30 no. 2 237-238 Mr '67

SILVER ORES see subdivision under Chukotka Peninsula, Udokan Range

SILVER OXIDES

Orienting effect of silver crystals on the growth of surface oxides. N. A. Shishakov, R. I. Nazanova, Izv. AN SSSR, Ser. khim., no. 3 512-515 Mr '67

SIMFEROPOL' REGION—GEOLOGY

Development of the ancient depression in the Simferopol' region. S. B. Al'bov, Geol. i tekhn. 6 66-99 '60

SIMFEROPOL' RESERVOIR—MYSDAL

New Mesomysia intermedia Czern. (Crustacea, Mysidacea) in Simferopol' Reservoir. P. O. Zhurav, Dop. AN URSR no. 1 91-93 '61

SIMULATION METHODS

Determination of the self-simulating area for steady foundry gas systems. T. A. Nakhshin, Zh. tekhn. fiz. 7 no. 3 34-37 Mr '67

Dynamic analog of the transportation problem. I. I. Pukhov, V. O. Lapa, Dop. AN URSR, Ser. A 24 no. 1 331-335 Ap '67

Lav governing the deformation of solids evolved from statistical representations of microstress of the material. V. O. Kuz'menko, Dop. AN URSR, Ser. A 24 no. 1 331-339 Ap '67

Simulation of aerial electric prospecting with the use of the effect of the factor conductivity of the media. I. U. B. Shaul, Geofiz. zap., no. 2 11-14 '67

SINTERING

Desulfuration during the sintering of magnetite ores and concentrates with magnesite waste rock. I. I. No. 2, M. S. Bykov, Izv. vys. ucheb. zav., fizich. tekhn., 10 no. 4 29-34 '67

Effect of fuel granulometry on the value of air velocity coefficients during sintering. S. P. Efimenko, G. G. Efimenko, Izv. vys. ucheb. zav., fizich. tekhn., 10 no. 2 28 '67

Experience in heat treatment of sinter from area of Kursk Magnetic Anomaly. A. N. Pokhvalov and others, Stal', 27 no. 3 197-200 Mr '67

In the Urals Research Institute of Ferrous Metals. I. Dubov, Stal', 20 no. 5 403 My '60

Mechanism of mineralization during the making of sinter. D. A. Kiselev, T. I. Litvinova, Stal', 20 no. 5 403 My '60

New principle of sintering refractories. M. I. L'vov, Dop. AN URSR, Ser. B 29 no. 1 72-71 Ja '66

Sintering of refractories. N. F. Kozlovskiy, I. U. B. Shaul, Dop. AN URSR, Ser. B 29 no. 3 234-236 Mr '66

Studying sintering and properties of solid solutions of carbides. V. M. Goplanov, V. G. Sobolev, Fiz. i tekhn. poluprov. 7 no. 4 30-33 Ap '67

Thermodynamic analysis of reactions of components of alumina sintered materials with solutions. I. I. Shul'pina, Zhur. prikl. khim., 40 no. 4 753-758 Ap '67

SINTERING—EQUIPMENT AND SUPPLIES

(see also subdivision under Krivoy Rog Basin)

Carbon distribution during the nodulizing of sinter. G. G. Efimenko, S. P. Efimov, Izv. vys. ucheb. zav., fizich. tekhn., 10 no. 4 18-23 '67

SINTERING—QUALITY CONTROL

Influence of the moisture and fineness of concentrates on the quality of charge mixing and sinter strength. I. I. Khokhlov, G. I. Komornikov, Stal', 27 no. 3 193-197 Mr '67

SIVASH—BRINES—ANALYSIS

Metamorphosis of brines in the Sivash. I. U. A. Sinitskaya, Suor. rab. BGMO CHAM no. 4 3-10 '66

SIZING (PAPER)

Effective installation. A. V. Smazin, Bum. prom., no. 2 21 F '67

Improvement of the method for the production of resin size. A. P. Petrov, A. G. Sokolov, Bum. prom., no. 2 15-16 F '67

Method for the production of glue from resin for the sizing of paper. A. Kalinin, D. Svirskiy, J. Zanders, Gldroliz. i tesokhim. prom., 20 no. 3 25-26 '67

SIZING (TEXTILE)

Use of solvato N for sizing. V. F. Vanashova, Tekst. i prom., 27 no. 2 39-40 F '67

SKARNS see subdivision under Transcarpathia

- SKIN**
Experimental examination of skin reaction to combined effect of X-ray irradiation and chisonallin V N Letov Med rad 12 no 11-15 Ap '67
Study of the effect of nitrolic acid and its amide on allergic reactivity of the skin. V G. Akumov Sov med 38 no.353-57 M '67.
- SKIN—CANCER**
Changes in radioactivity of the blood, carcino-lytic properties of the serum during development and resolution of Brown-Pearce carcinoma. K. P. Balytskyi and others. Dop. AN URSR no. 1 115-119 '61
Role of ultraviolet irradiation in the genesis of skin cancer L N Gasil'tse Vop ekap onk no 2 97-101 '66.
- SKIN—DISEASES**
Use of artificial kidney in a patient with acute renal insufficiency complicated by drug toxicodermis. A. M. Mar-shak, G. P. Kulakov, M. M. Mendelson. Sov. med. 27 no.8 112-114 Ag '63.
- SKIN—INNERVATION**
Changes in forearm skin nerves. G. A. Gadzhiev. Uch. zap AGU Ser. biol. nauk. no. 4 55-59 '61
- SKIN—NECROSIS**
Case of lipoid necrobiosis of the skin. L. P. Aleksieva, V. N. Telegin. Arkh. pat. 29 no.3 69-72 '67.
- SKIN—PERMEABILITY**
Study of the permeability of a split skin autotransplant using radioactive indicators A A Leon'teva, T. I. Shumilina. Ortop. i travm. i protz 28 no. 4 49-51 Ap '67.
- SKIN EFFECT**
Skin effect in an extremely strong magnetic field. Part I G. A. Shadrison Zhur. tekhn. fiz 37 no 3 513-522 M '67
Skin effect in the case of an intensive superhigh frequency discharge A P Motolenko, B V Bratunov. Zhur. tekhn. fiz 37 no. 5 903-905 My '67
- SKIN GRAFTING**
Study of homografts in mice of congenic strain B10.D2 by skin grafting. I K. Egorov Biol. eksp. biol. i med. 63 no 5 101-106 My '67.
Study of the permeability of a split skin autotransplant using radioactive indicators A A Leon'teva, T. I. Shumilina. Ortop. i travm. i protz 28 no 4 49-51 Ap '67
Transplantation of the skin of the human embryo. V. P. Eloro Khirurgia 13 no 4 53-55 Ap '67
Use of serological reactions in studying immunity in homotransplantations of the skin in rabbits L B Gelfand and others Biol. eksp. biol. i med. 63 no 5: 67-69 My '67.
- SKULL**
Characteristics of correlational structure of skull characters in common and Transcaucasian field mice (Mammalia, Glirrea) S V Kanep Zool. zhur 16 no. 2 303-306 F '67
Effect of heredity mutation on craniofacial characters of *Mus mus* Brisson IU. E. Egorov. Genetika no. 3 85-91 Mr '67.
- SKULL—BLOOD SUPPLY**
Characteristics of the distribution of the pulse wave in cranial vessels in pathology of the main cerebral arteries. V. M. Gabashvili Zhur. nevrol. i psikh. 67 no. 4 188-190 '67.
Relation between the reaction of cerebral and extracranial vessels. IU. A. Malokovskii Zhur. nevrol. i psikh. 67 no. 4 191-196 '67.
- SKY—LUMINESCENCE**
Stratospheric balloon measuring of the brightness of a clear daytime sky in the 1-6 km region T. D. Sholokhov and others Izv. AN SSSR. Fiz. atm. i okeana 3 no. 4 402-408 Ap '67
- SLAG**
Cyclone smelting of slags from Ientnogorsk Lead Plant. V. D. Budon and others. Trudy Inst. met. i obog. AN Kazakh. SSR 1965-18 '66.
Influence of the slag on heat processes in electric furnaces. V. E. Pirozhnikov. Stal' 27 no. 3 233-234 Mr '67.
Kinetics of the anodic removal of sulfur from molten slags. V. N. Boronchenko and others. Izv. vys. ucheb. zav., Chern. met. 10 no. 1 10-14 '67
Processing slags from the smelting of secondary aluminum alloys. A. I. Fisher, N. A. Alferova, A. A. Mikhlin. TSvt. met. 34 no. 7 76-81 Ji '61.
Strength of new hydrate formations of some slag minerals and glasses hydrated over 5-year period. V. S. Gorbakov, T. V. Khmelevskaya. Zhur. prikl. khim. 40 no. 4: 775-781 Ap '67.
- SLAG—ANALYSIS**
Effect of technological factors on content of iron oxides in slag from oxygen-blown converter process. V. M. Seivertskii and others. Izv. vys. ucheb. zav., Chern. met. 10 no. 4 38-42 '67.
Solubility of iron oxides and other slag-forming constituents in copper matte. A. I. Kurochkin, I. A. Onaev, A. N. Kvatskovskii. Trudy Inst. met. i obog. AN Kazakh SSR 1965-75 '66.
- Viscosity of slags during blast furnace smelting of titanium magnetites. S. V. Shavrin, I. N. Zakharov, S. V. Shengol'meyer. Izv. AN SSSR. Met. no. 2 14-21 Mr-Apr '67.
- SLAG—DENSITY**
Physicochemical properties of slags of the system $\text{CaO}-\text{Al}_2\text{O}_3-\text{Me}_2\text{O}$. Report No. 2. P. P. Evseev, A. E. Filippov. Izv. vys. ucheb. zav., Chern. met. 10 no. 3 55-59 '67.
- SLAUGHTERING AND SLAUGHTERHOUSES**
Improved design of the pushing-pin of a conveyor. G. Fasolla, I. Smirnov. Mas. ind. SSSR 38 no. 4 19 Ap '67
- SLAUGHTERING AND SLAUGHTERHOUSES—EQUIPMENT AND SUPPLIES**
Automated cableway for the transportation of stomach contents. A. Sviridov. Mas. ind. SSSR 38 no. 4 24-25 Ap '67.
- SLAVIC ANTIQUITIES** see subdivision under 'Uman' region
- SLAVIC STUDIES—BIBLIOGRAPHY** see Bibliography—Slavic studies
- SLAVS** see subdivision under Danube Valley
- SLEEP**
Stable polarization potentials of the human brain during wakefulness, narcosis and sleep. M. Kh. Starobinets. Zhur. vys. nerv. defat. 17 no. 2: 338-341 M-Apr '67
- SLIDE VALVES**
Compensation of the effect of hydrodynamic forces on the error of their division in the office-type current dividers. M. B. Tugger, N. A. Kulikov. Izv. vys. ucheb. zav., gor. zhur. 10 no. 2 117-124 '67.
- SLOPES (PHYSICAL GEOGRAPHY)** see subdivision under Krasnoyarsk Territory
- SLOPES (SOIL MECHANICS)**
Deformations of the slopes of Sibay Open-Pit Mine S I Popov, I. V. Voronin, B. G. Permlakov. Gor. zhur. 142 no. 3 19-22 M '67.
- SLOVAK LANGUAGE—CONVERSATION AND PHRASE BOOKS—RUSSIAN**
[Slovak-Russian phrase book] Malá príručka slovensko-ruskej konverzacie. 2. vyd. Moskva, Nakladatel'stvo cudzojazyčnej literatury, 1963. 160 p. [In Slovak and Russian]
- SMELTING FURNACES**
(see also subdivision under Kazakhstan)
Gas smelting furnace for producing superheated cast iron IU V Chalygin, A. T. Finov. Gaz. prom. 12 no. 1 35-38 M '67
- SMERAL, BOHUMIL, 1880-1941**
Bohumil Sméral's description of Soviet Russia in 1920. Ist. SSSR no. 2 184-190 Mr-Apr '67.
- SMOKING**
Content of 3, 4-benzopyrene in the smoking products of some brands of tobacco items. IU P. Borisov. Vop. eksp. onk. no. 2 93-97 '66
- SMOLENSK—KNIT GOODS INDUSTRY**
Smolensk Knit Goods Factory has been put in operation. D. M. Zait'sberg. Tekst. prom. 27 no. 4 51-53 Ap '67.
- SMUTS**
Importance of the chlamydiae dots of the agent of covered smut of barley N. Al'muratov. Vost. sels'khoz. nauki [Kazakh.] 9 no. 12: 98-101 D '66.
Smut is retreating. A. S. Sukhanin, E. A. Stepanov. Zashch. rast. 12 no. 4: 12-13 '67.
- SNAKES**
(see also subdivision under Azerbaijan)
Nedialkov, A. D. [Snake hunters] Lov'sy zmei. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike. XIII Seriya: Nauka o Zemle, 6)
- SNOW SURVEYS**
Maximal water reserves in snow cover of European part of U S S R. based on data of 1892-1960 V. D. Komarov, E. S. Sinegub. Trudy TSIP no. 148 150-100 '66.
Precision in determining snow reserves in mountain basin. A. N. Vazhinov. Trudy TSIP no. 148: 143-149 '66.
- SNOWFLOWS—DESIGN AND CONSTRUCTION**
Shalman, D. A. [Snowflows] Snegochislitel, Leningrad, Mashinostroenie, 1967. 189 p.
- SOAKING PITS**
Klimov, V. T. [Construction of one-of-a-kind soaking pits for continuous pouring of steel; work practice of Gidropetfundamentstrot] Stroitel'stvo unikal'nykh opusnykh kolodtsev dlia neporyvnoi razlivi stali; opyt raboty tresta "Gidropetfundamentstrot." Moskva, Stroizdat, 1965. 47 p. (Novosti stroitel'noi tekhniki SSSR)
- SOAKING PITS—MODELS**
Modeling solidification processes and the heating of angles of rectangular cross section L. M. Goldfarb and others. Izv. vys. ucheb. zav., Chern. met. 10 no. 4: 149-153 '67.
- SOAKING PITS—THERMODYNAMICS**
Automatic control of heat conditions of regenerative soaking pits. O. A. Ivanov and others. Stal' 27 no. 3 273-275 Mr '67.
- SOAP**
Zalopo, M. N. [Face soap, selection and use] Tushchoe mylo; vybor i primeneniye. Moskva, Pishchevaia promysl., 1967. 76 p.
- SOAP—DRYING**
Stabilization of soap chip levels in the valves of a vacuum drying unit. M. I. Muchnik, V. T. Finkov. Izv. vys. ucheb. zav., pishch. tekhn. no. 2: 134-140 '67.
- SOCCER**
Romm, M. D. [I am a fan of Spartak; sport, travel, mountain climbing] IA bolotu za Spartak, sport, puteshestvia, voshkhozhdenia. Alma-Ata, Zhazuly, 1965. 324 p. (MI)
- SOCI—TELEVISION PROGRAMS**
Television in a health resort. N. Kislitsyn, V. Stankevich. Sov. radio i tel 9 no. 1 32-33 Jun.
- SOCI REGION—TEA**
Tea growing in subtropics of Krasnodar Territory. S. F. Medunov. Subtrop. kul't. no. 4: 56-61 '66.
- SOCIAL CONFLICT**
(see also subdivision under Siberia)
The class struggle in the countries of developing capitalism at the present stage G. Katsmann. Mezhdunar. zhurn' 14 no. 5: 150-155 '67.
- SOCIAL GROUP WORK**
(see also subdivision under Kalinin Province, 'Ternopol' Province)
Communications from readers. Agitator 35 no. 6-9 My '67
From the editor's mailbox. Agitator no. 1: 50-60 Ja '62
Gabricheze, B. N., and A. K. Konev. [Committees of streets and residential blocks] Ulichnye (kvartalnye) komitety. Moskva, Iurid. lit-ra, 1965. 69 p. (MI-L)
- SOCIAL HYGIENE** see Public health
- SOCIAL INSURANCE** see Insurance, Social
- SOCIAL PARTICIPATION** see subdivision under Novosibirsk
- SOCIAL PSYCHOLOGY**
How agitation and propaganda affect the formation of and changes in social psychology. V. M. Akimov. Vliyanie I. viv. un. Ser. sots. nauk no. 2 126-134 '66.
V. I. Lenin on relationship between the practical work of the party and the psychology of the masses V. II Kostenko. Vliyanie I. viv. un. Ser. sots. nauk no. 2 121-125 '66.
- SOCIAL SCIENCE RESEARCH** see subdivision under Ukraine
- SOCIAL SCIENCES**
Krasnoyarskii Institut isslednykh nauch. [Political economics, philosophy, and the history of the CPSU, papers delivered at the Second Scientific and Technological Conference] Politicheskaya ekonomika, filosofiya i istoriya KPSS: doklady na II nauchno-tekhnicheskoi konferentsii. Pod red. A. A. Seigova i P. E. Krizheva. Krasnoyarsk, 1964. 47 p.
- SOCIAL SCIENCES—BIBLIOGRAPHY** see Bibliography—Social sciences
- SOCIAL SCIENCES—STUDY AND TEACHING**
(see also subdivision under Uzbekistan)
Akademiya pedagogicheskikh nauk RSFSR. Institut obshchestva i politicheskogo obrazovaniya. [Teaching social sciences, materials of the All-Russian Conference of Social Science Teachers in January 1964 and "Pedagogical lectures" in January 1965] O prepovedanii obshchestvovedeniia; iz materialov Veerosalskogo seminar' uchitelov obshchestvovedeniia, yanvar' 1964 g. i "Pedagogicheskie lektsii." Moskva, Prosveshcheniye, 1965. 129 p. (NIC)
Teaching students to work with newspaper material. A. N. Krivonoz. Sred. shkol. obr. 11 no. 3 16-19 Mr '67
When we love touch with textbooks... V. Iurban. Mol. komm. no. 1 73 '67.
- SOCIALISM**
On strengthening the unity of socialist society. Iur' Iendrich. Kommunist 44 no. 6 82-87 Ap '67.
Socialism and everyday life. Kommunist 44 no. 6 81-74 My '67.
[Socialism, the first phase of communism] Sotsializm - pervaya faza kommunizma. Moskva, Vysshiaia shkola, 1967. 140 p.

SODIUM CARBONATES

Reduction of zinc in Na_2CO_3 solution. E. F. Zavgorin, I. P. Rodak, V. V. Ignatko. Ukr. khim. zh. 33 no. 4:416-419 '67.

SODIUM CHLORIDE—THERMAL PROPERTIES

Dispersity contribution to the heat capacity of sodium chloride and graphite. Kh. B. Kholonov. Uch. zap. Kob.-Balt. gos. univ. no. 13:108-112 '67.

SODIUM COMPOUNDS

Synthesis of $\text{Na} + \text{NaOH} \cdot \text{Na}_2\text{O} + \text{NaH}$. B. A. Shikhov. Zhur. neorg. khim. 12 no. 4:1035-1040 Ap '67.

SODIUM FLUORIDE

Double salt formed on heating calcium carbonate with sodium fluoride. I. G. Luginina. Zhur. VkhO 12 no. 2, 239-240 '67.

SODIUM IODIDE CRYSTALS—ELASTIC PROPERTIES

Temperature dependence of elastic constants of sodium iodide crystals. B. K. Kardashev, S. P. Nipantov. Fiz. tverd. tela 9 no. 3:952-954 Mr '67.

SODIUM NITRIDE CRYSTALS—FERROELECTRIC PROPERTIES

Studying ferroelectric transitions in NaN_3 crystals from Raman scattering spectrum in the region of NO_2 anion vibrations. E. V. Chislet, M. S. Shur. Fiz. tverd. tela 9 no. 4:1015-1019 Ap '67.

SODIUM OXIDE

Effect of sodium oxide on the physicochemical properties of ferrous-magnesia silicate melts. N. A. Toropov, B. A. Briantsev. Izv. AN SSSR, Neorg. mal. 3 no. 4:601-624 Ap '67.

Equilibrium diagram of the system $\text{TeO}_2 - \text{Na}_2\text{O}$. B. P. Troitskiy, A. K. Iakshin, N. S. Martyschenko. Izv. AN SSSR, Neorg. mal. 3 no. 4:741-743 Ap '67.

Reaction of oxides of heavy rare earth elements with sodium oxide. I. A. Muravleva, L. M. Kovina, V. I. Spitsyn. Dokl. AN SSSR 172 no. 6:1380-1381 F '67.

SODIUM PYROSULFATES

Corrosion resistance of steel in the production of sodium pyrosulfate. E. S. Letskikh, N. V. Babkova, E. I. Zereva. Khim. om. 43 no. 4:69-70 Ap '67.

SODIUM SALICYLATE—PHYSIOLOGICAL EFFECT

Characteristics of the influence of sodium salicylate in different stages of embryogenesis in rats and its effect on the hormonal activity of some changes in the body of the female. N. A. Chebotari. Farm. i toks. 30 no. 2:221-225 May '67.

SODIUM SELENITES—FERROELECTRIC PROPERTIES

Nuclear magnetic resonance and ferroelectric properties of sodium hydroselenite mixed crystals. G. V. Gavrilova-Podolskaya and others. Fiz. tverd. tela 9 no. 4:1166-1170 Ap '67.

SODIUM SULFATES

Latest results of treating cholelithiasis of the middle ear with a sodium sulfate-lysine solution. A. V. Varslavskiy, Zhur. uzh., nos. 1:gori. bol. 20 no. 2:68-71 Mr '67.

SOFIA—THEATER

"Uncle's dream" on the stage of Sofia. Kaia Vasileva. Teatr 28 no. 3:115-116 Mr '67.

SOFT DRINK INDUSTRY see subdivision under Armonia

SOFT DRINK INDUSTRY—EQUIPMENT AND SUPPLIES

Rudolf, V. V. [Mechanization of the technological processes of the production of soft drinks] Mekhanizatsiya tekhnologicheskikh protsessov proizvodstva bezalkogol'nykh napitkov. Moskva, Pishchevala promyshl., 1967, 178 p.

SOFT DRINKS—ANALYSIS

Volumetric analytical method for the determination of carbon dioxide in beer and carbonated soft drinks. M. V. Zazulina and others. Khim. prom. no. 2:31-32 Mr '67.

SOIL, PODZOLIC see Podzol

SOIL BINDING

The land vaults: comments of readers. Otklady 38 no. 6:152-155 Je '67.

SOIL CHEMISTRY

Agrochemical characteristics of soils and the effect of fertilizers on cotton yield on "Pakhla-Aral" State Farm. U. Bekturaev. Nauch. trudy TashGU no. 20:28-42 '66.

Agrochemical service in Odessa Province. V. E. Balagan-skaya. Khim. v sel' khoz. 5 no. 4:59-61 Ap '67.

SOIL CONSERVATION see subdivision under Central

SOIL CONSERVATION—EQUIPMENT AND SUPPLIES

[Mechanization of the work in controlling wind erosion of soils] Mekhanizatsiya rabot po bor'be s vetrovoj eroziy (DNL). Moskva, Kolos, 1968, 168 p.

SOIL CORROSION

Methods of reducing errors in the measurement of specific resistance of soil in field conditions. K. N. Afonitskiy, M. M. Suban-Zadov, P. A. Sybilin. Tekh. prog. 7 no. 1:1-10, 46 Ju '67.

SOIL DISINFECTION

Hygienic evaluation of grapes grown in fumigant. A. G. Gullko, L. S. Makotkina. Uch. zap. Kob.-Balt. gos. univ. no. 2:37-38 '66.

New attachment to the FIVN-2, 8 vineyard plot for fumigation. P. A. Lukashovskiy, K. B. Gulyukov. Tekh. prog. 7 no. 2:64-66 '68.

SOIL FERTILITY see subdivision under Kharkov Territory

SOIL FREEZING

Using heliograph freezing of rocks. P. A. Sybilin. Ugol' Ukr. 33 no. 1:37-38 Ju '67.

SOIL FUNGI see subdivision under Uren' District

SOIL INOCULATION

Effect of phosphorobacterin on development of roots of wheat and increase of yield of winter wheat. M. A. Bystova. Trudy VIZR no. 13:68-70 '68.

SOIL MECHANICS

Lil'nov, I. M. [Devices for field studies of soils] Dvuborydnye issledovaniya grunтов v polevykh usloviyakh. Kiev, Izd-vo Akad. arkhi. Ukrainy, 1954, 142 p.

Moschlan, S. R. [Creep of clay soils] Pochvy i stoyk. stoyk. grunov. Elevan, Izd-vo Akad. nauk Arm. SSR, 1967, 348 p.

SOIL MICRO-ORGANISMS

(see also subdivision under Georgia; Golebiya Slobo)

Effect of hexachlorocyclopentadiene on soil microorganisms. N. P. Pavlenko. Fil. i myr. bor. i med. no. 2:1-10 '67.

Effect of micro-organisms on the degree of assimilation of nitrogen by plants from soils and fertilizers. TSKIA no. 1:22-31 '66.

SOIL MOISTURE

Interrelation between pathogens of leaf rust and wheat plants under various conditions of soil moisture. V. A. Topolovskiy. Trudy VIZR no. 13:41-44 '68.

Method of calculating moisture exchange between bricks and underlay, based on quantitative analysis of soil. S. A. Sidiakin. Trudy Kal. gos. univ. no. 1:121-126 '59.

Molality and air conditions of post-hog soils as a function of perennial grasses. A. B. Usunka. Vestn. AN B. S. S. S. R. no. 1:41-53 '67.

Phosphate absorption by soils of different moisture. P. G. Adamikhin, G. S. Volkova. Nauch. dokl. vyssh. shkol. biol. nauk 10 no. 3:129-131 '67.

Preservation of moisture in fields after harvest. I. U. Adominko. Zemledelie 24 no. 4:36-37 Ap '67.

Shut'gin, A. M. [Soil climate and its regulation] Klimat pochvy i ego regulirovanie. Leningrad, Gidrometizdat, 1967, 297 p.

Soil moisture conditions and sowing rates. P. A. Zomledelle 20 no. 3:10-12 Ap '67.

Soil moisture potential. A. D. Voronin. Nauch. dokl. vyssh. shkol. biol. nauk 10 no. 3:119-120 '67.

SOIL PERCOLATION

Simulation of an arbitrary draining channel at the base of a water-bearing layer. S. V. Krasnigina. Tekh. prog. 45 no. 2:319-324 '67.

SOIL RESEARCH

[Physicochemical methods for studying soils: adsorption and isotope methods] Fiziko-khimicheskie metody issledovaniya pochvy: adsorbtionnyye i izotopnyye metody. Moskva, Nauka, 1968, 108 p.

SOIL SCIENCE

Soil science and geochemistry of a landscape. V. V. Dobrovolskiy. Nauch. dokl. vyssh. shkol. biol. nauk 10 no. 3:7-10 '67.

SOIL STABILIZATION

Bel'nov, V. E., and A. V. Pisholov. [Mechanical and physicochemical methods of soil stabilization] Mekhanicheskie i fiziko-khimicheskie metody ukrepleniya i stabilizatsii pochvy. Moskva, Nedra, 1967, 114 p.

Multistage soil stabilization. N. V. Varlamov. Tekh. prog. 30 no. 3:24 Mr '67.

SOIL TEMPERATURE

Shut'gin, A. M. [Soil climate and its regulation] Klimat pochvy i ego regulirovanie. Leningrad, Gidrometizdat, 1967, 297 p.

SOILS see subdivision under Caucasus; Dzhambul Province; Moldavia; Tselinograd Province

- SOILS—ANALYSIS**
(see also subdivision under Georgia)
Effect of total content of sample on the intensity of the studying elements in spectral analysis of plants and soils. T. F. Borovik-Romanova, I. F. Gribovskaya. *Agrokhitmita* no. 5 126-129 My '67.
- Use of centrifugation for separating soil solutions. N. A. Komarova, N. V. Kniashva. *Agrokhitmita* no. 4 130-136 Ap '67.
- SOILS—BORON CONTENT** see subdivision under Golemdraya Steppe
- SOILS—CLASSIFICATION**
[Taking stock of the land resources of the U. S. S. R. and grouping them by agricultural production types] Ucheb i agropriobzvodstvennye gruppirovki zemel'nykh resursov SSSR. Moskva, Nauka, 1967, 100 p.
- SOILS—COBALT CONTENT** see subdivision under White Russia
- SOILS—COPPER CONTENT** see subdivision under Georgia
- SOILS—IRON CONTENT**
Transformation of iron forms and availability of nitrogen in rice fields. N. S. Kandamurov. *Agrokhitmita* no. 4 103-110 Ap '67.
- SOILS—MANGANESE CONTENT** see subdivision under Crimea
- SOILS—NITROGEN CONTENT**
(see also subdivision under Georgia)
Effect of farm manure and mineral fertilizers on the resources of humus and nitrogen in the (Podzolic soils in subsoiling. A. K. Iartseva, A. V. Morozova. *Agrokhitmita* no. 5 111-119 My '67.
- Transformation of iron forms and availability of nitrogen in rice fields. N. S. Kandamurov. *Agrokhitmita* no. 4 103-110 Ap '67.
- SOILS—OXYGEN CONTENT** see subdivision under White Russia
- SOILS—PHOSPHORUS CONTENT**
(see also subdivision under Udmurt A. S. S. R.)
Dynamics of phosphates of Podzolized soil depressions and ionized Chernozems as related to the occurrence of temporary reduction processes in them. I. S. Kaurichov, L. P. Andriashkina. *Izv. VASKH* no. 1 70-80 '66.
- Forms of phosphoric acid compounds in various soils of the Sterozem zone. K. B. Saakia. *Nauch. trudy TashGU* no. 20 16-27 '66.
- Mobility of phosphates in soils. A. I. Kudel'arova. *Agrokhitmita* no. 5 43-50 My '67.
- New colorimetric method for determining phosphorus content of soils and plants. L. Van Tlom (Le-van-Tlom). *Agrokhitmita* no. 5 117-121 My '67.
- Phosphate absorption by soils of different moisture. P. G. Adorikhin, G. S. Volkova. *Nauch. dokl. vys. shkoly, biol. nauk* 10 no. 3 128-131 '67.
- Phosphate balance of Chernozem soils in plowing with and without moldboard. G. I. A. Paletskina. *Agrokhitmita* no. 5 57-60 My '67.
- SOILS—POTASSIUM CONTENT**
Effect of the use of fertilizers during a period of fifty years on the content and forms of potassium in Chernozem soils. I. U. K. Kuzlin, S. V. Sukhobrus, G. G. Farinik. *Agrokhitmita* no. 4 3-12 Ap '67.
- SOILS—SPECTRA**
Effect of total content of sample on the intensity of the studying elements in spectral analysis of plants and soils. T. F. Borovik-Romanova, I. F. Gribovskaya. *Agrokhitmita* no. 5 120-129 My '67.
- SOILS—ZINC CONTENT** see subdivision under Crimea
- SOLIMONOV, FEDOR IVANOVICH, 1882-1980**
New sources on the geographical works of Fedor Ivanovich Solimov; on the 250th anniversary of his birth. L. A. Gol'denberg. *Izv. AN SSSR. Ser. geog.* no. 2 110-126 Mr-Apr '67.
- SOKOLOVA, ANTONINA NIKOLAEVNA**
Deserved reward. L. Babenko. *Sov. radio i tel.* 0 no. 5 34-35 '60.
- SOLAR ACTIVITY**
Study of instability of heliogeophysical relations. B. A. Stepirov-Shevelievich. *Trudy AANII* 257:93-118 '67.
- SOLAR BATTERIES**
Panchenko, E. I., and A. S. Korovkin. [Cosmic electric power engineering] Kosmicheskaya elektromagnetika. Predisl. N. S. Lidorenko. Moskva, Znanie, 1967, 30 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika, astronomiya, 5)
- SOLAR FLARES**
Possible polarization of the Roentgen bremsstrahlung from solar flares. A. A. Korchak. *Dokl. AN SSSR* 173 no. 2 291-294 Mr '67.
- SOLAR FLARES—SPECTRA**
Function of a source of proper emission for dispersing mediums. L. N. Bazanova, V. I. Krat. *Izv. GAO* 24 no. 1 3-10 '66.
- SOLAR RADIATION**
Absorption of solar radiation by sea ice. N. P. Shesterikov. *Trudy AANII* 247:78-83 '67.
- Calculation and analysis of long-wave radiation in atmosphere. V. G. Boldyrev, G. N. Kudanova. *Trudy MMTS* no. 11 115-127 '66.
- Calculation and analysis of radiation fluxes and influences of heat in presence of cloud cover. N. V. Vaitko, A. I. Kivganov. *Trudy MMTS* no. 11 145-151 '66.
- Comparison of some results in simultaneous measuring of solar wind characteristics made on board cosmic vehicles "Venera-3" and "Pioneer-6". K. I. Gringauz and others. *Kosm. issl.* 5 no. 2 310-311 Mr-Apr '67.
- Determining the distribution of angular velocity of solar rotation in subphotospheric layers. B. M. Rubashov. *Izv. GAO* 21 no. 1 11-18 '66.
- Geometrical calculation model of solar heat flows reflected from the planet. V. I. Krasovskii. *Kosm. issl.* 5 no. 2 308-310 Mr-Apr '67.
- Observations of the solar wind by means of interplanetary station "Venera-3". K. I. Gringauz, V. V. Bozhenikh, L. S. Muratov. *Kosm. issl.* 5 no. 2 251-258 Mr-Apr '67.
- Origin of solar wind. M. V. Samokhin. *Kosm. issl.* 5 no. 2 305-306 Mr-Apr '67.
- Solar radio emissions during 1956-1963 in the centimeter wave range obtained from observations using the large Pulkovo radio telescope. Report No. 1. V. N. Khisanova. *Izv. GAO* 21 no. 4 151-175 '66.
- Structural characteristics of fluxes of long-wave radiation. I. U. Kaurichov. *Trudy MMTS* no. 11 128-137 '66.
- Theory of Parker's solar wind. Part I. Currents with a polytropic source of heat. M. V. Konjukov. *Geomag. i aer. 7* no. 2 217-225 Mr-Apr '67.
- SOLAR RADIATION—OBSERVATIONS**
Solar radiation and radiation balance data. *Sol. rad. i rad. bal.* Ja '68.
- SOLAR SPECTRUM** see Spectrum, Solar
- SOLAR SYSTEM—MOTION IN SPACE**
Rectilinear, circular and some similar motions in the problem of the translational-rotational motion of the simplest bodies attracted by the earth. V. T. Kondrat. *Bull. Inst. teo. astron.* 10 no. 0 582-599 '66.
- SOLDER AND SOLDERING**
Universal sectional fixtures for welding and soldering operations. I. D. Artem'ev. *Svar. proizv.* no. 4 34-36 Ap '67.
- SOLDIERS**
Perpetual leaders. V. Gromov. *Mol. konim.* no. 1 13-16 '67.
- SOLDIERS—RECREATION**
In a distant garrison. I. Chuguev. *Tekh. i voen. zh.* 24 no. 3 44-45 Mr '67.
- SOLID FILM**
Quantum dimension effects in thin bismuth films. I. F. Ogryn and others. *Radiotekhnika i elektronika* 12 no. 4 740-749 Ap '67.
- SOLID SOLUTIONS** see Solutions, Solid
- SOLIDIFICATION**
Using the "reduced dimension" in calculating the cooling of castings after solidification. B. S. Zaitseman. *Izv. vys. ucheb. zav., mashinostr.* no. 1 192-195 '67.
- SOLIGORSK**
Ivanovich, E. S., and M. Kulakovskii. [Soligorsk; a historical and economic sketch] Soligorsk; istoriko-ekonomicheskii ocherk. [Minsk, "Belarus," 1964] 133 p. (CSt-II)
- SOLIGORSK—DESCRIPTION AND TRAVEL**
A week in Soligorsk. M. Kolpakov. *Mol. konim.* no. 3 61-58 '67.
- SOLIMIZATION**
Vois, P. F. [Practice in using visual algebraic solfeggio lessons. Relative solmization and Soviet music pedagogy] Opyt primeneniia nagladnykh posobil na urokakh sol'fodzhio. Otnositel'naia sol'mizatsiia i sovetskaiia muzykal'naiia pedagogika. Leningrad, Muzyka, 1967. 41 p. (V pomoshch' pedagogu-muzykantu)
- SOLOV'EV, ZINOVII PETROVICH, 1870-1928**
Solenn meeting in memory of Z. P. Solov'ev; on the 90th anniversary of his birth. P. I. Katsyeh, F. V. Paslukov. *Voen.-med. zhur.* no. 3 94-95 Mr '67.
- SOLUBILITY**
Carbon solubility in liquid metals of the sixth period. B. P. Burylov. *Izv. vys. ucheb. zav.; Chern. met.* 10 no. 3 20-22 '67.
- Relationship between solubility isotherms in ternary non-reciprocal systems at different ways of expression of concentration. Part 4: Weight fractions (weight percent) and molar fractions (molar percent). Relation (linear) between concentrations of saturating and unsaturating components at one of the ways of expression of concentrations. V. I. Anosov. *Zhur. ob. khim.* 37 no. 3 530-543 Mr '67.
- Solubility of the binary compound of glucose and sodium chloride in water. N. V. Lebedev, A. A. Bannikova. *Shor. trudy NIIGS* 15 221-237 '66.
- Use of a photocolorimeter for determining the solubility product of thorium hydroxide. P. N. Kovalenko, K. N. Bagdasarov. *Zhur. prikl. khim.* 31 no. 4 789-791 Ap '61.
- SOLUBLE GLASS**
Properties of plugging slag-and slurries treated with water glass. I. S. Pirogov. *Neftegaz prom.* no. 2 17-18 Mr-Apr '67.
- SOLUTION (CHEMISTRY)**
Mechanism of radiolysis of aqueous oxygen solutions. V. N. Shubina, S. A. Kabachik. *Khim. vys. energ.* 1 no. 2 112-117 Mr-Apr '67.
- Some features of the polythene of the surface tension of water and aqueous solutions. A. N. Kuglitsay, I. N. Efremov. *Izv. AN SSSR. Ser. khim.* no. 3 571-577 Mr '67.
- Surface tension of aqueous solutions of salts near the point of transition of solution into the super-saturated state. V. N. Luganov, I. N. L'fanov. *Izv. AN SSSR. Ser. khim.* no. 3 671-672 Mr '67.
- SOLUTION (CHEMISTRY), EFFECT OF RADIATION ON**
Effect of pH on stationary concentrations of radiolysis products of aqueous oxygen solutions. S. A. Kabachik, V. N. Shubina, P. I. Dolin. *Khim. vys. energ.* 1 no. 2 118-123 Mr-Apr '67.
- SOLUTIONS, SOLID**
Consequence of supersaturated solid solutions in the case of diffusion along the grain boundaries or dislocation lines. V. V. Slezov. *Fiz. tver. tela* 9 no. 4 1187-1191 Ap '67.
- Conditions of the formation of unlimited solid solutions in two-component metallic systems. V. M. Vozdvizhenskii. *Zhur. fiz. khim.* 41 no. 4 869-871 Ap '67.
- Contribution to the theory of solid solutions of alkali halides. I. U. G. Vlasov, L. L. Makarov. *Zhur. fiz. khim.* 41 no. 4 806-812 Ap '67.
- Phase relations in the reduction of $\text{NiCr}_2\text{O}_4 - \text{NiFe}_2\text{O}_4$ solid solutions. R. U. Dobi ovinskii and others. *Dokl. AN SSSR* 173 no. 5 1063-1066 Ap '67.
- Solid solutions in the system $\text{Zr} - \text{Nb} - \text{Hf}$. T. F. Fedorov, N. M. Popova, R. V. Skolozdra. *Izv. AN SSSR. Met.* no. 2 204-205 Mr-Apr '67.
- X-ray diffraction study of $\text{InAs} - \text{InP}$ solid solutions. O. V. Bogoyadskii, A. I. A. Nashed'evskii, V. Z. Ostrovskii. *Kristallografiia* 6 no. 1 119-121 Ja-F '61.
- SOLUTIONS, SOLID—ELECTRIC PROPERTIES**
Electrode semiconductor catalysts. Part 4: Semiconductor properties and structure of solid solutions of oxides CuO-NiO , Co-K , Davitan and others. *Elektrokhitmita* 3 no. 4 451-451 Ap '67.
- Preparation of single crystals of tellurium - selenium solid solutions and study of their electric properties. Kh. Davzhanov and others. *Izv. AN SSSR. Neorg. mat.* 3 no. 4 613-616 Ap '67.
- SOLUTIONS, SOLID—MAGNETIC PROPERTIES**
Magnetic properties of Eu^{2+}CaO solid solutions. A. A. Samokhvalov and others. *Fiz. tver. tela* 9 no. 3 706-709 Mr '67.
- Properties of hexagonal ferrite solid solutions with Z- and W-type structures. I. I. Pavlov. *Fiz. tver. tela* 9 no. 3 914-916 Mr '67.
- SOLUTIONS, SOLID—PHOTOELECTRIC PROPERTIES**
Optical and photoelectric properties of HgS-Ge system in the semiconducting transition region. T. F. Kharkhorin, V. M. Petrov. *Fiz. i tekhn. poluprov.* 1 no. 1 143-145 Ja '67.
- Photoelectric properties of the layers of system MnS and $\text{PbSe} - \text{MnSe}$ at low dilutions. B. V. I. A. Taksami. *Fiz. i tekhn. poluprov.* 1 no. 4: Ap '67.
- SOLUTIONS, SOLID—SPECTRA**
Paramagnetic centers of deficiency in the $(1-x)\text{BaSO}_4 \cdot x\text{KMnO}_4$ solid solutions. B. V. D. L. P. Dmitriev, A. K. Polapovich. *Dokl. AN SSSR* 173 no. 6 1361-1363 F '67.
- SOLUTIONS, SOLID—TESTING**
Studying the decomposition of supersaturated solutions by the method of nuclear magnetic resonance. M. F. Lapenkov. *Izv. vys. ucheb. zav.; Chern. n.* no. 3 105-108 '67.
- SOLUTIONS, SOLID—THERMODYNAMICS**
Allowance for the temperature dependence of the parameter in calculating the thermodynamic of a mixture of solid solutions $\text{Me}_2\text{Mg-O}$. Leon'eva and others. *Dokl. AN SSSR* 173 no. 6 Mr '67.
- Thermodynamic properties of $\text{MnO} - \text{FeO}$ solid. T. D. Takenov, V. F. Balakirev, G. I. Chufarov. *AN SSSR* 166 no. 6 1326-1328 D '65.
- SOLUTIONS, SUPERSATURATED**
Interaction between the matrix and submicroscopic regions at initial stages of decomposition of a saturated solid solution. G. V. Kleshchev, A. I. Sh. *Fiz. metal. metalloved.* 23 no. 4 753-754 Ap

. Jettie, Mar. -

SOWING (Continued)

- Planting methods and sowing rates for grass pea in the dry-farming piedmont zone of Almaty Oblast. A. D. Dymankin, Vestnik MVD, no. 134-135, 1967, no. 342-15, 1967.
- Soil moisture conditions and sowing rates. P. A. Popov, Zemledel'ye, no. 130, 1967.
- Sowing rates for spring crops in the central region. V. P. Oshchepkov, S. Kuchinov, N. K. Kuchinov, Zemledel'ye, no. 137-39, 1967.

SOYBEAN see subdivision under Maritime Territory, Tashkent Oblast

SOYBEAN—GENETIC RESEARCH

- Effect of the irradiation of seeds with gamma rays (γ) on the viability of soybeans. H. A. Klov, Vestnik MVD, no. 134-135, 1967.

SOYBEAN—VARIETIES

(see also subdivision under Dagestan, Stavropol Territory)

- Biochemical characterization of the seeds and oil of some soybean varieties. N. V. Vashchuk, Zhurnal prikladnoi khimii, no. 130-11, 1967.

- Different varieties of soybean seeds. I. I. Belikov, M. I. Sizemskaya, Zhurnal prikladnoi khimii, no. 137-39, 1967.

SPACE AND TIME

- On space and time being regarded as mere, the metric approach to the theory of relativity. V. I. Vashchuk, Zhurnal prikladnoi khimii, no. 134-135, 1967.

SPACIAL ARRANGEMENT OF PLANTS see Plants, Space arrangement of

SPACE BIOLOGY

- Chlorophyll on board "Kosmos-10." I. N. Vashchuk, Zhurnal prikladnoi khimii, no. 130-11, 1967.

SPACE FLIGHT

- Optimum utilization of correcting maneuvers when using an engine with limited thrust. A. I. Plotnikov, Kosmos, no. 3, 1967, 15.

- Prakhorov, A. I. [Montes and space] Montes i kosmos, Moskva, 1966, 32 p. (Lektoria i khimii)

- Resonance effects in X-chromosomes of Drosophila and the genetic adaptation during the space flight aboard the spacecraft "Vostok." I. A. I. (Hendrikh) and others, Kosmos, no. 3, 1967, 19.

- Time of communication in time of space. H. Gagarin, Aviakosmos, no. 140-11, 1967.

SPACE FLIGHT—PHYSIOLOGICAL EFFECTS

- Further study of the effect of space flight conditions on the development of the primary course of adaptation in the seed of some higher plants. N. I. Dymankin, V. V. Antipov, Kosmos, no. 3, 1967, 15.

SPACE FLIGHT TO THE MOON

- Synthesis of the trajectory of a close-range flight around the moon with re-entry into the earth's atmosphere. V. A. Il'in, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPACE FLIGHT TRAINING

- Everyday life of cosmonauts. M. Belikov, Izvestiia, 16, no. 134-15, 1967.

- On the approach to a cosmonaut. P. Popovich, Kiv. vol. 10, no. 1, 20-21, 1967.

SPACE MEDICINE

- Sejger, A. A. [Physiological mechanism of the effect of a celestial flight] Fiziolohicheskie mekhanizmy detsel'nykh letaniy. Leningrad, Nauka, 1967, 301 p.

SPACE MEDICINE—CONCURRENCE

- Experiments on cosmonauts and space medicine at the 15th International Congress in Prague. I. M. Kuchinov, Vestnik MVD, no. 134-135, 1967.

SPACE ORIENTATION

- Biological aspects of the study of the mechanisms of spatial orientation in flight. I. I. Belikov, Zhurnal prikladnoi khimii, no. 137-39, 1967.

- Psychological aspects of creating in pilots artificial conditions of spatial position during flights in pilotage simulators. I. A. Belikov, V. G. Kuchinov, Vestnik MVD, no. 134-135, 1967.

- Study of memory in flight in complex perception of the location of food. I. I. Belikov, Zhurnal prikladnoi khimii, no. 137-39, 1967.

SPACE SCIENCES—MOLOGY

- On the biology and medicine of a new cosmic civilization. Vestnik MVD, no. 134-135, 1967.

SPACE SCIENCES—COSMOLOGY

- All-Union Symposium on Physics of the Sun and the Earth. I. A. Zhurav, A. A. Skolnik, Kosmos, no. 3, 1967, 15.

SPACE STATIONS

- First Moon track of automatic station. H. Vashchuk, Aviakosmos, no. 140-23, 1967.

SPACE TRAJECTORIES

- Optimum utilization of aerodynamic forces for the maneuvering of an aircraft. V. G. Kuchinov, Kosmos, no. 3, 1967, 15.

SPACE VEHICLES

- Landing of space vehicles in the U.S.S.R. Aviakosmos, no. 141-25, 1967.

- Optimum utilization of correcting maneuvers when using an engine with limited thrust. A. I. Plotnikov, Kosmos, no. 3, 1967, 15.

SPACE VEHICLES—ATMOSPHERIC ENTRY

- Synthesis of the trajectory of a close-range flight around the moon with re-entry into the earth's atmosphere. V. A. Il'in, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Thermal conditions of a space vehicle at the reentry speed near 15 km/sec. V. A. N. Il'in, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPACE VEHICLES—GUIDANCE SYSTEMS

- Control of a space vehicle with a limited power engine approaching a fixed point. V. A. Kuchinov, Vestnik MVD, no. 134-135, 1967.

SPACE VEHICLES—SCIENTIFIC APPLICATIONS

- Comparison of some results in simultaneous navigation of solar wind with satellite navigation based on radio vehicle "Venera 3" and "Venera 4." I. I. Gagarin and others, Kosmos, no. 3, 1967, 15.
- Observations of the solar wind by means of later planetary station "Venera 4." I. I. Gagarin, V. V. Kuchinov, I. I. Kuchinov, Kosmos, no. 3, 1967, 15.

SPACE, GENERALIZED

- Atmosphere in orbit space. V. I. Gagarin, Zhurnal prikladnoi khimii, no. 130-11, 1967.

- Hydrological conditions and atmospheric conditions in space. A. A. Kuchinov, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Generalized approach for perfect partitioning. V. P. P. Zhurnal prikladnoi khimii, no. 130-11, 1967.

- Impurity of a triangle for random matrix elements. A. N. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Law of covariance of non-chaotic elements in space. A. A. Kuchinov, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPAIN—COMMUNIST PARTY

- The October Revolution and Spain. Zhurnal prikladnoi khimii, no. 130-11, 1967.

SPAIN—HISTORY

- Garcia, José. [Spain of the 20th century] España XX siglo. Moskva, Mya, 1967, 485 p.

SPAIN—MAY DAY (LABOR HOLIDAY)

- May Day winds in Spain. Zhurnal prikladnoi khimii, no. 130-11, 1967.

SPAIN—PHOTOGRAPHY, ARTISTIC

- Atmosphere in orbit space. V. I. Gagarin, Zhurnal prikladnoi khimii, no. 130-11, 1967.

SPAIN—POLITICS AND GOVERNMENT

- Garcia, José. [Spain of the 20th century] España XX siglo. Moskva, Mya, 1967, 485 p.

- Weight of dictatorship. I. I. Gagarin, Zhurnal prikladnoi khimii, no. 130-11, 1967.

SPANISH AMERICA—see Latin America

SPANISH LITERATURE—see subdivision under Oklahoma

SPARTR

- Utilization of the psychophysical method. I. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPARTR

- Utilization of resolution features in the picture of the electron microscope. V. I. Gagarin, Zhurnal prikladnoi khimii, no. 130-11, 1967.

STICKY BEAT see Heat capacity

SPECTROCHEMISTRY

- Spectrochemical determination of small amounts of lithium and sodium. V. I. Gagarin, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPECTROGRAPHY

- Influence of stellar irradiation on the line profile in the non-relativistic region. V. I. Gagarin, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.
- Spectral study of volcanic phenomena in Kamchatka. N. A. Kuchinov, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPECTROMETER

- Photoelectric method of modulation in a vacuum tube and for spectroscopy with the aid of a vacuum tube. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPECTROMETRY

- Determining the flux in fertilizers by the method of differential spectroscopy. V. I. Gagarin, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPECTROPHOTOMETRY

- Application of the principle of digital transformation to the measurement of brightness distribution. M. A. Martynov, Vestnik MVD, no. 134-135, 1967.

- Determination of phenols in oil and kerosene by ultraviolet spectrophotometry. I. I. Gagarin, I. I. Gagarin, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Determination of phenols in oil and kerosene by ultraviolet spectrophotometry. I. I. Gagarin, I. I. Gagarin, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Investigating impurities in phenol products by the method of spectrophotometry in ultraviolet spectrum. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Kinetics of decomposition of 3, 4-dinitrophenol in water under the effect of heat. V. I. Gagarin, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Mechanism of dichloride ion formation in the radiolysis of fluorine in solution of hydrochloric acid. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric determination of molybdenum in steel and alloys by the thiocyanate method using tartaric acid as a reducing agent and ultraviolet light. I. I. Gagarin, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric investigation of Novosibirsk 1967. N. I. Gagarin, M. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric method of determining equilibrium constants in systems of complex compounds. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric study of nickel (II) complexes with some thioamides. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Spectrophotometric study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the kinetics of hydration of a carbonyl compound and its equilibrium with acetone. V. A. Zhurav, V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPECTRUM, INFRARED

- Absorption of infrared radiation by free carriers in n-GaAs. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Analysis of dimethylacetyl compounds. P. I. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Determination of acetone content in the oil from polyethylene by means of infrared spectroscopy. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Infrared spectra of some derivatives of benzothiazole. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Infrared spectroscopy study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

- Study of the interaction of surface-active agents with polymers and films. V. A. Zhurav, Zhurnal vychislitel'noi matematiki, no. 3, 1967, 100.

SPECTRUM, X-RAY

Isotopic shifts of X-ray $K_{\alpha 1}$ - lines in the transition region from spherical to deformed nuclei. O.I. Sumbaryev and others. *IAd.fiz.* 5 no.3 544-551 Mr '67.

Structure of K-series of argon in the atomic capture of negative muons in a pure gas and in a mixture with hydrogen. I.U.G. Badalov and others. *IAd.fiz.* 5 no.3 599-602 Mr '67.

Studying the structure of K-series in the atomic capture of negative muons in chemical compounds. V.G. Zinov and others. *IAd.fiz.* 5 no.3 591-598 Mr '67.

X-ray study of nickel structure distortions caused by stretching at normal and elevated temperatures. M.I. Babicheva, M.D. Teimanova, L.V. Tuzov. *Izv.vys.ucheb.zav.fiz.* 10 no.2 51-58 '67.

SPECTRUM ANALYSIS

Allowing for a partial overlapping of lines in determining the optical thickness of a plasma layer by the linear absorption method. A.V. Rukosheva. *Izv.vys.ucheb.zav.fiz.* 10 no.2 88-91 '67.

Effect of total content of sample on the intensity of the studying elements in spectral analysis of plants and soils. T.F. Borovik-Romanova, I.F. Gribovskaya. *Agrokhimiya* no.5 126-128 My '67.

Experimental verification of the hypothesis on p-n mechanism of spectral sensitization. I.A. Akimov, A.N. Teinlin. *Dokl.AN SSSR* 165 no.6 1332-1335 D '65.

Initial phase of self-inversion of spectral lines. N.S. Terpigova, N.N. Lotyshev. *Izv.vys.ucheb.zav.fiz.* 10 no.2 58-63 '67.

Kustanovich, I.M. [Spectrum analysis] *Spektrolyniy analiz. Izd.2., perer.* Moskva, Vysshaya shkola, 1967. 300 p.

Photoelectric measurement of evaporation rate in spectrum analysis of powder samples. O.A. Kul'skaya, S.O. Kozak, S.P. Oleksenko. *Dop.VN URSS. Ser.B* 29 no.5 436-438 My '67.

Physical bases of the spectroscopy of light-diffusing substances. G.V. Rozenberg. *Usp.fiz.nauk* 91 no.4 559-608 Ap '67.

Spectroscopic study of radiation processes in rubbers at low temperatures. F.F. Sukhov and others. *Khim.vys.energ.* 1 no.1 58-64 Ja '67.

Use of nuclear magnetic resonance in the elementary analysis of a substance. A.M. Sazonov. *Geofiz. app.* no.31 48-57 '67.

SPEECH

Development of children's speech. S.Shakhovskaya. *Doshk.voap.* 40 no.4 70-72 '67.

How to develop speech hearing. S.Ivanova. *Doshk.voap.* 40 no.4 64-69 '67.

SPEED—MEASUREMENT

The IPS equipment for measuring speed changes in the rotation of rolling mill motors. S.D. Ginzberg and others. *Nauch.trudy Dnepr. inst.cher.mcl.* 21:363-367 '65.

SPEEDOMETERS

Electric speedometers. N.Trifoln. *Tekhn. i voeruzh.* 25 no.2 24-26 F '67.

SPERMATIC CORD—TUMORS

Hemangiomas of the spermatic cord and testicle. I.A. Z. Ginzburg. *Urologiya* 25 no.3 52-55 My-Je '60.

SPERMATOZOEA

Classification of the causes of childless marriage. V.P. Kovel. *I.A.E. Atlas. Sov.med.* 27 no.3 115-118 Ag '63.

SPHALERITE

Complete analysis of sphalerite and galenite using ion exchange and complexometry. G.V. Scherbakovich. *Trudy VSEGEI* 125:200-205 '68.

SPIDERS

Case of gynandromorphism in *Agelena lobyrinthica* (Cl.) (Agelenidae). T.S. Mkhidze. *Zool. zhur.* 46 no.2 294-298 F '67.

SPINAL CORD

Change in RNA of motoneurons and biopotentials of ventral radicles following prolonged stimulation of dorsal radicles of the spinal cord in narcotized frogs. I.U.A. Darinskii, A.V. Didenko. *Dokl.AN SSSR* 173 no.4: 971-973 Ap '67.

Potentials of the dorsal surface of spinal cord induced by stimulation of internal organs. O.I. Evtushenko, P.E. Motynyi. *Nauch.dokl.vys.shkoly, biol.nauki* 10 no.3: 40-43 '67.

SPINAL CORD—DISEASES

Lesions of the spinal cord in discopathies of the cervical, thoracic and lumbar portions of the spine. D.N. Shul'man and others. *Sov.med.* 30 no.3 36-43 Mr '67.

SPINAL CORD—RADIOGRAPHY

Contrast radiography of vascular tumor of the spinal cord. I.U.V. Lantman. *Vest. rent. i rad.* 12 no.2 104-105 Mr-Apr '67.

SPINAL CORD—TUMORS

Contrast radiography of vascular tumor of the spinal cord. I.U.V. Lantman. *Vest. rent. i rad.* 12 no.2 104-105 Mr-Apr '67.

SPINAL CORD—WOUNDS AND INJURIES

Emptying the urinary bladder in patients with trauma of the spinal cord. I.P. Sherstov. *Voen.-med. zhur.* no.3 80-81 Mr '67.

SPINAL NERVES see Nerves, Spinal

SPINE—BLOOD SUPPLY

Combined atherosclerotic occlusive lesions in the carotid and vertebral systems. E.V. Shmidt. *Zhur. nevrof. psikh.* 67 no.4 481-488 '67.

SPINEL—THERMAL PROPERTIES

Thermal and physical properties of polycrystalline ferrosinels. I.A. M. Bekker. *Izv.AN SSSR. Neorg. mat.* 3 no.1 196-199 Ja '67.

SPINNING

Economy as the basis of our work. L.I. Biriukova. *Tekst.prom.* 27 no.2 18-20 F '67.

Selecting raw materials for spinning. M.N. Timofeev. *Tekst.prom.* 27 no.2 79-81 F '67.

SPINNING MACHINERY

(see also subdivision under Kinty, Bryansk Province)

Balllessness method of spinning. V.S. Motin, I.V. Kornev. *Tekst.prom.* 27 no.4 91-92 Ap '67.

Condensers of the drawing mechanisms. G.N. Goncharova. *Tekst.prom.* 27 no.2 26-28 F '67.

Grinding and polishing of spinner rings. S.V. Antipin. *Tekst.prom.* 27 no.2 23-26 F '67.

SPINOR ANALYSIS

Factor representations of type I_2 for Clifford's algebra. V.I.A. Golodets. *Dokl.AN SSSR* 173 no.4 745-747 Ap '67.

Solution to a nonlinear spinor equation. G.K. Chepurnykh. *IAd.fiz.* 5 no.3 608-602 Mr '67.

SPRICAL GEARING see Gearing, Spiral

SPIRO COMPOUNDS

Some features of diene-phenol rearrangements of di-tert-butylspirocyclohexenone under the effect of acid agents. I.S. Bolotatskaya and others. *Izv.AN SSSR. Ser. Khim.* no.2 684-687 Mr '67.

SPIITSBERGEN—GEOLOGY, STRATIGRAPHIC

Analogues of Upper Riphean on Spitsbergen Archipelago. N.P. Golovanov, M.D. Raaben. *Dokl.AN SSSR* 173 no.5 141-144 Ap '67.

SPIITSBERGEN—GLACIOLOGICAL RESEARCH

Soviet glaciological research in Spitsbergen in 1966. E.M. Zinger, L.S. Tsoitakli. *Izv.AN SSSR. Ser. geog.* no.2 157-159 Mr-Apr '67.

SPLEEN—BLOOD SUPPLY

Reflex fluctuations of the tonus of splenic vessels. L.E. Pat'gova, I.P. Krichevskaya. *Biul. eksp. biol. i med.* 63 no.5 10-15 My '67.

SPLEEN—DISEASES

Hepato-linear syndrome in helminthiasts. M.G. Fatullayev. *Azerb. med. zhur.* 44 no.4 27-33 Ap '67.

SPLENOPOCTOGRAPHY

Mazaev, P.N., V.P. Shishkin, and I.M. Pylytsov. [Atlas of X-ray diagnosis of diseases of vessels of the portal system] *Atlas rentgenologicheskikh zabolevaniy sosudov portalnogo sistema.* Moskva, Meditsina, 1968. 136 p. (DNLM)

SPONTANEOUS COMBUSTION see Combustion, Spontaneous

SPORADIC E (IONOSPHERE)

Dependence of f_oE_s on the absorption value. T.S. Kerblat. *Geomag. i aer.* 7 no.2 348-351 Mr-Apr '67.

SPOREFORMING BACTERIA see Bacteria, Spore-forming

SPORES (BOTANY)

Electron microscopic study of spore surface in *Pinus silvestris* L. by metal-carbon replica method. T.G. Surova. *Nauch.dokl.vys.shkoly; biol.nauki* 10 no.3: 132-135 '67.

Microsporogenesis and development of pollen grain in 56- and 42-chromosome *Trifolium-Agrocyron* hybrids. T.P. Glavatskaya. *Zap.Sverd. otd. VBO* no.4 140-154 '66.

SPORTS

(see also subdivision under Ivanovo Province)

European record remains unconfirmed. I.U. Emelianov, G. Zhirona, B. Gibner. *Voen.znan.* 43 no.346 Mr '67.

The source of cheerfulness. A. Dlugach. *Solz. zakon.* no.3 74-75 Mr '67.

Sports news. *Vest.vys.shkoly* 25 no.3 80-81 Mr '67.

SPORTS—COMPETITION

Sixth item. G. Sventitskaya. *Voen.znan.* 43 no.2 44 F '67.

SPORTS MEDICINE

Rozenblat, V.V. [Radiotelemetric studies in sports medicine] *Radiotekhnicheskoe issledovanie v sportivnoy meditsine.* Moskva, Meditsina, 1967. 207 p.

SPRATS

Economic analysis of the mechanization of "sprats in butter" production. E.I. Platonova. *Ryb.khoz.* 43 no.3 76-77 '67.

SPRAY PAINTING

Continuous flow mechanized line for painting and assembling push-button KUV-type control panels. A. Margule. *Trudy MNIPTMASH* no.4 132-137 '67.

SPRAY PAINTING, ELECTROSTATIC

Spraying of paint materials diluted with water in an electric field. A.L. Shelekina, M.I. Stepanova. *Lako.kras.mat. i khim. prom.* no.2 47-49 '67.

Study of the dispersion of particles during electrostatic spraying of paint materials. V.A. Gubenskiy, S.I. Popov. *Lakokras.mat. i khim. prom.* no.2 26-30 '67.

Study of the possibility of applying electrochromic coatings in an electric high-tension field. A.V. Mashlykina, M.K. Dubinin. *Lakokras.mat. i khim. prom.* no.2: 37-38 '67.

SPRAYING AND DUSTING EQUIPMENT

Aerosol generator on self-propelled chassis. V.V. Makarevich, I.I. Pasiuk. *Zashch. rast.* 12 no.4 37-39 '67.

From practices of using spray booms. T.E. Syman. *Zashch. rast.* 12 no.4 36 '67.

SPRAYING AND DUSTING IN AGRICULTURE

(see also subdivision under Kazakhstan)

Gas sprayers. I.N. Voletskiy. *Zashch. rast.* 12 no.4 33-36 '67.

Introduction as the most important factor. P.Z. Rizinov. *Zashch. rast.* 12 no.4 14-15 '67.

Preparation of solutions for aerosol spraying. V.F. Prokhorov. *Zashch. rast.* 12 no.4 41 '67.

Station for the preparation of working solutions. L.N. Rybalov. *Zashch. rast.* 12 no.4 37 '67.

SPRAYING AND DUSTING RESIDUES IN AGRICULTURE

[Poisonous chemicals and fauna] *Iadokhimiya i fauna.* Moskva, Nauka, 1967. 78 p. (DNAL)

Polarographic determination of the residual quantity of hexachlorobutadiene in soil. I.U.S. Lialik. A.S. Sotona. *Fil. i meny. bor. s nel.* no.2 39-41 '66.

SPRING see subdivision under Caucasus, Northern

SPRINGS

Red coal. V. Nurshanov. *Neftianik* 10 no.2 18-20 F '65.

SPRINGS (MECHANISM)

Heat treatment of spring alloys for use at high temperatures. A.G. Bakstadi, V.A. Solts, V.F. Moiseev. *Stal'* 20 no.5 168-172 My '60.

Khvingin, M.V., and D.B. Mgaloblishvili. [Dynamic stability of cylindrical springs] *Dinamicheskaya ustoychivost' tsilindricheskikh pruzhin.* Tbilisi, Gruzinskii polit. tekhn. in-t im. V.I. Lenin, 1966. 218 p.

Large shifts caused by pure bending of a helical spring. *Izv. vys.ucheb. zav., mashinost.* no.1 49-51 '67.

Overall mechanization of the manufacture of springs. S.V. Mitovidov. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 20 no.4 13 Ap '67.

SPRINGS (MECHANISM)—TESTING

Strength tests of stranded wire springs. V.A. Zuev, V.A. Karpunin. *Izv. vys.ucheb. zav., mashinost.* no.2 34-36 '67.

SPRINKLERS

Pulsed sprinkler with self-discharging differential valve. G.V. Lebedev, V.G. Briukvin. *Fiziol. i aer.* 14 no.2 372-374 Mr-Apr '67.

SPRUCE see subdivision under Tsilim Valley

SPRUCE—DISEASES AND PESTS

Use of systemic preparations for controlling the spruce leaf roller *Laspeyresia piceana*. V.S. Balchishvili. *Ryb.khoz.* 5 no.4 21-22 Ap '67.

SQUIRRELS see subdivision under Ryazan Province

SRETENSKII, LEONID NIKOLAEVICH, 1902—BIOBIBLIOGRAPHY

Sekerzh-Zen'kovich, I.A., I. Leonid Nikolaevich Sretenckii. *Bibliografiya sostavlena A.P. Epifanov.* Moskva, Nauka, 1967. 48 p. (Materialy k biobibliografii uchenykh SSSR. Seriya tekhnicheskikh nauk, Mekhanika, no.2)

- STABILITY OF AUTOMOBILES**
Effect of the time lag of lateral reaction of a line on the stability and steerability of a motor vehicle. V. G. Mikhailov. *Izv. vys. ucheb. zav., mashinost.* no. 1 97-104 '67.
- STABILITY OF MOTION, THEORY OF**
Inversion of the theorem on asymptotic stability of stochastic systems. I. A. Kats. *Mat. zap. Ural. mat. ob-va* UGU 5 no. 2 43-51 '65.
- Key criterion of the stability of solutions of a nonlinear differential equation** A. I. Ogurtsov. *Mat. zap. Ural. mat. ob-va* UGU 5 no. 2 86-89 '65.
- Relation between the blurring of equilibria of conservative systems and the stability distribution on an equilibrium curve** A. I. Vorzinskiy. *Prikl. mat. i mekh.* J1 no. 2 384-392 Mh-Apr '67.
- Stability of motion of nonholonomic systems.** V. V. Rumyantsev. *Prikl. mat. i mekh.* J1 no. 2 260-271 Mh-Apr '67.
- Stability of movements of mine hoisting equipment in a flexible reinforcement of the shaft** D. A. Moiseyenko. *Izv. vys. ucheb. zav., gos. zhur.* 10 no. 2 102-110 '67.
- Stability of periodic motions of quasi-linear autonomous systems with delayed argument** K. M. Tsou. *Mat. zap. Ural. mat. ob-va* UGU 5 no. 2 90-98 '65.
- STAGE LIGHTING**
Lighting in television. V. Pozdnyakov. *Sov. radio i tel.* 9 no. 1 39 '66.
- STALINABAD** see Dushanbe
- STALINGRAD** see Volgograd
- STALINGRAD PROVINCE** see Volgograd Province
- STALINO** see Donetsk
- STALINO PROVINCE** see Donetsk Province
- STALINSK** see Novokuznetsk
- STAMMERING**
Differential diagnosis of various forms of stammering. M. I. Merits. G. L. Semenets. *Sov. med.* 30 no. 3 130-133 Mh '67.
- STANDARDIZATION—SOCIETIES, ETC.** see subdivision under United States
- STANDARDIZATION—STUDY AND TEACHING**
Discussing the previously printed article "Standardization and cadres", a review of comments. *Vost. v. shkoly* 25 no. 3 38-41 Mh '67.
- STANDARDS, ENGINEERING**
New standards. *Stroitel. dor. mash.* 12 no. 3 38 Mh '67.
- STANISLAV PROVINCE** see Ivanovo-Finnkovsk Province
- STANISLAVSKII, LAZAR' IANKELEVICH, 1906-**
L. I. Stanislavskii, on his 60th birthday. *Energ. i elek.* no. 2 55 Mh-Apr '67.
- STANNITE—ANALYSIS**
Complete analysis of oxidation products of stannite. L. I. Chumko. I. U. N. Knipovche. *Trudy VSEGI* 125: 145-156 '66.
- STAPHYLOCOCCAL DISEASE**
(see also subdivision under Bacteria)
- Changes in the binding of kanamycin by the cells of Staphylococcus aureus following a transient presence in the focus of suppurative inflammation** V. N. Solov'ev. I. U. G. Lisevich. N. V. Chumachenko. *Antibiotiki* 12 no. 4 298-300 Ap '67.
- Group morbidity of alimentary toxoinfection of staphylococcal etiology.** G. G. Gashimov. *Azerb. med. zhur.* 44 no. 4 80-81 Ap '67.
- Staphylococcal infection in surgery: diagnosis and treatment** V. M. Svetovidova. *Khirurgia* 13 no. 1 24-29 Ap '67.
- STAPHYLOCOCCUS**
Carrier state of pathogenic staphylococcus in the personnel of surgical wards and its detection in the pathological material from the patients. A. I. Veselov. *Khirurgia* 43 no. 4 20-23 Ap '67.
- STAPHYLOCOCCUS—CULTURES AND CULTURE MEDIA**
Nuclease activity of Staphylococcus and its relation to plasma coagulation and lysozyme properties. A. T. Stobopskaya. N. I. U. Prochazhenskaya. *Mikrobiol. zhur.* 29 no. 2 117-120 Mh-Apr '67.
- STARAYA KUPAVNA (MOSCOW PROVINCE)—WOOL INDUSTRY—MANAGEMENT**
The new concerns of the trade union factory committee. S. Zhivorakin. *Sov. profsoyuzy* 23 no. 4 16-17 F '67.
- STARCH**
Effect of calcium and magnesium cations on the viscosity of the paste of potato starch. A. F. Bologurova, B. A. Voksalov, A. D. Lukhanov. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 2 30-32 '67.
- Study of starchy raw materials in hot-water processing by a differential-thermal method.** A. L. Mal'chenko, M. G. Stolar. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 2 70-75 '67.
- STARCH INDUSTRY**
Higher schools and the progress of science and technology in the starch and molasses industry. S. Z. Ivanov, N. N. Tregubov. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 2 9-14 '67.
- STARCH INDUSTRY—BY-PRODUCTS**
Cultivating the yeast *Candida tropicalis* on the waste materials of the potato starch industry using two different hydrodynamic aeration systems. L. V. Stakhov, R. T. Vildflus, S. I. Pozniak. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 2 86-89 '67.
- STARS**
New data on mysterious stars of Taurus type. I. G. Kolesnik, D. A. Frank-Kamenetskii. *Priroda* no. 3 115-116 Mh '67.
- STARS—CATALOGS**
Comparison of catalogs of declinations of $Pu50^F$ and $Pu50^Z$ with the fundamental systems. G. S. Kosin. *Izv. GAO* 24 no. 3 13-15 '66.
- System of right ascensions of the equatorial stars of the new Pulkovo absolute catalog.** A. I. Piliagina. *Izv. GAO* 24 no. 3 3-12 '66.
- STARS—CLUSTERS**
Investigation of four open star clusters on the basis of recent photometric data. V. V. Lavdovskii. *Izv. GAO* 24 no. 3 60-94 '66.
- STARS—DENSITY**
Phase density of white dwarfs on the color-luminosity diagram. A. M. Tegenerson. *Astrofizika* 3 no. 1 103-110 F '67.
- STARS—DISTRIBUTION**
Mechanism underlying the relaxation of stellar systems without the individual encounters of stars. L. S. Mitrochuk. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 18 3-8 '66.
- STARS—MAGNITUDES**
Determination of the photographic magnitudes of stars and galaxies in the selected areas of the sky of the Pulkovo plan of KSZ. L. S. Koroleva. *Izv. GAO* 24 no. 3 110-114 '66.
- STARS—OBSERVATIONS**
Astroclimatic expedition in the region of the Issyk-Kul, high-mountain lake. G. A. Piliagina, V. N. Ptolov. *Izv. GAO* 21 no. 1 147-153 '66.
- Polarimetric observations of μ Cep.** A. A. Grigor'yan. *Soob. Buri. obs.* no. 37 18-22 '66.
- Polarization of the light of cold supergiant stars.** R. A. Vardanian. *Soob. Buri. obs.* no. 37 4-47 '66.
- Possibility of statistical determination of nonuniformity of telescopic images of stars.** N. F. Kuptevich, A. Kh. Kurmacheva. *Izv. GAO* 24 no. 4 136-142 '66.
- Program for observations made with a prismatic astrolabe.** N. P. Godilov. *Izv. GAO* 24 no. 3 31-34 '66.
- STARS—ORBITS**
Orbital elements of V 809 Cyg. G. S. Mihalov. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 47 7-9 '66.
- STARS—PHOTOGRAPHIC MEASUREMENTS**
Study of the KIM-3 coordinate measuring machine. A. G. Krylov. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 48 35-37 '66.
- STARS—PROPER MOTION**
Determination of the proper motion of NLac 1010 and the surrounding stars. V. A. Sokolova. *Izv. GAO* 24 no. 3 133-152 '66.
- STARS—SCINTILLATION**
Influence of stellar scintillation on the line profiles in the nonslit spectrograph. E. V. Moiseyeva. *Izv. GAO* 21 no. 4 143-146 '66.
- STARS—SPECTRA**
Spectrophotometry of the hydrogen and continuous spectrum of the star β Cen. T. N. Kuznetsova. *Izv. GAO* 21 no. 1 102-115 '66.
- Standard stars.** A. V. Khartanov. *Priroda* no. 3 64-67 Mh '67.
- STARS, DOUBLE—RADIATION**
Monochromatic reflection effect in close binary stars. I. B. Pustyn'nik. *Astrofizika* 3 no. 1 60-83 F '67.
- STARS, NEW**
Spectrophotometric investigation of Nova Herculis 1963. N. I. Ivanova, M. A. Kazanjan, R. Kh. Oganestian. *Soob. Buri. obs.* no. 37 3-17 '66.
- STARS, VARIABLE**
Maximum moments of Mira stars. G. E. Erleikova. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 47 35 '66.
- Photometric and colorimetric characteristics of eruptive stars.** R. E. Gershteyn. *Astrofizika* 3 no. 1 127-132 F '67.
- Polarimetric observations of the eclipsing systems RY and RZ Scuti and estimations of the mass of their gaseous shells.** N. M. Shakhovskoi. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 41 42 60-80 '66.
- Seventeen little-known variable stars.** V. Satyvaldiev. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 47 17-34 '66.
- Unusual variable stars.** I. N. Efremov. *Zeml. i vol.* no. 2 53-58 Mh-Apr '67.
- Verifying the elements of changes in the brightness of eight little-known variable stars.** G. E. Erleikova. *Blut. Inst. astrofiz. AN Tadzh. SSR* no. 41 42 59-64 '66.
- STARS, VARIABLE—SPECTRA**
Spectrophotometry of the linear spectrum of some stars of the β Cen type. V. S. Popov. *Izv. GAO* 24 no. 1 116-121 '66.
- STASHKOV, NIKOLAI IVANOVICH, 1907-1943**
M. I. Stashkov; on the 60th anniversary of his birth. P. M. Rashev. *Ukr. ist. zhur.* 11 no. 4 115-117 Ap '67.
- STATE FARMS** see subdivision under Kairat (Kazakhstan), Kazakhstan
- STATE FARMS—LAWS AND LEGISLATION**
Rozanov, S. N., and A. V. Shatkovskii. [Work pertaining to housing and services in the village, a handbook for the trade-union activist] Zhilishchno-bytovaia rabota na sele, spravochnik profkholov. [Moskva] Profizdat, 1964, 150 p. (CSI-II)
- STATE FARMS—MANAGEMENT** see subdivision under Voronezh Province
- STATE FARMS—OFFICIALS AND EMPLOYEES**
Galina Ivanovna, chairman. I. U. Falatov. *Sov. profsoyuzy* 23 no. 1 21-23 F '67.
- STATES, NEW—AGRICULTURE, COOPERATIVE**
Role of the state and law in ensuring the noncapitalist development of agriculture. I. U. G. Spichak. *Sov. gos. prav.* no. 5 120-113 Mh '67.
- STATES, NEW—ECONOMIC CONDITIONS**
Economic aspects of the liberation revolutions at the present stage. V. V. Rymalov. *Mezhdunar. zhurn.* 14 no. 5 77-81 '67.
- How the building of communism in the U.S.S.R. has influenced the social progress of recently liberated countries.** B. I. Raspolov. *Vysnyk L'viv. un. Ser. susp. nauk* no. 2 164-173 '66.
- STATES, NEW—FOREIGN RELATIONS**
Foreign relations of the developing countries. O. I. Tuganova. *Mezhdunar. zhurn.* 11 no. 5 81-84 '67.
- STATES, NEW—INVESTMENTS, FOREIGN**
The developing countries and foreign capital. R. N. Andeev. *Mezhdunar. zhurn.* 11 no. 5 89-92 '67.
- STATES, NEW—STATISTICS, VITAL**
The population growth in the developing countries and its effect on the economy of the "third world." B. I. Raspolov. *Mezhdunar. zhurn.* 14 no. 5 87-89 '67.
- STATESMEN, CAMBODIAN**
People and events. Zokir Hussain, Son Sann. *Nov. vrem.* 25 no. 20 6, 18 Mh '67.
- STATESMEN, DUTCH**
People and events. Petrus de Jong; Ali Abdullah al-Salial; Harrison Emmanuel Tucker, Fadala Ketta. *Nov. vrem.* 25 no. 19 20, 29 Mh '67.
- STATESMEN, JAMAICAN**
People and events. Hugh Shearer. *Nov. vrem.* 25 no. 23 31 Je '67.
- STATESMEN, WEST GERMAN**
Praising words to Baron Guttenberg. L. Bezmenovskii. *Kommunist* 44 no. 8 116-126 Mh '67.
- STATISTICAL ASTRONOMY**
Observational selection and statistics of the visual double systems. Part 2: Statistics. B. I. Pechenko. *Astrofizika* 3 no. 1 111-126 F '67.
- STATISTICAL DECISION**
Using the theory of statistical hypotheses of Neumann-Pearson-Wald in some problems of theory of structures. V. M. Goncharenko. *Prikl. mekh.* 3 no. 4 111-116 Ap '67.
- STATISTICAL MECHANICS**
Possibility of setting up the statistical mechanics of turbulent flows. V. I. Tokarev. *Dop. AN URSR* no. 10, 1200-1294 '65.
- STATISTICS**
Ovsionko, V. E., and E. G. Vitalina. [Problems of statistical theory in V. I. Lenin's works] Voprosy statisticheskoi nauki v trudakh V. I. Lenina. Moskva, Statistika, 1967, 205 p.
- STAVROPOL TERRITORY—AGRICULTURE**
Organizers of the leaders in rural areas. L. Efremov. *Priroda* no. 7 36-42 Ap '67.
- STAVROPOL TERRITORY—ANTIQUITIES**
A recently found kettie of the Cimmerian period. T. M. Mynaleva. *Arkheologiya* 20 171-173 '66.
- STAVROPOL TERRITORY—FARM MECHANIZATION—STUDY AND TEACHING**
Institution of work habits in rural schools. M. T. Ivanov. *Shkola i prol. v.* 11 no. 1 9-13 Ja '67.

STAVROPOL TERRITORY—FLOUR MILLS

Struggle for the quality of flour at the enterprises of Stavropol Territory. L. I. Litchevskii, A. Kutikov. *Muk. elev. prom.* 33 no. 10-11 Apr '67

STAVROPOL TERRITORY—OIL WELL DRILLING

Efficient diameter of wells in Stavropol Territory. V. P. Banatov and others. *Nef. khoz.* 43 no. 10-13 Apr '65

STAVROPOL TERRITORY—RADIOBROADCASTING

In the main direction. I. Lul'ianov. *Sov. radio i tel.* 9 no. 3-5 Apr '60

STAVROPOL TERRITORY—SOYBEAN—VARIETIES

New regionally adapted soybean variety VNISK 1. I. U. P. Mikushko. *Sbor. rab. po masl. i leformas. kul't.* no. 1:31-35 Apr '66

STAVROPOL TERRITORY—STOCK AND STOCKBREEDING

Following the example of Sverdlovsk farmers. A. I. Levan-dovskii. *Sov. profsoyuz* 23 no. 7-8 Apr '67

STAVROPOL TERRITORY—TRADE UNIONS

"A violation of the trade-union democracy." Part. zhizn' no. 7.73 Apr '67

STAVROPOL TERRITORY—WHEAT—FERTILIZERS AND MANURES

Effect of mineral fertilizers on winter wheat under irrigation. I. V. Mosolov, V. F. Smukhov. *Khim. v sel' khoz.* 5 no. 4-5 Apr '67

STEAM BOILERS—see Boilers

STEAM POWER PLANTS

Decrease of chemically purified water for replenishment of condensate losses in the cycle of a steam-power system. A. G. Lifshits, A. A. Lifshits. *Energetik* 15 no. 4-11-12 Apr '67

STEAM TURBINES

Elimination of high-frequency vibration and repair of the deformation of the yokes of TS.V.D. diagrams of PT-60-130/13 turbines. I. U. N. Boedin. *Energetik* 15 no. 3-14 Apr '67

Experimental study of dynamic stresses in the blades of a turbine stage with partial steam inlet. G. S. Samoilovich, V. I. Kovalenko, I. Ruben. *Izv. vuz. ucheb. zav., energ.* 10 no. 1-5-63 Apr '67

In the technical council of the Ministry of Power Engineering and Electrification of the U.S.S.R. Temporary regulations on the operation of power generating blocks. *Energetik* 15 no. 1:34-36 Apr '67

Increasing the efficiency of the AT-25 turbine. *Energ. i elek.* no. 2-54 Apr '67

Mathematical model of a 200 Mw. block. M. A. Duell. *Energ. i elek.* no. 2-28-31 Apr '67

Redesigning of the wheel of the hydraulic lock of the R-25-70/13 turbine. N. I. Murakh. *Energetik* 15 no. 4-18 Apr '67

Start of LAIZ turbines using cooled steam. V. A. Mokin. *Energetik* 15 no. 3:22-21 Apr '67

STEAM TURBINES—CLEANING

Flushing of the blades of back-pressure turbines by steam from turned-off boilers. A. I. Dolgov, G. S. Gishin. *Energetik* 15 no. 4:14-15 Apr '67

STEAM TURBINES—LUBRICATION

Automatic oil temperature regulator. N. R. Polevko. *Energetik* 15 no. 1:15-18 Apr '67

STEAM TURBINES—SAFETY APPLIANCES

Redesigning of the KPr-700/1000 safety valve of the T-100-130 turbine. V. I. Beliaev. *Energetik* 15 no. 3:21-22 Apr '67

STEAMPIPES

Check of the hardness of pins on the slide gates of a main steam pipe. *Energ. i elek.* no. 2:53 Apr '67

Device for removing chamfering and facing of pipes. N. N. Stepanov. *Energetik* 15 no. 3:12-14 Apr '67

Experimental study of steam content in nonequilibrium steam-water currents. E. I. Novitskaya, G. M. Dvorina. *Izv. AN SSSR, Energ. i transp.* no. 2:110-145 Apr '67

Grip. replacing the cutoff mechanism in pipelines carrying weak solutions of sulfuric acid. Sh. Sh. Gotschikovskii. *Energetik* 15 no. 3:14 Apr '67

Repair of fissures in cast parts from carbon steel. I. M. Gofman and others. *Energetik* 15 no. 1:27-28 Apr '67

Testing of high-pressure equipment for erosion wear. P. V. Vlasov. *Energ. i elek.* no. 1:46-47 Apr '67

STEAMPIPES—CORROSION

Corrosion protection of condensate pipes and heat-exchange equipment. A. Zakharian, S. Terlen. *Prom. Arm.* 10 no. 2:42-44 Apr '67

STEAMPIPES—TESTING

Investigating residual stresses in welded steam piping. G. Artemian. *Prom. Arm.* 10 no. 2:30-31 Apr '67

STEARIC ACID

Macrocyclic compounds. Part 8: Synthesis of octadecyl (stearic) and hexadecyl (palmitic) acids. A. A. Kravskii and others. *Zhur. org. khim.* 3 no. 1:41-44 Apr '67

STEEL—ANALYSIS

Arsenic-containing low-alloy steel. E. S. Volokhivskaya, N. P. Shepavov. *Trudy TSNII MPS* no. 323:34-50 Apr '66

STEEL—BRITTLENESS

Effect of additions of rare earth elements on cold brittleness and tendency of acid converter steel toward temper brittleness. V. S. Orguan, I. V. Yucheb. *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 4:124-127 Apr '67

STEEL—COLD WORKING

Cold-working increases reliability. B. Avchinnikov, F. Suravskii, N. Mosenkov. *Tekhn. i voozuzh.* 25 no. 3:15-19 Apr '67

STEEL—CORROSION

Corrosive properties of solubilized solution of sulfonal. V. E. Gubin, A. A. Emirov. *Transp. i khim. nef. i nef. prod.* no. 3:5-7 Apr '67

Corrosion resistance of steel in the production of sodium pyrosulfite. E. S. Leshchik, N. V. Babkova, E. I. A. Zereva. *Khim. prom.* 43 no. 4:69-70 Apr '67

STEEL—ELECTRIC PROPERTIES

K-state and the precipitation process in 133XN1 steel. I. U. A. Avazov, M. V. Bol'shanina, V. F. Sukhovorov. *Izv. vuz. ucheb. zav., (izv.)* 10 no. 2:106-115 Apr '67

STEEL—ELECTROMETALLURGY

Comparative analysis of technical and economic indices of steel production in vacuum, arc, and electric slag furnaces. V. A. Romanets, I. N. Ivanov, L. V. Fikhtert. *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 3:181-187 Apr '67

Nitrogen behavior in the process of charge melting in an electric arc furnace during the smelting of low-carbon steel. A. I. Khodolov, V. A. Alimov, V. N. Shimonova. *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 1:50-54 Apr '67

STEEL—ETCHING

Interrelation between the potential of scale-corroded steel and weight decrease of sample in sulfuric acid etching. Part I: Secondary surface phenomena. A. S. Afanas'ev, G. M. Khvedchenko. *Uki. khim. zh.* 33 no. 2:215-220 Apr '67

STEEL—FERROELECTRIC PROPERTIES

Emitter of the magnetic field of a part in a ferromagnetic unit. V. A. Bedretskov, A. K. Denil', V. B. Zorin, Mekh. i avtom. iuzh. 21 no. 4:21-22 Apr '67

STEEL—FRACTURE

Certain characteristics of hardened steel failure. V. D. Katikhin, P. O. Pashkov. *Fiz. met. i metalloved.* 23 no. 4:711-713 Apr '67

STEEL—HARDENING

Effect of deformations and annealings on the cavitation resistance of certain metals and alloys. V. V. Gavrilov, V. S. Omel'chenko. *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 3:112-114 Apr '67

Effect of rare earth metals on the hardenability of steel. A. S. Zaytsev, M. M. Sandomirskii. *Izv. AN SSSR, Met.* no. 2:117-150 Apr '67

Hardenability of steel by electromechanical treatment. B. M. Ashknaiz. *Stal'* 27 no. 3:263-265 Apr '67

Improving the quality of rails by volume hardening. S. V. Gubert, D. M. Bablinovich. *Stal'* 28 no. 5:434-439 May '60

Industrial production of rolled section with thermomechanical treatment of 40-type steel. V. V. Andreeva and others. *Stal'* 27 no. 3:255-258 Apr '67

Influence of microalloying with rare earth metal on the stability of thermomechanical hardening of steel. D. A. Prokoshin, A. G. Iakhshtadt, A. V. Supov. *Stal'* 27 no. 3:259-263 Apr '67

STEEL—HEAT TREATMENT

Heat treatment of high-strength welded joints in drill pipes. B. P. Kolosnik and others. *Sov. prozv.* no. 1:22-28 Apr '67

Interdependence between steel susceptibility to flake formation, hydrogen content, and conditions of heat treatment. P. S. Tsvetkov, G. P. Vypov. *Fiz. met. i metalloved.* 23 no. 4:760-763 Apr '67

Kinetics of the martensitic transformation of hot-deformed austenite. I. A. Georgieva and others. *Dokl. AN SSSR* 173 no. 5:1055-1058 Apr '67

STEEL—HYDROGEN CONTENT

Determination of the rate of hydrogen diffusion through 1518H17 steel at high temperatures and pressures. I. U. I. Archakov, I. D. Grebenikova, V. P. Teodorovich. *Zhur. prikl. khim.* 34 no. 4:821-825 Apr '61

Interdependence between steel susceptibility to flake formation, hydrogen content, and conditions of heat treatment. P. S. Tsvetkov, G. P. Vypov. *Fiz. met. i metalloved.* 23 no. 4:760-763 Apr '67

Steel saturation by hydrogen at high temperatures and high pressures. I. U. I. Archakov. *Izv. vuz. ucheb. zav.; Chern. met.* 10 no. 3:122-126 Apr '67

STEEL—METALLOGRAPHY

Causes of the effect of a pulsed magnetic field on martensitic transformations in steel and alloys. P. A. Melnikov and others. *Fiz. met. i metalloved.* 23 no. 3:535-542 Apr '67

Certain investigation methods on the grain problem. O. Gordin. *Trudy MNIPTMASH* no. 263-52 Apr '63

Intensifying the conditions of heat treatment of low-carbon sheet steel. D. S. Kazarnovskii and others. *Stal'* 27 no. 3:265-267 Apr '67

Kinetics of decomposition of austenite in cast graphitic steel at temperatures below 600°. I. V. Greshin and others. *Dokl. AN URSR, Ser. A* 29 no. 1:72-76 Apr '67

Kinetics of secondary recrystallization in transformer steel. V. V. Gubelatorov and others. *Fiz. met. i metalloved.* 23 no. 3:543-547 Apr '67

Mechanism of the influence of heterogeneity of stress properties of welded joints in austenitic steel on the tendency toward local fracture. P. Z. Shon, *Sov. prozv.* no. 4:6-8 Apr '67

Motive forces of secondary recrystallization. I. U. S. Avramov, A. G. Gvozdev, B. G. Livshits. *Fiz. met. i metalloved.* 23 no. 1:696-702 Apr '67

Secondary recrystallization nucleus formation in electrical steel. S. S. Gorelik, V. A. Gol'dskii. *Fiz. met. i metalloved.* 23 no. 4:703-710 Apr '67

Stabilization of austenite. G. I. Odif, *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 3:133-134 Apr '67

State of the surface layer of hardened steel ShKh15 subjected to turning. N. P. Panchenko. *Stan. i inst.* 39 no. 3:29-30 Apr '67

STEEL—METALLURGY

Alloying of steel in ladle using tungsten briquets. M. A. Chirkov. *Stal'* 27 no. 3:219-220 Apr '67

Gas removal from a steel stream with vacuum. I. S. Kallinikov. *Stal'* 28 no. 5:120-121 May '60

Mechanism of steel inoculation by zirconium. V. S. Kovalenko, P. I. Zats, L. F. Filina. *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 1:93-99 Apr '67

Practical application of the Kaldor process. I. S. Roginskii. *Stal'* 28 no. 5:121-125 May '60

Slag formation during steel smelting from cast-iron pig-iron in 100-m converters. A. P. Potusaev and others. *Stal'* 27 no. 3:216-218 Apr '67

Smelting of ferrocalcium and its use for deoxidizing of steel. P. V. Topil'skii and others. *Stal'* 27 no. 3:235-239 Apr '67

Some problems in the theory of the dephosphorization process. *Stal'* 28 no. 5:106-116 May '60

STEEL—PLASTIC PROPERTIES

Ductility of steel at high temperatures. A. P. Cherkov, A. P. Kachalov. *Nauch. trudy Dnepr. inst. Chern. met.* 21:306-308 Apr '65

STEEL—PRICES

Main trends in revising wholesale prices of ferrous metals. N. F. Skolkin, V. I. Chuplanov. *Stal'* 27 no. 3:269-272 Apr '67

STEEL—TESTING

Effect of some factors of thermoplastic action of welds on the resistance of steel to fracture at low temperatures. M. N. Shushina, V. A. Vukobratov. *Izv. vuz. ucheb. zav., mashinost.* no. 1:183-189 Apr '67

Measuring engineering properties and deformability of 12KhN2A, 18Kh2T and 20Kh steels. P. B. Mekhov. *Sbor. nauch. rab. Belorus. tekhn. inst. Ser. inzh. i tekhn.* no. 1:38-46 Apr '60

Strengthening of steel caused by cumulative explosion. L. I. Mirkin, N. P. Novikov. *PMET* no. 6:125-129 N-D '66

Studying low-alloy oxygen-blown Bessemer steel. E. S. Volokhivskaya, D. I. Skvortsova, N. P. Shepavov. *Trudy TSNII MPS* no. 323:5-21 Apr '66

Weldability of brand 08G2 arsenic-containing steel. V. I. Kraichik, V. L. Kotelnikov. *Trudy TSNII MPS* no. 323:51-60 Apr '66

STEEL—TRANSPORTATION

The financial plan and reality. G. Kogan, I. Shurupov. *Mat. i tekhn. snab.* 2 no. 4:89-87 Apr '67

STEEL—TUNGSTEN ALLOYS

Alloying 38KhG2SV steel with tungsten without the use of the furnace. V. K. Laptov. *Za tekhn. prog.* 7 no. 1:28 Apr '67

STEEL—WELDING

Weldability of brand 08G2 arsenic-containing steel. V. I. Kraichik, V. L. Kotelnikov. *Trudy TSNII MPS* no. 323:51-60 Apr '66

Weldability of brands 10G2S and 08G2T of oxygen-blown Bessemer steels. V. L. Kotelnikov, M. M. Kraichik. *Trudy TSNII MPS* no. 323:22-33 Apr '66

Using natural gas for welding carbon steels. P. V. Kobalev. *Sov. prozv.* no. 4:33-31 Apr '67

STEEL, EFFECT OF TEMPERATURE ON

Effect of preliminary annealing on the start of secondary recrystallization in transformer steel. V. P. Lebedev and others. *Izv. vuz. ucheb. zav., Chern. met.* 10 no. 3:100-111 Apr '67

STEEL, HEAT RESISTANT

Effect of thermal annealing conditions on heat-resistant properties of Kh18Ni9T steel. M. M. Steinhilberg, G. A. Tifonov. *Izv. vuz. ucheb. zav.; Chern. met.* 10 no. 5:120-123 Apr '67

STEEL, STAINLESS—ELECTRIC PROPERTIES

Effect of molybdenum on properties of stainless instrument steels. IU A Geller, E. I. Auzina. Izv. vys. ucheb. zav. Chern. met. 10 no. 3:135-139 '67.

STEEL, STAINLESS—ELECTROMETALLURGY

Certain properties and conditions of hot pressure working of stainless heat-resistant steels. S. Z. Udovich, A. V. Syt'o, V. P. Potapova. Stal' 27 no. 3:267-268 Mr '67.

STEEL, STAINLESS—WELDING

Welding large-diameter stainless steel elements. A. N. Safonnikov, Khim. i nef. mashinost. no. 5:39-12 My '65.

STEEL, STRUCTURAL

Stels, V.E. [Production and use of economical sections in rolled products.] Proizvodstvo i primeneniye ekonomichnykh profilov prokata. Moskva, Metallurgiya, 1967 156 p.

STEEL, STRUCTURAL—BRITTLENESS

Effect of tempering on the tendency to brittle failure of rolled structural steel products. E. S. Volokhvan-skaya. Trudy TSNII MPS no. 323:73-80 '66.

STEEL, STRUCTURAL—CORROSION

Corrosion characteristics of some brands of high-strength structural steel. S. G. Vedenkin, L. M. Mikhailova. Trudy TSNII MPS no. 323:66-72 '66.

STEEL, STRUCTURAL—INCLUSIONS

Nonmetallic inclusions in some brands of structural steel. K. N. Ershova, G. M. Orlova. Trudy TSNII MPS no. 323:61-65 '66.

STEEL, STRUCTURAL—METALLURGY

Areas of efficient use in railroads of rolled products in structural steel depending on methods of their production. N. P. Shchapov. Trudy TSNII MPS no. 323:106-125 '66.

STEEL ALLOYS

Highly resistant alloyed steel rails. D. S. Kazan'nevskii and others. Stal' 20 no. 5:458-465 My '60.

STEEL ALLOYS—ELECTROMETALLURGY

Accelerating the electric smelting of 18KhNVA steel from alloy scrap. F. P. Lerner, I. Kh. Kutuev, R. I. Kollasnikova. Stal' 20 no. 5:428-433 My '60.

STEEL CASTINGS

Determination of the self-simulating area for steel foundry gase systems. T. A. Nadzhafov. Za tekhn. prog. 7 no. 3:34-37 Mr '67.

Improving the casting of a bucket tooth. B. D. Faingold, N. I. Beigurov. Shrot. i dor. mash. 12 no. 4:37 Ap '67.

New technology for producing castings of stainless steel fittings using overall mechanization of industrial processes. R. Buchin. Trudy MNHTMASH no. 1:43-53 '66.

STEEL CASTINGS—DEFECTS

Using natural gas for removal of defects on G13L steel castings before welding. P. F. Parashuk. Svar. protzv. no. 4:42-43 Ap '67.

STEEL INGOTS

Bottom pouring of killed steel without crushing. S. I. Malyshov and others. Stal' 20 no. 5:410-420 My '60.

Effect of the shape of ingot ends on gipping conditions. I. D. Kuzema. Stal' 20 no. 5:430-411 My '60.

Mechanism for the turning of ingots. L. Rodonov. Metallurg 12 no. 3:32-33 Mr '67.

STEEL INGOTS—COOLING

Atomizer for the uniform sprinkling of water on continuous steel casting installations. M. A. Boyman, E. V. Svirin, V. S. Litvinov. Stal' 20 no. 5:410-419 My '60.

Modeling solidification processes and the heating of ingots of rectangular cross section. L. M. Gol'dfarb and others. Izv. vys. ucheb. zav. ; Chern. met. 10 no. 4:140-153 '67.

STEEL INGOTS—DEFECTS

Influence of the location of radial ingot molds on UNTS equipment (equipment for continuous casting of steel) on the quality of ingots. P. G. Shmidt, P. E. Efremov, G. F. Kononov. Stal' 27 no. 3:223-225 Mr '67.

STEEL INGOTS—DENSITY

Estimating an ingot weight. S. P. Bakumenko, B. B. Guliayev. Izv. vys. ucheb. zav. ; Chern. met. 10 no. 4:43-46 '67.

STEEL INDUSTRY

(see also subdivision under Kuznetsk Basin)

How steel was tempered. S. Balbekov. Nov. vrem. 26 no. 10:12-13 My '67.

STEEL INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Leningrad)

STEEL INDUSTRY—FINANCE

Efficiency of heat treatment of sheet steel. T. G. Ben', A. P. Chernovolova. Izv. vys. ucheb. zav. ; Chern. met. 10 no. 4:184-187 '67.

STEEL INDUSTRY—MANAGEMENT

(see also subdivision under Elektrostal' (Moscow Province), Kuznetsk Basin, Uzbekistan)

STEEL PIPE

(see Pipe, Steel)

STEEL STRIP

Bite of strip during its rolling in grooves. IU. S. Chernobryvenko. Nauch. trudy Dnepr. inst. Chern. met. 21:290-305 '65.

Influence of the geometric shape of inclined passes on strip resistance to rolling. I. A. Sharapov. Stal' 27 no. 3:250-251 Mr '67.

Progressive technology of making cold-rolled wide strip of Kh18Ni9Ti steel at the "Zaporozhstal'" Plant. A. P. Chikmarov and others. Nauch. trudy Dnepr. inst. Chern. met. 21:38-52 '65.

STEEL STRIP—TESTING

Recrystallization and texturization in an extremely thin strip of electrical steel. S. V. Afanas'ev and others. Fiz. metal. i metalloved. 23 no. 4:690-695 Ap '67.

STEELWORKERS

(see Iron and steel workers)

STEL' MAKH, MYKHAILO PANASOVYCH, 1912-

The poetry of thought. D. I. Vaskilenko. Rad. lit. 11 no. 2:3-11 F '67.

STELAZINE—PHYSIOLOGICAL EFFECT

Histochemical and electrophysiological data on the effect of stelazine on the brain in white rats. L. I. Glezer, I. S. Jakobson. Zhur. nevro i psikh. 67 no. 4:576-584 '67.

STEPE FLORA

(see subdivision under Krasnodarsk region (Sverdlovsk Province))

STEREOCHEMISTRY

Infrared absorption spectra of geometrical isomers [Pt(C₂H₅)₂Cl₂]. IU. I. A. Kharitonov, I. K. Dymina, T. N. Leonova. Dokl. AN SSSR 173 no. 5:1113-1116 Ap '67.

Stereochemistry of acetylene synthesis. Part 5. Synthesis and steric structure of stereoisomer 1-methyl-, 2-methyl-, and 1, 2-dimethyl-4-ethyl-1-4-hydroxy-decylidene oxalones. B. V. Unkovskii and others. Zhur. org. khim. 3 no. 4:757-765 Ap '67.

Stereochemistry of the acetylene synthesis of 3-ketodir-terpenes. G. A. Tolstikov, M. I. Gortsev, L. I. Tolstikova. Dokl. AN SSSR 173 no. 5:1110-1112 Ap '67.

Stereo-directed synthesis of 2-parhydropyridines. M. A. Volodina, G. V. Kirushkina, A. P. Terent'ev. Dokl. AN SSSR 173 no. 2:342-345 Mr '67.

Synthesis and study of the steric structure of some 4-piperidones and 4-piperidols. B. A. Arbutov, G. G. Butenko, A. N. Vereshchagin. Dokl. AN SSSR 172 no. 6:1323-1326 F '67.

STEREOPHONIC SOUND SYSTEMS

Phase characteristics of stereophonic channels. L. Kono-novich. Radio no. 1:38-39 Ja '67.

STERIC HINDRANCE

Formation of cyclohexadienones in the intramolecular alkylation in the series of sterically hindered phenols. V. V. Ershov, I. S. Beloslotkina, V. F. Vozh'nikina, Zhur. org. khim. 3 no. 3:511-514 Mr '67.

STERILIFY

Clarification of the causes of childless marriage. V. P. Koval, I. A. C. Atlas. Sov. med. 27 no. 8:115-118 Ag '63.

STEROIDS

Analog of steroid compounds without ring B. Report No. 1. Synthesis of 2-methyl-3-ethyl-4-(p-aniloyl)-Δ¹-cyclohexene-1-carboxylic acid. A. A. Akhrem, IU. A. Flitov, I. S. Levina. Izv. AN SSSR. Ser. khim. no. 3:624-628 Mr '67.

Synthesis of some steroid derivatives of sarcosine. M. V. Mukhina, A. M. Khalelskii. Zhur. ob. khim. 37 no. 3:587-589 Mr '67.

STOCHASTIC PROCESSES

Algorithm for calculating spectral density of capacity of stationary stochastic process. M. V. Gorelova. Eksp. inform. Mor. gidrofiz. inst. AN URSS no. 3:158-166 '66.

A generalization of homogeneous processes with independent increments. Van-An, I. I. Ezhov. Dop. AN URSS, Ser. A 20 no. 4:201-204 Ap '67.

Inversion of the theorem on asymptotic stability of stochastic systems. I. A. Kats. Mat. zap. Ural. mal. ob-va UrGU 6 no. 2:43-51 '65.

Linear transformations of uniform generalized random fields. M. A. Mirzakhmedov. Izv. AN Uz. SSR. Ser. fiz. - mat. nauk 11 no. 2:20-23 '67.

Review of methods for the generation of random processes. O. O. Khokhel'. Avtomatyka 12 no. 2:68-66 Mr-Ap '67.

Steady-state primitives in piecewise stable stochastic processes. I. M. Silvinak, M. Sh. Fleksner, Toor. funk., funk. anal. i ikh prilozh. no. 3:210-224 '66.

Stochastic model of the critical state of substance. L. A. Roli, A. A. Edinovich. Shor. nauch. rab. Belorus. tekhn. inst. Ser. obshchestven. 3 no. 4:7-51 '66.

STOCK AND STOCKBREEDING

(see also subdivision under Altai Territory; Khiva District, Kayl-Orda Province, Lipetsk Province, Slaviopol Territory, United States)

Dorisenko, E. I. A. [Problems of animal husbandry; animal husbandry and zootechny in the U. S. S. R.] Problemy zhivoonovodstva, zhivoonovodstvo i zootehnicheskaya nauka v SSSR. Moskva, Znanie, 1967. 28 p. (Novoe v zhizni, nauke, tekhnike. V Seriya Sel'skoe khozaystvo, 5)

Who will work as a cattleman? G. Shcheglov. Sov. profsoyuz 23 no. 6:22-23 Mr '67.

STOCK AND STOCKBREEDING—PRICES

(see subdivision under Kazakhstan)

STOCK AND STOCKBREEDING—RESEARCH

Achievements of science and advanced practices in production. V. V. Shchaglov. Vestn. AN BSSR. Ser. sel'khoz. nav. no. 1:134-136 '67.

STOMACH

Correlations between the functional and morphological properties of the stomach and the character of choline-esterase distribution in its mucosa during the aging of the organism. L. V. Donskaya, B. L. Smolianskii. Arkh. pat. 20 no. 3:46-50 '67.

Formation, development, and functional activity of the stomach in mammals in embryonic stage. E. T. Khru-l'kii. Trudy Oren. otd. Vses. filiol. ob-va no. 3:91-109 '64.

Weight of the human stomach. E. G. Klein, A. I. A. Kristul, Arkh. pat. 20 no. 4:53-58 '67.

STOMACH—BIOPSY

Gastric biopsy in the diagnosis of cancer and precancer diseases of the stomach. IU. S. Silaev. Vop. onk. 13 no. 3:19-24 '67.

STOMACH—CANCER

Bioclinical activity in the gastric branches of the nervous system in the development of Brown-Pearce carcinoma in the gastric wall in rabbits. B. Z. Sholin. Bul. eksp. biol. i med. 63 no. 5:85-86 My '67.

Changes in the function of the adrenal cortex and incretory function of the stomach in gastric cancer. T. N. Morozovskaya. Vop. onk. 13 no. 3:39-43 '67.

Changes in the protein fractions of the blood serum in cancer of the stomach. L. M. Miloslavskii, A. D. Antshevskaya. Vop. onk. 13 no. 3:33-37 '67.

Cinematography in X-ray diagnosis of gastric cancer. IU. N. Sokolov. Vestn. ent. i rad. 12 no. 2:3-13 Mr-Ap '67.

Content and functional state of thrombocytes in patients with cancer of the stomach. P. V. Lys. Vop. onk. 13 no. 3:30-32 '67.

Diagnosis and treatment of gastric cancer developing following surgery for ulcers. I. S. Poleshchuk. Vop. onk. 13 no. 3:91-94 '67.

Differential diagnostic value of blood serum protein fractions in diseases of the stomach and esophagus. IU. E. Beizov, I. P. Stepanov, M. D. Lapin. Sov. med. 27 no. 8:77-81 Ag '63.

Functional state of the thyroid gland in cancer of the stomach. N. N. Appleova. Vop. eksp. onk. no. 2:141-146 '66.

Gastric biopsy in the diagnosis of cancer and precancer diseases of the stomach. IU. S. Silaev. Vop. onk. 13 no. 3:19-24 '67.

Histogenesis of gastric cancer. I. V. Vaskilenko. Arkh. pat. 20 no. 3:31-36 '67.

Kinetics of survival in stomach cancer patients based on observations of the initial period following radical surgery. N. M. Emameli and others. Dokl. AN SSSR 173 no. 5:226-228 Ap '67.

Lesions of the stomach simulating cancer in acute pancreatitis. G. L. Akkerman, G. N. Khorev. Vop. onk. 13 no. 3:90-100 '67.

Study of some antigens of gastric cancer in man. G. I. Avdeev, T. E. Gosh. Vop. onk. 13 no. 4:32-30 '67.

Therapeutic test for differential diagnosis of gastric ulcer and ulcer malignization. L. P. Simbirskaya, M. L. Gershanovich. Vop. onk. 13 no. 3:24-20 '67.

Use of paper electrophoresis in the study of blood protein composition in cancer of the stomach. L. G. Moskalev. Sov. med. 30 no. 3:140 Mr '67.

STOMACH—DISEASES

Functional and morphological changes in the stomach in dogs in experimental hepatitis. N. P. Akl'mov. Bul. eksp. biol. i med. 63 no. 4:41-45 Ap '67.

Functional disorder of the liver, stomach, and pancreas in cholecystitis in children. A. P. Dobrogayeva, M. Z. Shchotkina. Sov. med. 27 no. 8:44-17 Ag '63.

STOMACH—INFLAMMATION

Clinicohistological comparisons in chronic gastritis and functional disorders of the stomach. P. A. Kanishchev. Sov. med. 27 no. 8:81-84 Ag '63.

STOMACH—INNERVATION

Reflex changes of blood pressure following stimulation of sensitive nerves of muscular rectus abdominis. A. M. Khramov. Nauch. dokl. vys. shkoly. biol. nauk 10 no. 3:37-39 '67.

Secretion of the ventricle denervated by A. M. Ugolov's method. L. V. Ilina. Dokl. AN BSSR 11 no. 3:274-277 Mr '67.

- STOMACH—RADIOGRAPHY**
Clinicohistological comparisons in chronic gastritis and functional disorders of the stomach. P. A. Kanishchev. Sov. med. 27 no. 8 81-84 Ag '63.
- STOMACH—SECRECTIONS**
Changes in the function of the adrenergic cortex and secretory function of the stomach in gastric cancer. T. V. Mordukhina. Vop. onk. 13 no. 3 39-43 '67.
Clinicohistological comparisons in chronic gastritis and functional disorders of the stomach. P. A. Kanishchev. Sov. med. 27 no. 8 81-84 Ag '63.
Functional state of gastric glands in puppies aged less than one month. D. M. Gzdzian. Fiziol. zhur. 49 no. 10 1230-1233 O '63.
Secretion of the ventricle denervated by A. M. Ugolev's method. L. V. Rina. Dokl. AN BSSR 11 no. 3 274-277 Mr '67.
Study of the secretory activity of the stomach. A. Z. Vafin. Fiziol. zhur. 53 no. 4 155-158 Ap '67.
- STOMACH—SURGERY**
Endocrine function of the pancreas before and after radical operations on the stomach. N. N. Kuznetsov. Sov. med. 30 no. 3 108-110 Mr '67.
Kvashnin, I. U. K., and I. U. M. Panishev. [Aftereffects of gastrectomy, pathophysiology, clinical aspects, treatment] Posledstviya gastrektomii, patofiziologiya, klinika, lechenie. Moskva, Meditsina, 1967. 259 p.
Results of gastrectomy in cancer of the cardia and the lower third of the esophagus. S. I. A. Markovich. Vop. onk. 17 no. 3 94-95 '67.
- STOMACH—TUMORS**
Histological characteristics of simple, proliferating and malignant adenomatous polyps of the stomach. B. G. Lisochkin. Arkh. pat. 20 no. 3 36-40 '67.
Structural changes in adenomatous polyps of the stomach during the process of their development and malignant transformation. B. G. Lisochkin. Vop. onk. 13 no. 4 100-105 '67.
- STOMACH—ULCERS**
Diagnosis and treatment of gastric cancer developing following surgery for ulcers. I. S. Poleshchuk. Vop. onk. 13 no. 3 91-94 '67.
Stomach ulcer and duodenal ulcer, a single disease or two different diseases? N. Goldenberg and others. Sov. med. 27 no. 8 18-22 Ag '63.
Therapeutic test for differential diagnosis of gastric ulcer and ulcer malignancy. L. P. Simbirtseva, M. L. Gershanovich. Vop. onk. 13 no. 3 24-28 '67.
- STOMACH—WOUNDS AND INJURIES**
Widespread necrosis of the gastric mucosa following a burn. V. G. Kostenko. Zhurn. shch. nos. i goi. bol. 20 no. 2 82 Mr-Apr '60.
- STOMATIDAE**
[Idacanthidae (Pisces) of Indian and Pacific Oceans. N. S. Novikova. Trudy Inst. okean. 84 150-208 '67.
- STOMATOLOGY**
Basygina, M. V. [Diseases of the teeth and mucous membrane of the oral cavity] Bolezni zubov i slizistoi obolochki polosti rta. Moskva, Meditsina, 1967. 341 p. (DNLM)
Sokolov, A. A. [Exercise therapy in stomatology] Lecheniye fizkulturoy v stomatologii. Moskva, Meditsina, 1967. 158 p. (DNLM)
- STONE, CAST**
Using diabases and amphibolites of the Kilyov Reg Basin for stone casting. B. I. Pyrogov, V. V. Vagin. Geol. zhur. no. 6 57-74 '60.
- STONE, CAST—THERMAL PROPERTIES**
Determining heat conductivity factor of cement stone. S. M. Kuliev, M. A. Abdulov. Izv. vyz. ucheb. zav., nef. i gaz. 10 no. 2 29-33 '67.
- STONE AGE** see subdivision under Korea
- STOPING (MINING)**
Classification of roof conditions in stopes. A. A. Orlov. Ugol. 42 no. 4 37-39 Ap '67.
Successive ventilation of stopes during mining of steeply pitching seams in Kuznetsk Basin. G. G. Bogdanov, K. V. Khramitsov. Vop. bezop. v ugol. shakht. 7 52-60 '66.
US-1 scraper-plover. I. E. Didenko, P. V. Romanov. Mash. i obr. dila mekh. i avtomatiz. trud. prots. v ugol. prom. no. 3 3-4 '66.
- STOPING (MINING)—MECHANIZATION**
Ventilation of mine workings in an overall mechanization of stoping operations. A. A. Misanikov. Vop. bezop. v ugol. shakht. 7 16-20 '66.
- STORAGE BATTERIES**
Optimal processes for charging capacitive storage units. I. V. Volkov, I. V. Pentegov. Izv. vyz. ucheb. zav., energ. 10 no. 1 25-28 Ap '67.
Use of freezing in the manufacture of active mass of alkaline storage batteries. A. A. Pospelov, V. G. Chukhlentsev. Izv. AN SSSR. Neorg. mat. 3 no. 4 747-749 Ap '67.
- STORMS** see subdivision under Asia, Central
- STORYTELLING**
We are teaching children to tell stories. A. Nikolaitcheva. Doshk. vosp. 40 no. 4 80-82 '67.
- STRAIN GAUGES**
Effect of the field of deformations and the angle of the installation of a strain gauge on the errors of measurements in strength tests. A. I. Mal'ev. Samoletostr. i tekhn. vozd. flota. no. 7 41-48 '66.
Pressure transducer with semiconductor strain gauges. I. V. Rapatskaya. Mekh. mash. no. 1 2 43-50 '66.
Taking readings of pickups on fast-rotating shafts. M. D. Bogoroditskiy, E. A. Iudin. Stroitel. mash. 12 no. 1 18-20 Ap '67.
- STRAINS AND STRESSES**
Breaking elongations as dependent on stress in the study of the long time strength of polymers. A. T. Sanzhayevskiy and others. Dokl. AN SSSR 173 no. 3 638-640 Mr '67.
Bulk resistance of a semiconductor diode. V. S. Zased, G. I. Kubetskiy. Fiz. i tekhn. poluprov. 1 no. 2 295-297 F '67.
Calculating coefficients of safety for the case of a simultaneous action of asymmetric cycles of bending and torsion. V. V. Kozlov. Izv. vyz. ucheb. zav., mashinost. no. 2 24-27 '67.
Calculating statically indeterminate space structures by "MINSK-12" electronic computers. B. A. Sarangol'tis, A. V. Gorbunov, A. G. Khadov. Ugol. Ukl. 11 no. 1 34-35 Ja '67.
Calculating stresses in 3VO-10m car frames. A. A. Rengevich and others. Vop. rud. transp. no. 9 147-158 '65.
Calculating the force of advance stress application in stands in measuring rolling pressure. G. G. Pobegailo. Nauch. trudy Dnepr. inst. cher. met. 21 232-236 '65.
Certain problems in the theory of interaction between bucket loading mechanism and the rock. O. D. Gagin, O. P. Ivanov, V. G. Sitnik. Vop. rud. transp. no. 0 206-300 '65.
Determination of flexures in rectangular plates of variable rigidity under arbitrary load and with any pattern of support along the contour. A. M. Kakushadze, V. Sh. Dzhabakhishvili, K. L. Kadarlia. Trudy GPI [Gruz.] no. 2 125-130 '64.
Determining tension during continuous rolling taking into account relaxation. M. I. Brovman, V. N. Vydrin, V. Kh. Rikhen. Izv. vyz. ucheb. zav., Chern. met. 10 no. 4 69-71 '67.
Determining the stressed state of a cylinder under arbitrary symmetrical loads applied at its ends. G. G. Shen-gailo. Trudy GPI [Gruz.] no. 2 311-316 '64.
Determining stresses in moving gears of bucket loaders. M. I. Kupilenko, A. A. Dikhtin. Vop. rud. transp. no. 9 276-287 '65.
Determining the stresses and strains in the basis in shifting loads from separately located foundations at considerable depth. D. E. Kvachadze. Trudy GPI [Gruz.] no. 2 139-141 '64.
Diffusive stress relaxation during polymorphic transformation. M. A. Shchemel', V. I. Lizonov. Fiz. met. i metalloved. 23 no. 3 521-527 Mr '67.
Distribution of internal strains in the case of random arrangement of dislocations. B. M. Strunin. Fiz. tver. tela 9 no. 3 805-812 Mr '67.
Dynamic concentration of stresses near an elliptic hole. V. D. Kubenko. Dop. AN URSS Ser. A 29 no. 1 60-64 Ja '67.
Dynamics of the working element of rock loaders with articulated handles. M. I. Karplenko, I. P. Savitskiy. Vop. rud. transp. no. 8 269-276 '65.
Effect of programmed loading on the flow stress in metals under alternating strain. I. A. Gindin, I. I. Bonobelskiy, I. M. Nekliudov. Fiz. met. i metalloved. 23 no. 3 554-558 Mr '67.
Establishing carrying capacity of statically indeterminate systems with elements subjected to flexure and torque. I. G. Bychkov. Trudy Kal. tref. inst. no. 10 177-189 '60.
Experimental investigation of stress distribution during the shaping of a strip on a roll-bending machine. M. N. Chelovan', A. S. Kharagali. Izv. vyz. ucheb. zav., Chern. met. 10 no. 4 64-69 '67.
Experimental investigation of the distribution of pulse magnitudes on the walls of cylindrical shells at prompt energy release. V. G. Dorofeev and others. Samoletostr. i tekhn. vozd. flota. no. 7 80-93 '66.
Flexural vibrations of rods under compression and torsional stress. A. M. Shanashvili. Trudy GPI [Gruz.] no. 2 297-303 '64.
Investigating stressed state in body of universal pre-venter. A. T. Rasi-Zade and others. Mash. i nef. obr. no. 2 17-20 '67.
Investigations on stresses occurring in mine railroad car couplings with the aid of continuous electronic calculating machines. A. K. Byla, V. I. Zhukovskiy, V. D. Reznikov. Vop. rud. transp. no. 9 188-194 '65.
- LIAKHOV, O. M., and N. I. Pollakova.** [Waves in dense media and loads on structures] Volny v ploynkh sredakh i nagruzki na sooruzheniya. Moskva, Nedra, 1967. 231 p.
- Load coefficient of inclined hoists in open-pit mine. E. Nosyrev, S. M. Kubaev. Izv. vyz. ucheb. zav., gor. zi. 10 no. 2 11-16 '67.
Methodology of calculating inner pressure of casing. Tishchenko, A. A. Fedorov. Razrab. nef. i gaz. mest. no. 1 24-27 '65.
Parameters of rolling processes with tension. A. P. Chekmarev, V. P. Grechko, M. D. Kutsygin. Nauch. trudy Dnepr. inst. cher. met. 21 71-81 '65.
Residual strains and stresses caused by rolling of flat sheets of titanium-aluminum alloys. V. M. Sagalov. Izv. vyz. ucheb. zav., mashinost. no. 1 190-192 '67.
Stress and deformed state of ring stiffeners on casings multirope hoist friction sheaves. A. I. Chernyshenko. Izv. vyz. ucheb. zav., gor. zhur. 10 no. 2 87-91 '67.
Stress distribution and metal pressure on rolls during rolling in grooves. A. P. Chekmarev, A. N. Kirichenko. Nauch. trudy Dnepr. inst. cher. met. 21 137-144 '65.
Stress relaxation, creep, and uniaxial tension, conditions and characteristics of processes. G. S. Voinikov, B. M. Rovinskiy. FMTF no. 6 19-26 N-D '66.
Stressed and strained state in drawing intricately shaped parts. L. A. Rubenkova, A. G. Vozilinskiy, I. B. Driashk-Kuz. shcham, protzv. 9 no. 3 18-22 Mr '67.
Stressed state of a thick slab. I. I. Vorovich, O. S. Maikina. Prikl. mat. i mekh. 31 no. 2 370-341 Mr-Apr '67.
Stresses and strains in growing bodies. M. A. Levin. Dokl. AN BSSR 11 no. 3 222-225 Mr '67.
Stresses occurring in casing when catchers become wedged. P. I. Uzunov. Razrab. nef. i gaz. mest. no. 1 47-51 '65.
Study of internal stresses arising at low and high temperatures during the aging of paint coatings. N. L. Maslennikova, S. V. Akhmedov, A. Y. Sanzhayevskiy. Labor. knizmat. i kh. prom. no. 2 58-62 '67.
Study of the process of hardening of unsaturated polyester based on stress relaxation at constant deformation. A. A. Askadskiy and others. Vysokom. sood. Ser. B 9 no. 1 16-18 Ja '67.
X-ray study of nickel structure distortions caused by etching at normal and elevated temperatures. M. I. Babicheva, M. D. Terminasova, L. V. Tuzov. Izv. vyz. ucheb. zav., fiz. 10 no. 2 51-58 '67.
- STRAINS AND STRESSES—GRAPHIC METHODS**
Plotting a deformation diagram after the formation of a joint. Zh. i. Petrosian, A. A. Shishov. Izv. vyz. ucheb. zav., mashinost. no. 2 27-30 '67.
- STRAINS AND STRESSES—MEASUREMENT**
Small-size mercury slip rings for measuring stresses in mine machinery shafts. I. I. Novitskiy. Mash. i obr. dila mekh. i avtomatiz. trud. prots. v ugol. prom. no. 3 161-166 '66.
- STRANGE PARTICLES**
Determining the fermion stream density in vector coupling theories. V. V. Sokolov, I. B. Khriplovich. Izd. fiz. 5 no. 3 644-610 Mr '67.
Existence of some baryon and meson unitary multiplets. L. Enkovskiy, V. V. Kukhtin, Nguyen-thi-Hong. Izd. fiz. 5 no. 4 891-891 Ap '67.
Hyperfine structure of the mass spectrum of elementary particles. N. S. Akulov. Dokl. AN BSSR 11 no. 3 209-213 Mr '67.
Photoproduction of neutral vector mesons and the quark model of elementary particles. A. I. Akhiezer, M. P. Rekinov. Izd. fiz. 5 no. 3 611-643 Mr '67.
- STRATIGRAPHIC GEOLOGY** see Geology, Stratigraphic
- STRATIGRAPHIC PALEOBOTANY** see Paleobotany, Stratigraphic
- STRATOSPHERE** see subdivision under Northern Hemisphere
- STRAW**
Technological characteristics of wheat straw used as raw material for the hydrolysis yeast industry. I. I. Korotkov and others. Shor. trudy NIIGS 15 43-52 '66.
- STRAWBERRIES—DISEASES AND PESTS** see subdivision under White Russia
- STREET CLEANING**
A mechanical janitor. A. A. Volchanskii. Shkola i protzv. 11 no. 3 66 Mr '67.
- STREETS—SNOW AND ICE CONTROL**
The new RS-66 snow remover. V. V. Shcherbak, I. P. Voykovits. Stroitel. mash. 12 no. 3 1-2 Mr '67.
- STREL'NA (LENINGRAD PROVINCE)—HISTORY**
Ardikutsa, V. E. Strel'na. [Leningrad] Lenizdat, 1967. 99 p.
- STREL'TSOVA, NINA IVANOVNA**
An excellent journalist and good friend, E. Eremova. Sov. radio i tel. 9 no. 3 6-7 '66.
- STRENGTH OF MATERIALS**
Analysis of the criteria of lasting strength. V. N. Kiselevskiy, V. V. Osasik. Prikl. mekh. 3 no. 3 95-99 Mr '67.

- STRENGTH OF MATERIALS (Continued)**
- Durability of thin electrolytic copper films under longitudinal and transverse loads applied in succession. B. I. A. Pines, R. I. Kuznetsova. Dokl. AN SSSR 173 no 2 329-330 Mr '67.
- Experimental study of the rigidity of Komazit-concrete flexible elements under temporary loading. L. S. Vlasov. Trudy GPI [Gruz.] no 2 317-324 '64.
- Experimental testing of the durability of Komazit concrete under a pulsating load. Z. G. Agabekova. Trudy GPI [Gruz.] no 2 33-39 '64.
- High strength and problem of whiskers of crystals. S. Z. Bokstein, S. T. Kishkin, I. L. Svetlov. Izv. AN SSSR, Neorg. mat. 3 no 1 157-160 Ja '67.
- Variation in the mechanical strength of a polystyrene film in electrical aging. M. A. Bagirov, S. A. Albasov, T. I. Glusheva. Dokl. AN Azerb. SSR 22 no 11 16-20 '66.
- STREPTOPTERA**
- [A guide to insects of the European part of the U. S. S. R. in five volumes] Opredeitel' nasokomykh evropeiskoi chasti SSSR v plati tomakh. Moskva, Nauka.
- Vol. 2. [Coleoptera and Streptoptera] Zhestkokrylye i veokrylyye. 1965. 868 p. [Opredeitel' 11 po faune SSSR, no. 89]
- STREPTOCOCCUS**
- Effect of Streptococcus allergen on the course of anaphylactic shock. S. M. Milerov, P. Z. Potchenko. Pat. fiziol. i eksp. teip. 11 no 2 63-64 Mr-Apr '67.
- Reaction of anistiptococcal sera to various tissues of the guinea pig as revealed by the immunofluorescence method. T. A. Danilova. Blul. eksp. biol. i med. 63 no 5 70-72 My '67.
- STREPTOCOCCUS—CULTURES AND CULTURE MEDIA**
- Physiological properties of lactic Streptococci following prolonged storage in lyophilized state and in culture media. A. G. Grinevich. Prikl. biokhim. i mikrobiol. 3 no 2 151-156 Mr-Apr '67.
- STREPTOMYCIN**
- Determination of the sensitivity to streptomycin in pulmonary tuberculosis patients. I. L. Sagdian. Sov. med. 27 no 8 103-106 Ag '63.
- Effect of substances containing guanidine or urea group on the streptomycin formation by Actinomyces streptomycin strain LS-1. L. A. Galandina, P. A. Agatov. Dokl. AN SSSR 165 no 6 1413-1415 D '65.
- Intralumbar injection of streptomycin in otogenous intracranial complications. I. U. D. Vasilenko, G. A. Feigin. Zhur. uzh. nos i gorl. bol. 20 no 2 54-60 Mr-Apr '60.
- Kinetics of ion exchange of large organic ions on carboxylation exchangers. P. S. Vaisberg, L. I. A. Phomova. B. P. Bums. Zhur. fiz. khim. 41 no 4 892-895 Ap '67.
- Streptomycin-induced pigment mutants of Chlorella vulgaris. V. V. Tuganinov. Genetika 3 no 3 101-106 Mr '67.
- STREPTOMYCIN—SIDE EFFECTS**
- Case of severe anaphylactic shock and clinical death following subcutaneous injection of streptomycin. G. O. Andzhelev, V. I. A. Zolotarevskii, A. L. Tver'skoi. Sov. med. 30 no 3 111-115 Mr '67.
- STRESS (PHYSIOLOGY)**
- Changes in the cardiovascular system following overexertion. L. I. D. Kocher, I. U. A. D. Melin. Voen.-med. zhur. no 3 12-34 Mr '67.
- Effect of various drinking patterns on diuretics under the condition of high air temperature and physical load. F. T. Eronin, Fiziol. zhur. 10 no 10 1249-1253 O '63.
- Errors in the diagnosis of pathological reconstruction of bones caused by excessive strain. V. I. Bezhenetsa, Ortop. i travm. i protot. 28 no 4 65-67 Ap '67.
- Morphological changes in neurons of the cerebral cortex during physical strain and under conditions of preliminary training. V. P. Tumanov, G. N. Krivitskaya. Blul. eksp. biol. i med. 63 no 5 107-109 My '67.
- STRESS (PHYSIOLOGY)—CONGRESSES**
- All-Union Symposium on Objective Criteria on the Severity and Intensity of Work. I. S. Kandror. Fiziol. zhur. 53 no 4 467-468 Ap '67.
- STRESS WAVES**
- Calculating equivalent explosive charges. N. U. Turuta, I. U. L. Diagodaienko. Izv. vys. uch. zaved. i gos. zhur. 10 no 2 67-71 '67.
- STRIP MINES AND MINING—EQUIPMENT AND SUPPLIES**
- For open-pit coal mines. V. S. Sula. Sov. shakht. 16 no 3 11-5 Mr '67.
- STRIP MINING**
- (see also subdivision under Donets Basin, Kuznetsk Basin, Raychikhinsk Basin, Sibirsk region, Bashkiria, Ukraine)
- The New Esh-10/70A walker dragline; changes in design, and its use in open-pit mine operations. N. N. Melnikov. Ugol' 42 no 4 42-10 Ap '67.
- STRIP MINING—SAFETY MEASURES**
- Control of snow avalanches in open-pit mountain mines. V. N. Akkuratov, R. S. Permiakov. Bezop. truda v prom. 11 no 4 44-47 Ap '67.
- How to conduct an analysis of traumatism in open-pit mining. A. A. Shardorov. Bezop. truda v prom. 11 no 4 10-22 Ap '67.
- Improving the safety in the working of peripheral strips and the laying out of bench slopes in open-pit mines. S. I. Popov, I. U. N. Pesokhov, V. G. S. Z. Ganov. Bezop. truda v prom. 10 no 4 48-49 Ap '66.
- Revised divisions of "Electrical engineering" in the general safety regulations and the regulations on technical operation in open-pit mining. I. S. Samoilovich, A. M. Khimovskii, V. P. Lokotavina. Bezop. truda v prom. 11 no 4 23-25 Ap '67.
- STRIP RUST**
- Development of pathogens of stripe rust Puccinia glumarum in wheat leaves during incubation period. M. I. U. Stepanova. Trudy VIZR no 13 170-176 '58.
- Development of Puccinia glumarum Erikas. et Henn. in wheat seeds. N. A. Naumova. Trudy VIZR no 13 134-154 '58.
- Distribution of Puccinia glumarum Erikas. et Henn. on wheat ears. N. A. Naumova. Trudy VIZR no 13 155-160 '58.
- STRONTIUM ISOTOPES IN THE BODY**
- Device UIS-1 for intravital measuring of Sr⁹⁰ content in man. O. V. Lebedev and others. Med. rad. 12 no 4 76-77 Ap '67.
- Possibility of using food accessories to prevent accumulation of Sr⁹⁰ in the body. N. O. Itazumovskii, O. L. Tolchinskii. Med. rad. 12 no 4 88-89 Ap '67.
- STRONTIUM OXIDES—SPECTRA**
- Luminescence of nonstoichiometric strontium oxide. G. D. K. otova, Z. I. Guretskaya, A. A. Bundel'. Zhur. fiz. khim. 41 no 4 907-910 Ap '67.
- STROPHANTHIN—PHYSIOLOGICAL EFFECT**
- Characteristics of the changes in the cardiac blood supply in acute stage of myocardial infarct in cats following intraduction of strophanthin. E. A. Veselova, V. S. Kondrat'ev. Izv. i dokl. 10 no 2 162-166 Mr-Apr '67.
- STRUCTURAL FRAMES**
- Design of frames and strip foundations with allowance made for their joint operation. G. V. Chudakov. Trudy GPI [Gruz.] no 2 225-230 '64.
- [Overall mechanization systems for assembling space structures] Skhemy kompleksnoi mekhanizatsii montazha poryadstvennykh konstruktsii. Moskva, Stroizdat, 1966. 48 p.
- STRUCTURAL FRAMES—GRAPHIC METHODS**
- Graphicoanalytical determination of displacements in frames. S. S. Makarov, Shor. nauch. rab. Belous, tekhn. mat. bes. obshchestva. 40 no 3 40-47 '66.
- STRUCTURAL GEOLOGY** see Geology, Structural
- STRUCTURAL STEEL** see Steel, Structural
- STRUCTURES, THEORY OF**
- Using the theory of statistical hypotheses of Neumann-Pearson-Wald in some problems of theory of structures. V. M. Gorn'haienko. Prikl. mekh. 3 no 1 111-116 Ap '67.
- STUDENT ACTIVITIES**
- (see also subdivision under Kharkov; Kirghizistan; Kyrgyzstan, Leningrad; Moscow; Taganrog; Yakutia)
- Nobody And nothing are forgotten. S. Shvetsov. Sred. shkola 13 no 10 5-8 O '66.
- A review of young innovators in Moscow. M. A. Kamyshko. Shkola i prozv. 11 no 1 65 Ja '67.
- [Student affairs] Dola studenteskie. [Moskva] Molodala gvardia, 1966. 171 p.
- (CLU)
- Young railroadmen. V. S. Barteneva. Shkola i prozv. 11 no 1 50-59 Ja '67.
- STUDENT EMPLOYMENT**
- Duties and personal desires. K. Savichev. Mol. komm. no 3 78-81 '67.
- STUDENTS** see subdivision under Moscow
- STUDENTS—POLITICAL ACTIVITY** see subdivision under United States
- STUDENTS, INTERCHANGE OF**
- (see also subdivision under Czechoslovakia)
- Friendly encounters. V. T. Iatsenko. Sred. shkola, obr. 14 no 3 45-10 Mr '67.
- STUDENTS' SOCIETIES**
- (see also subdivision under Moscow)
- Development of cognitive interests. A. Iogolevich. Ner. obr. no 4 51-56 Ap '67.
- Kazakevich, R. A., and S. Z. Mandel'. [Scientific studies and cultural and educational activities of progressive students in the 1880's; The Scientific and Literary Society of the Students of St. Petersburg University] Nauchna i kulturno-prosvetitel'skaya deiatel'nost' progressivnykh studentovchesstva 80-ikh godov XIX v' studentcheskoe nauchno-literaturnoe obshchestvo Peterburgskogo universiteta. [Leningrad] Izd-vo Leningr. univ., 1967. 73 p.
- STUDY, METHOD OF**
- Working with a textbook. Waltraud Stenzel. Shkola i prozv. 11 no 3 72 Mr '67.
- STURGEONS**
- (see also subdivision under Caspian Sea region, Danube River, Kura River)
- Immunochemical analysis of interspecific differentiation of serum proteins as exemplified by *Aripennesia* V. I. Luk'ianenko, S. I. Sedov. Dokl. AN SSSR 173 no 3 696-698 Mr '67.
- STYLE, LITERARY**
- Gei, N. K. [Art of the word; on the artistic style of literature] Tekstovye slova, o khudozhestvennosti literatury. Moskva, Nauka, 1967. 303 p.
- STYLE, LITERARY—STUDY AND TEACHING**
- Bel'chikov, I. U. A. [Practical methods in studying the style of the modern Russian literary language, methodological advice for correspondence students of the faculties and departments of journalism of the State University] Prakticheskaia stilistika sovremennogo russkogo literaturnogoazyka, metodicheskie ukazaniia dlia studentov-zachetnikov fakul'tetov i otdelenii zhurnalistskii Gos. univ., Pod red. D. E. Rozentali. Izd. 3., ispr. i dop. [Moskva] Izd-vo Mosk. univ., [1963] 36 p. (CU)
- STYRENE—DIPOLE MOMENTS**
- Interaction of functional groups through π -electron systems. Part 8. α, β -Disubstituted vinylene group as a conductor of conjugation effect. A. E. Luts'kii and others. Teor. i ekspr. khim. 3 no 2 160-161 Mr-Apr '67.
- STYRENE POLYMERS**
- Determination of chain transfer constants in the polymerization of styrene in a medium of fluorine-containing solvents. T. M. Babichintser, K. K. Mozgova, V. V. Korshak. Dokl. AN SSSR 173 no 3 575-577 Mr '67.
- Production of varnishes from a styrene rectification vat product. I. I. Iukel'son and others. Lakokras. met. i ikh. prom. no 2 18-19 '67.
- Some mechanical properties of graft copolymers of styrene with ϵ -caprolactam. T. M. Fuzze and others. Vysokom. soed. Ser. B 9 no 1 67-70 Ja '67.
- STYRENE POLYMERS, EFFECT OF RADIATION ON**
- Effect of light on paramagnetic particles in irradiated polystyrene. A. T. Koritskii, A. V. Zubkov. Khim. vys. energ. 1 no 2 123-125 Mr-Apr '67.
- SUBJECT CATALOGS** see Catalogs, Subject
- SUBJECT HEADINGS**
- Some problems of the methodology of subject cataloging. A. J. Kuzm. Bibliotekoved i bibl. za rub. no 21 3-10 '67.
- SUBLIMATION (PHYSICAL SCIENCES)**
- Preparation of the Kai stau phosphonites for electric sublimation of phosphorus. A. V. Smorodnikov, V. A. Shamai. Khim. prom. 43 no 4 37-11 Ap '67.
- Rate of cadmium sulfide vaporization of 1000°-1400° C. S. M. Korzhakhmetov and others. Izv. AN SSSR. Met. no 2 50-63 Mr-Apr '67.
- Studying forms of metal passage into sublimate during slag treatment by vacuum methods. V. N. Nesterov and others. Trudy Inst. met. i obeg. AN Kazakh. SSR 18 28-33 '66.
- SUBMARINE BOATS**
- The first Russian. M. Rudnitskii. Tekh. i voozrzh. 25 no 2 29 F '67.
- SUBMARINE MEDICINE**
- Training of surgical brigades for service on submarines. I. U. P. Smitrov. Voen.-med. zhur. no 4 69-70 Ap '67.
- SUBMARINE OIL WELL DRILLING** see Oil well drilling, Submarine
- SUBSIDENCES (EARTH MOVEMENTS)**
- Causes of the occurrence of sudden rock outbursts in working deep coal mines. G. D. Efremov. Ugol' Ukr. 11 no 2 41-43 F '67.
- Classification of roof conditions in stopes. A. A. Orlov. Ugol' 12 no 4 37-30 Ap '67.
- SUBSTITUTION (CHEMISTRY)**
- Correlation of frequencies and intensities of infrared bands of the diazonium group of aromatic diazo compounds with the substituent constants. L. A. Kazitsyna, L. D. Ashkinadze, O. A. Koutov. Izv. AN SSSR Ser. Khim. no 3 702-703 Mr '67.
- Effect of electron-acceptor substituents on the stability of iminoether halo hydrate. G. A. Shvekhgimer, M. L. Shul'man. Dokl. AN SSSR 173 no 2 378-380 Mr '67.
- Possibility of preparing thiorodocyclodolosa. L. S. Sletkina, Z. A. Rogovin. Vysokom. soed. Ser. B 9 no 1: 37-39 Ja '67.
- SUBVERSIVE ACTIVITIES** see subdivision under Poland
- SUBWAYS—DESIGN AND CONSTRUCTION** see subdivision under Moscow

- SUCCULENT PLANTS** see subdivision under Uzbekistan
- SUCROSE**
Effect of sucrose on the stability of isolated chloroplasts
IU, G. Molotovskii, I. M. Zhestkova. *Izvestia* 14
no. 2 367-371. *Mr.-Ap* '67.
- SUDETES**
Tiffes; a satirical sketch. *Nov vrem.* 23 no. 22-20
My '67.
- SUGAR**
Some problems in the theory of the continuous method of
hydrolysis with diluted acid. I. A. Bellacvskii. *Sbor.*
trud. NIIGS 15:7-26 '66.
- SUGAR—INVERSION**
Inversion of hydrolyzates as a large potentiality for
the increase of the profitability of hydrolysis plants.
A. I. Kozlov, I. A. Kutrueva, I. V. Parmenova. *Sbor.*
trud. NIIGS 15:53-57 '66.
- SUGAR BEETS**
Trebin, B. N. [Mechanization of seed production of sugar
beets] Mekhanizatsiya semenovodstva sakharnoi sveyki.
[Penza] Penzenskoe knizhnoe izd-vo, 1932. 73 p.
(MIEM)
- SUGAR BEETS—DISEASES AND PESTS**
(see also subdivision under Czechoslovakia;
Kostroma Province)
Phanazon in sugar beet fields. E. A. Fridrikhson and
others. *Zashch. rast.* 12 no. 1 30-31 '67.
- SUGAR BEETS—FERTILIZERS AND MANURES**
(see also subdivision under Kazakhstan)
Phosphorus nutrition of sugar beets from fertilizers and
soils under liming. S. N. Ivanov, L. P. Miskko. *Vestnik*
AN BSSR, Ser. sel'skosp. nav. no. 1, 35-38 '67.
- SUGAR BEETS—HARVESTING** see subdivision under
Kuban
- SUGAR BEETS—IRRIGATION**
Characteristics of the anatomic structure of the root of
different sugar beet varieties under irrigation. N. A.
Nechiporenko, G. I. Pokudina. *Vestnik khokh. nauk*
[Kazakh.] 10 no. 3, 26-31. *Mr* '67.
- SUGAR IN THE BODY**
Sugar content in bile and blood of sheep in vivo and in
vitro. I. F. Sovetnikova. *Trudy Oren. otd. Vses. fiziol.*
ob-va no. 3, 169-173 '64.
- SUGAR INDUSTRY** see subdivision under Cuba
- SUGAR MANUFACTURE**
Study of heat exchange in the heating of mixtures of sugar
solutions and air. I. M. Fedotkin, S. M. Konstantinov,
G. S. Demchuk. *Izv. vys. ucheb. zav. pishch. tekhn.* no. 2,
144-147 '67.
- SUGARS**
Complex compounds of rare-earth elements with sugars.
N. P. Ffrushina, R. S. Lauer, N. S. Poluektov. *Zhur.*
neorg. khim. 12 no. 4 933-938. *Ap* '67.
Ferrocyanide method for determining sugars. G. M.
Lisakovskii, I. B. Aseeva. [Trudy] KNSKh 57 96-
103 '66.
- SUGARS IN PLANTS** see Plants, Sugars in
- SUGGESTION SYSTEMS**
Efficiency experts are improving production. A. Ivanov.
Nar. khoz. Kazakh 18 no. 12-38-41. *D* '60.
- SUKACHEV, VLADIMIR NIKOLAEVICH, 1890-**
V. N. Sukachev and his botanical studies on Ural; on his
85th birthday. P. L. Gorchakovskii. *Zap. Sverd. otd. VBO*
no. 4, 201-205 '66.
- SULA VALLEY—SCYTHIAN ANTIQUITIES**
Origin and ethnic contacts of the tribes of Scythian cul-
ture in the forested steppe of the Sula and Donets Valleys.
V. A. D'ins'ka. *Arkheologiya* 20 68-92 '66.
- SULFAMIDE**
1-Arenesulfonamyl-2-haloalkylthiopyranes. Report No. 3.
L. G. Kazankina, S. I. Burnistrov. *Ukr. khim. zhur.* 33
no. 3 303-305 '67.
Synthesis of N-arene(alkane)sulfonylthiazolidines. V. I.
Markov, O. D. Kas'lan. *Ukr. khim. zhur.* 33 no. 3, 289-
301 '67.
- SULFANILAMIDE**
Characteristics of absorption and excretion of sulfanil-
amide preparations under various functional states of
the nervous system. V. P. Petrov. *Trudy Oren. otd.*
Vses. fiziol. ob-va no. 3, 249-261 '64.
- SULFATES**
Aqueous sulfates, paragenetic with sulfur and with petro-
lium. N. T. Vinnichenko-Ukionkatska. *Nauch. trudy*
TashGU no. 273:30-34 '66.
- Effect of sulfates on the process of electrolytic produc-
tion of sodium from fused sodium chloride on liquid
lead cathode. F. I. L'vovich, S. A. Zaitseva, A. G.
Morozovskii. *Zhur. prikl. khim.* 40 no. 4:828-832
Ap '67.
Rapid determination of the volume of sulphate ions in
fertilizers by the new nitrobenzamide indicators. N. N.
Bazargin, T. G. Akimova. *Agrokhimia* no. 5:123-125
Ny '67.
Synthesis of some sulfates in connection with paragenesis
of sulfur and oil. N. T. Vinnichenko-Ukionkatska. *Nauch.*
trudy TashGU no. 273:26-29 '66.
System $(NH_4)_2SO_4 - MgSO_4 - ZnSO_4 - H_2O$ at 25°C. V. G.
Shechuk, L. L. Kost' Zhur. neorg. khim. 12 no. 1
1069-1074. *Ap* '67.
- SULFIDES**
(see also subdivision under Lena Valley)
Differential mobility of components during the formation
of sulfide copper-nickel ores. M. N. Golovinski. *Geol.*
rud mestorozh. 9 no. 2 17-31 '67.
- SULFIDES—METALLURGY**
Treatment of lead-copper-zinc pyrite sulfide ores con-
taining secondary copper sulfides. V. A. Nagaenko,
TSvet. met. 34 no. 7 1-3. *Il* '61.
- SULFITE LIQUOR**
Content of furfural in liquors from the pulping of
hardwood with various pulp yields. N. V. Glushchenko,
V. N. Adzhigatova. *Sbor. trud. NIIGS* 15:143-146 '66.
Development of mycelial fungi on media of the hydrolysis
and sulfite pulp industries. G. S. Rodionova and others.
Gidroliz. i lesokhim. prom. 20 no. 3 7-9 '67.
Firkovich, B. S. [Automation of the hydrolysis industry
and processing of sulfite liquor] Avtomatizatsiya gidro-
litsnogo proizvodstva i pererabotki sulfitnykh shchelok-
kov. Moskva, Lesnaya promyshl., 1967. 236 p.
Growing of food yeast on sulfite liquor with soluble bases.
T. N. Semushina, N. I. Monakhova. *Sbor. trud. NIIGS*
15 88-94 '66.
- SULFITES**
General equation of the rate of oxidation of sulfite-bisul-
fite solutions in the process of recovering SO_2 from gas-
es. B. A. Chertkov. *Zhur. prikl. khim.* 34 no. 4:771-
776. *Ap* '61.
- SULFOCARBONS**
Decontamination of waste waters of coke chemical plants
by means of sulfo carbon. I. I. Rashkevich, V. I. Dal'
Ukr. khim. zhur. 33 no. 2, 205-207 '67.
Rapid removal of acid from freshly loaded sulfo carbon.
M. T. Molchadskii. *Energetik* 15 no. 3:24. *Ma* '67.
- SULFOMETHAZINE—PHYSIOLOGICAL EFFECT**
Comparative evaluation of some aspects of the antiana-
phylic effect of amilof and diminofen. *Farml. i toks.*
30 no. 2 148-152. *Mr.-Ap* '67.
- SULFONAMIDES**
Sensitivity of microflora of the upper respiratory tract
to sulfonamide drugs. M. Sh. Mil'man. *Zhur. nat. i. nos.*
igorl. bol. 29 no. 2:13-17. *Mr.-Ap* '60.
- SULFONES**
Mechanism of Smiles rearrangement of o-methyldiaryl
sulfones; rearrangement of dimethyl sulfone. V. N.
Drord, V. I. Shechenko. *Zhur. org. khim.* 3 no. 3 554-
561. *Mr* '67.
- SULFONIC ACIDS**
Alkanesulfonic acids. Part 35: Reaction of α - and β -
chloroethane sulfochlorides with aniline. A. G. Kos-
sova, L. F. Maslova, I. V. Ol'gett. *Zhur. org. khim.* 3
no. 4:668-669. *Ap* '67.
Derivatives of arene-N-alkyliminosulfonic acids. D. S.
Levchenko, L. N. Markovskii, A. V. Kirsanov. *Ukr.*
khim. zhur. 33 no. 3, 337-338 '67.
Instability constants of zinc complexes with some dimer-
captoulkanesulfonic acids. A. T. Filipenko, O. P. Rila-
bushko. *Ukr. khim. zhur.* 33 no. 4 403-408 '67.
- SULFUR**
Effect of sulfur containing fertilizers on the accumulation
of nitrogen in legumes. V. A. Shirshov, I. V. Paikova.
Agrokhimia no. 5:86-70. *My* '67.
Reaction of sulfur with organic compounds. Part II:
Reaction of sulfur with aliphatic mono- and diamines in
aqueous medium. M. G. Voinikov, A. I. Legzdyn'.
Zhur. org. khim. 3 no. 3 465-470. *Mr* '67.
- SULFUR—PHYSIOLOGICAL EFFECT**
Some data on biochemistry of sulfuric preparations. A. B.
Gukasian. *Trudy Mosk. vet. akad.* 16 141-143. *57*
- SULFUR BACTERIA** see Bacteria, Sulfur
- SULFUR DIOXIDE**
Absorption of sulfuric acid anhydride by a solution of
ammonium sulfite-bisulfite in a reflux Venturi pipe. B. P.
Volgin, T. F. Efimova, M. S. Goffman. *Khim. prom.* 43
no. 2:52-56. *F* '67.
General equation of the rate of oxidation of sulfite-bisul-
fite solutions in the process of recovering SO_2 from gas-
es. B. A. Chertkov. *Zhur. prikl. khim.* 34 no. 4:771-
776. *Ap* '61.
- Studying statistical characteristics of the process of pro-
ducing a 100% SO_2 from ammonium bisulfite. L. S. Ger-
deev, R. A. Chertkov. *Khim. prom.* 43 no. 2 40-51. *F*
'67.
- SULFUR ISOTOPES** see subdivision under Chir Valley
- SULFUR ORES** see subdivision under Dnieper-Donets
Lowland
- SULFURIC ACID**
Automatic supply of concentrated sulfuric acid to reac-
tion vessel. I. A. Dudchenko, A. E. Maslov, I. A. Min-
kovskii. *Mekh. i avtom. proizv.* 21 no. 4:9-10. *57*.
Composition of products of the interaction of adipic acid
with diluted sulfuric acid. R. A. Kisileva, M. S. Duck'.
Khim. prom. 43 no. 2:21-22. *F* '67.
Formation of furfural from pentosan-containing raw
material in the presence of sulfuric acid at atmospheric
pressure. N. P. Melnikov, V. A. Zheliukhina. *Sbor.*
trud. NIIGS 15 108-120 '66.
Study of chemical transformations of 3,3'-dipyridyl-5-
sulfuric acid. O. S. Otroshchenko, I. V. Kurbatov, A. S.
Sadykov. *Nauch. trudy TashGU* no. 286, *Khim. nauki*
no. 16 88-91 '66.
Study of various designs of back pressure valves for the
feeding of sulfuric acid into hydrolyzers. E. A.
Adamovich and others. *Sbor. trud. NIIGS* 15:236-262. *57*
Sulfuration of 3,4'-dipyridyl by sulfuric acid. O. S. Otr-
shchenko, A. A. Zlatev, A. S. Sadykov. *Nauch. trudy*
TashGU no. 286. *Khim. nauki* no. 16 85-87 '66.
Thermal effect of interaction between butylenes and sul-
fite acid. N. I. Vishnevskii and others. *Zhur. prikl. khim.*
34 no. 4:920-926. *Ap* '61.
Use of low-concentration sulfuric acid in the tarperating
of pine. F. I. Petekhov, I. A. Frolov, Gidroliz i
lesokhim. *prom.* 20 no. 3 23-24 '67.
- SULFURIC ACID—CONGRESSES**
Conference on the manufacture of sulphuric acid by cor-
tactless process. A. S. Solov'eva. *Zhur. VKhO* 12
no. 2 234-235 '67.
- SULTONES**
Formation of β -trichloromethyl- β -ethanesulfone through
sulfone in situ. I. I. Luknitskii, B. A. Vovsi. *Dokl.*
AN SSSR 172 no. 6 1327-1328. *F* '67.
- SULTEPE OIL FIELD—OIL FIELD FLOODING**
Practicability of incremental production of Sub-Kirmakli
series of Sultepe field. G. S. Aliolli, Kh. G. Arullin.
Geol. nefi i gaza 11 no. 3:48-53. *Mr* '67.
- SULY (KAZAKHSTAN)—GRAIN TRADE**
Collective of the Suly Grain Receiving Station organizes
well the receiving, distribution, and storage of grain.
S. Karabanov. *Muk. i elev. prom.* 33 no. 3, 5-6. *Mr* '67.
- SUN**
Pressure field variations over the northern hemisphere
within the eleven-year solar cycle. P. S. Gasiukov,
N. P. Smirnov. *Dokl. AN SSSR* 173 no. 3:567-569.
Mr '67.
- SUN—FLOCCULI**
Outbursts of the comet Alond-Roland 1957 III and the
solar activity. Kh. Kh. Jaddinov. *Bul. Inst. ast. fiz.*
AN Tadzh. SSR no. 41/42:44-46 '66.
- SUN—OBSERVATIONS**
Observations of the sun and planets with the vertical
circle at the Pulkovo Observatory. G. S. Kosin. *Izv.*
GAO 24 no. 3 16-21 '66.
- SUNFLOWER SEED**
Lipids in the hulls of oil-rich sunflower seeds. V. G.
Shcherbakov, P. I. Kudinov. *Izv. vys. ucheb. zav. pishch.*
tekhn. no. 2:21-24 '67.
Relation between the yield of the nuclei of sunflower
achenes and their oil content. A. B. D'jakov. *Sbor.*
rab. po masl. i efim. masl. kul't. no. 1:9-13 '65.
- SUNFLOWER SEED—DRYING**
Use of the pulse method in the drying of sunflower seeds.
N. V. Trubitsyn, E. E. Vdovkin. *Izv. vys. ucheb. zav.,*
pishch. tekhn. no. 2:57-60 '67.
- SUNFLOWER SEED OIL—PHYSIOLOGICAL EFFECT**
Effect of parental introduction of sunflower oil on the
development of a tumor. M. I. Vysheislavova. *Bul.*
eksp. biol. i med. 63 no. 5:84-85. *My* '67.
- SUNFLOWERS**
(see also subdivision under Krasnodar Territory;
Siberia; Tambov Province)
Methods of mechanized care in sunflower fields. Z. Bor-
sonik, A. Salo. *Zer. i masl. kul't.* 2 no. 5:36-37 '67.
Pustovolt, V. S. [Selected works: plant breeding, seed
production, and some problems concerning the cultiva-
tion of sunflowers] Izbrannye trudy; selektsiya, semen-
vodstvo i nekotoryye voprosy agrotekhniki podsolnechni-
ka. Moskva, Kolos, 1966. 367 p.
(CU)
Sunflower as a high-profitable crop. P. A. Radin. *Sbor.*
rab. po masl. i efim. masl. kul't. no. 1:74-78 '66.

- SUNFLOWERS—DISEASES AND PESTS** see subdivision under East Kazakhstan Province
- SUNFLOWERS—FERTILIZERS AND MANURES**
Response of sunflowers to fertilizers. B.K. Ignatyev, Shor, tab, po masl. i chumal, kull. no. 1:53-58 '66.
- SUNFLOWERS—VARIETIES**
New early varieties of sunflowers "Kubanka", "Vostok", and "Krasnodar". A.I. Gindayev, Shor, tab, po masl. i chumal, kull. no. 1:5-8 '66.
- SUNSPOTS**
Connections between the intensity of the magnetic field and sunspot areas. R.N. Ikhshanov, Izv. GAO 21 no. 4:41-50 '66.
Some characteristics of the development of sunspot groups. I.U. Vitushkin, R.N. Ikhshanov, Izv. GAO 24 no. 4:20-10 '66.
- SUPERCONDUCTIVITY**
Effect of the degree of distortion of a metal crystal lattice on its superconductivity. B.G. Lazarev, E.E. Semenov, V.M. Kuz'menko, Fiz. met. i metalloved. 23 no. 4:651-654 Ap '67.
 J_c -H functions and experimentally determined regular features of the breakdown of the superconductivity of niobium by a current and a magnetic field. A.Kh. Chizhov, Zhur. tekhn. fiz. 37 no. 1:774-780 Ap '67.
Superconductivity in the contact region of two media. V.V. Chaplik, Fiz. tverd. tela 9 no. 3:701-703 Mi '67.
Superconductivity in the system Nb_3Al -MoAl. N.E. Alekseevskii, Dokl. AN SSSR 171 no. 3:553-556 Mi '67.
Superconductivity of solid solutions of transition metal carbides and nitrides. N.E. Alekseevskii, G.V. Samsonov, O.I. Shulishova, Izv. AN SSSR, Neorg. mat. 3 no. 1:61-66 Ja '67.
Theory of the tunnel effect in superconductors. I.O. Kulik, Izv. vyz. ucheb. zav., fiz. 10 no. 2:24-29 '67.
- SUPERCONDUCTORS**
Certain characteristics of the magnetization curves of inhomogeneous superconductors of the second order. A.F. Pikel, N.V. Volkenshtein, Fiz. met. i metalloved. 23 no. 4:741-743 Ap '67.
Electrodynamics of two-zone superconductors. The region near the upper critical field. V.A. Moskatenko, Dokl. AN SSSR 173 no. 3:846-849 Mr '67.
Electron tunneling in superconductors. G.I. Ushadze, Fiz. tverd. tela 9 no. 1:1192-1194 Ap '67.
Theory of autoelectronic emission in superconductors. G.A. Gogadze, I.O. Kulik, Fiz. met. i metalloved. 23 no. 4:606-615 Ap '67.
Ultrasonic wave absorption in superconductors taking into account the overlapping of energy bands. I.N. Fal'ko, Fiz. met. i metalloved. 23 no. 3:391-399 Mi '67.
- SUPERCONDUCTORS—THERMODYNAMICS**
Characteristics of superconductors with overlapping bands. B.T. Gellikman, I.O. Zaitsev, V.Z. Kiselev, Fiz. tverd. tela 9 no. 3:821-829 Mr '67.
- SUPERCONDUCTORS—MAGNETIC PROPERTIES**
Terminal critical magnetic fields in superconductive metals. B.G. Lazarev and others, Dokl. AN SSSR 165 no. 8:1275-1277 D '65.
- SUPERCONDUCTORS—THERMODYNAMICS**
Thermodynamics of two-region superconductors with nonmagnetic impurities. V.A. Moskatenko, Fiz. met. i metalloved. 23 no. 4:585-596 Ap '67.
- SUPERNOVAE**
Supernova in NGC 2276. S.G. Isakurarian, R.K. Shakhbuzian, Astr. otkrytiya 3 no. 1:133-135 F '67.
- SUPERSATURATED SOLUTIONS** see Solutions, Supersaturated
- SUPERSONIC AERODYNAMICS** see Aerodynamics, Supersonic
- SUPPURATION**
Characteristics of the course and treatment of suppurative surgical infections in elderly diabetes. V.D. Sokolovskii, Khirurgiya 43 no. 4:33-37 Ap '67.
Characteristics of the development of the exudative phase of aseptic inflammation in adrenalectomized animals. I.A. Ovin and others, Pat. fiziol. i eksp. terap. 11 no. 2:16-21 Mi-Apr '67.
Surgical treatment of suppurative pulmonary diseases in young children. A. Biezins, J. Gaujens, Khirurgiya 43 no. 4:43-47 Ap '67.
Treatment of some acute suppurative diseases associated with diabetes mellitus. A.V. Grigor'yan and others, Sov. med. 30 no. 3:103-107 Mr '67.
Vol'fkovich, M. I. [Chronic suppurative middle otitis] Khronicheskiy gnoyniy sredniy otit. Moskva, Meditsina, 1957, 129 p. (Biblioteka prakticheskogo vracha) (DNLM)
- SURAKHANY OIL FIELD—OIL FIELD BRINES—ANALYSES**
Hydrochemical characteristics of oil field brines of Surakhany series in Surakhany field. R.A. Khachiev, Izv. vyz. ucheb. zav., nef. i gaz. 10 no. 2:116 '67.
- SURAKHANY OIL FIELD—PETROLEUM PRODUCTION**
Some characteristics of development of Surakhany and Karachukhur oil fields in Apsheon Peninsula. S.T. Ovnatyanov, K.A. Karapetov, Geol. nef. i gaz. 11 no. 3:12-16 Mr '67.
- SUREY PROVINCE—EDUCATION**
Give the schools our constant attention and support. B.I. Vol'kov'skiy, Rad. shkol. 45 no. 1:21-27 Ap '67.
- SURFACE ACTIVE AGENTS**
Adsorption properties of natural bottom sediments in relation to synthetic anion surface active agents. V.T. Kaplin and others, Gid. khim. mat. 42:286-301 '66.
Corrosive properties of solubilized solution of sulfonal. V.E. Gubin, A.A. Emkov, Transp. i khim. nef. i nefteprod. no. 3:5-7 '67.
Deposition of indium on a mercury cathode in the presence of surface active substances. O.K. Kudina, T.V. Leontovich, V.G. Prikhodchenko, Uzb. khim. zhur. 33 no. 2:138-143 '67.
Effect of surface active substances on the kinetics of electroreduction of phenylglyoxalic acid. B.N. Mansurov, Elekt. khimiya 3 no. 2:204-207 '67.
Experimental study of pressure change in an annular space during circulation of two-phase foams. V.A. Amilan, M.N. Anashtev, Nefteprom. deto. no. 1:16-19 '67.
Infrared spectroscopic study of the interaction of surface active agents with pigments and fillers. A.V. Uvaiov, E.S. Priakhina, Lakokras. mat. i khim. pri om. no. 2:4-18 '67.
Mechanism underlying the action of apolar collectors and some surface active substances in foam flotation. V.I. Melik-Gadkhan, I.N. Plakstin, V.V. Voinichikhina, Dokl. AN SSSR 173 no. 4:1083-1086 Ap '67.
Mutual effect of surface active substances of different chemical structure in aqueous systems. P.A. Domchenko, B.S. Shapovalov, Dop. AN URSR, Ser. B. 29 no. 4:343-346 Ap '67.
Surface activity of sodium cholate, a biologically active semicollod. Z.N. Markina and others, Dokl. AN SSSR 173 no. 5:1132-1135 Ap '67.
- SURFACE CHEMISTRY**
Determining diffusion coefficients considering reaction kinetics at the interface. V.T. Borisov and others, Izv. AN SSSR, Met. no. 2:88-92 Mi-Apr '67.
Recombination of hot electron carriers on a metal surface of n-type germanium. S. Kalvunas, L. Khimka, J. Porein, Fiz. tverd. tela 9 no. 3:936-939 Mi '67.
- SURFACE ENERGY**
Calculating the surface energy of metals with a body-centered cubic lattice. I.I.S. Avramov, A.G. Gvozdev, Fiz. met. i metalloved. 23 no. 3:103-108 Mi '67.
Theoretical determination of the surface energy and electrochemical charge of liquid metal ions. E.S. Filippov, S.I. Filippov, Izv. vyz. ucheb. zav., Chern. mat. 10 no. 3:5-9 '67.
Theory of the surface energy and work function of an electron from a metal. S.N. Zhdumkin, Kh. B. Khokhlov, Fiz. met. i metalloved. 23 no. 3:565-568 Mr '67.
- SURFACE HARDENING**
Certain characteristics of hardened steel failure. V.D. Katkhin, P.O. Pashkov, Fiz. met. i metalloved. 23 no. 4:711-714 Ap '67.
Effect of welded joint surface hardening on resistance to brittle failure. M.M. Kabanikh, V.B. Shlapin, A.I. Davydov, Trudy TSNII MPS no. 3:23-27 '66.
- SURFACE TENSION**
On thixotropy, viscosity, and surface tension of germanium tetrachloride. L.A. Nisels'ona, T.D. Sokolova, P.P. Pugachevich, Zhur. neorg. khim. 12 no. 3:589-591 Mi '67.
Physicochemical properties of slags of the system $CaO-Al_2O_3-Me_2O$. Report No. 2. P.P. Evseev, A.F. Filippov, Izv. vyz. ucheb. zav., Chern. mat. 10 no. 3:55-59 '67.
Some features of the polytherms of the surface tension of water and aqueous solutions. A.N. Kirgintsev, I.N. Pfanov, Izv. AN SSSR, Ser. khim. no. 3:571-577 Mr '67.
Surface tension of aqueous alcohol solutions in the presence of natural and treated bentonite clays of Georgia. A. Vardukadze, Trudy Tbil. GU 74:193-201 '59.
Surface tension of aqueous solutions of salts near the point of transition of solution into the supersaturated state. A.N. Kirgintsev, I.N. Pfanov, Izv. AN SSSR, Ser. khim. no. 3:671-672 Mr '67.
- SURFACES**
A two-dimensional surface in four-dimensional affine-symplectic space. M.B. Vernikov, Mat. zap. Ural. mal. ob-va UrGU 5 no. 2:10-20 '65.
- SURGERY**
Combination of chemotherapy and surgical treatment of malignant tumors. A.N. Shabanov and others, Vop. onk. 13 no. 3:86-91 '67.
50th anniversary of Soviet surgery. N.I. Kravovskii, Sov. med. 30 no. 3:3-13 Mr '67.
- Latent infection in the lymphatic nodes in some surgical diseases. N.V. Shuben, Khirurgiya 43 no. 4:37-39 Ap '67.
Results of surgical treatment of echinococcosis. V.F. Vaitanin, Khirurgiya 43 no. 4:64-68 Ap '67.
Some aspects of the organization and planning of surgical aid in an enlarged rural district. D.K. Sokolov, Sov. med. 27 no. 8:94-97 Ag '63.
Training of surgical brigades for service on submarines. I.U. Vitushkin, Voen.-med. zhur. no. 4:69-70 Ap '67.
- SURGERY—COMPLICATIONS AND SEQUELAE**
Carrier state of pathogenic staphylococcus in the personnel of surgical wards and its detection in the pathological material from the patients. A.I.A. Veselov, Khirurgiya 43 no. 1:29-33 Ap '67.
Diagnosis and treatment of gastric cancer developing following surgery for ulcers. I.S. Poloschuk, Vop. onk. 13 no. 3:91-91 '67.
Kvashnin, I.U. K., and I.U. M. Pantishev. [Aftereffects of gastrectomy, pathophysiology, clinical aspects, treatment] Posledstviya gastrektomii, patofiziologiya, klinika, lechenie. Moskva, Meditsina, 1967. 250 p. (DNLM)
Pathogenesis of acute cardiac insufficiency following surgery on the open heart. V.I. Burakovskii, S.I. Kists, G.D. Knazeva, Vest. AMN SSSR 22 no. 4:61-71 '67.
Repeated acute intestinal obstruction. A.G. Isakhanov, Khirurgiya 43 no. 4:63-65 Ap '67.
Some infectious complications in surgical diseases and diseases of the hematopoietic system. A.N. Chislovich, Voen.-med. zhur. no. 3:20-23 Mi '67.
Staphylococcal infection in surgery: diagnosis and treatment. V.M. Svetovidova, Khirurgiya 43 no. 4:21-28 Ap '67.
Treatment of postoperative complications in increased pressure chambers. A.P. Kolesov and others, Khirurgiya 43 no. 1:3-7 Ap '67.
- SURGERY, OPERATIVE**
Selection of the method of inguinal herniotomy. A.I. Baryshnikov, Sov. med. 30 no. 3:80-85 Mi '67.
Treatment of paraneuritis. M.L. Korikov, Khirurgiya 43 no. 1:102-105 Ap '67.
Volodin, B.G. [On the way to the improbable] Na puti k neveroiatnomu. Moskva, Znaniye, 1967. 301 p.
- SURGERY, PLASTIC**
Alloplasty of postoperative and recurrent hernias. D.M. Tseitstman, Sov. med. 30 no. 3:89-91 Mi '67.
- SURGEONS** see subdivision under Azerbaijan
- SURGICAL INSTRUMENTS AND APPARATUS**
Modification of a rhinoscope to facilitate galvanocautery of the nasal conchae. I.U. M. Gureev, Zhur. uresh. nos. i gol. bol. 20 no. 2:87 Mr-Apr '60.
New instruments for emergency tracheotomy. A.G. Amirov, Zhur. uresh. nos. i gol. bol. 20 no. 2:85-86 Mr-Apr '60.
- SURGICAL OPERATIONS** see Operations, Surgical
- SURKHAN DARYA VALLEY—VEGETABLE GARDENING**
Surkhany darya vegetable growers present their bill. Ekho i zhizn' 9 no. 3:88-90 Mr '67.
- SURVEYING**
Nomograms for corrections in plotting construction network. I.M. Dmitriyenko, Geod. i kart. no. 3:10-12 Mi '67.
Surveyor's work in petroleum production industry. V. Goldsman, Izv. vyz. ucheb. zav., nef. i gaz. 10 no. 2:115 '67.
- SURVEYING—SAFETY MEASURES**
Pay greater attention to safety measures in field work. P.I. Remizov, Geod. i kart. no. 3:3-6 Mi '67.
- SUSPENSION BRIDGES** see Bridges, Suspension
- SUSPENSION OF EMPLOYEES** see Employees, Suspension of
- SUSPENSIONS (CHEMISTRY)**
Effect of calcium hydroxide on structure formation of clay suspensions. F.D. Ovcharenko, E.G. Agabekian, V.I. Riabchenko, Uzb. khim. zhur. 33 no. 4:377-379 '67.
Effect of exchange "cations" on the value of the potential of sekanite and gumbrin suspensions. A. Vardukadze, Trudy Tbil. GU 74:203-209 '59.
Effect of the concentration of a suspension on the specific resistance of the precipitate during filtration. I.U. Vitushkin, V.A. Zhuzhikov, Khim. prom. 43 no. 5:68-71 Mi '67.
Electromagnetic properties of a colloidal suspension of nickel in paraffin. I.U. I. Petrov, I.U. I. Fedorov, Zhur. tekhn. fiz. 37 no. 4:726-728 Ap '67.
Stabilization of clay suspensions during ultrasonic treatment and the effect of electrolytes. M.M. Krutitskiy and others, Dop. AN URSR no. 10:1336-1339 '65.

SUSUNAY VALLEY—FERTILIZERS AND MANURES

Studying the effectiveness of the various forms of phosphorus fertilizers on turf-meadow soils in the Susunay (Yuzhno-Sakhalin) Valley. A. M. Ivic, R. A. Zerkova. *Agricultural* no. 5:51-56 May '67

SUTURES

Late result following primary suture of neurovascular bundle on the level of the middle third of the right forearm. D. M. Bagirov. *Azerbaijani medical journal* 44 no. 4 87-88 Apr '67

SUVOROV, ALEKSANDR VASIL'EVICH, 1729?-1800—MUSEUMS, RELICS, ETC.

Malysheva, V. P. [Konchanskoye-Suvorovskoye; the A. V. Suvorov Museum and National Park] Konchanskoe-Suvorovskoe, Muzei i zapovednik A. V. Suvorova. [Leningrad] Lenizdat, 1967 50 p. (Turists o Novgorode)

SVANETIA—GEOLOGY, STRATIGRAPHIC

Stratigraphic division of Deal series of Svanetia (central Caucasus) M. L. Sorlin, A. V. Belov. *Bull. MOIP, Old geol* 42 no. 1:40-16 Jan-F '67

SVERDLOVSK—CHOCHEERRY

Transplantation of adult Prunus maackii N. M. Scholova. *Zap. Sverd. otd. VBO* no. 1:181-183 '66.

SVERDLOVSK—EDUCATION, SECONDARY

The subject system of planning the training of students in workshops. V. N. Zaplatin, A. G. Kuznetsov. *Shkola i protiv.* 11 no. 1:20-26 Jan '67

SVERDLOVSK—TELEVISION PROGRAMS

Procrustes' bed of the genre. V. Petrov. *Sov. radio i tel.* 9 no. 5:10 '60

SVERDLOVSK—VOCATIONAL EDUCATION

Council of directors of technical and vocational schools. *Sred. shkola* 14 no. 3:12-13 Mar '67

SVERDLOVSK, BATTLE OF

They will live forever. N. Grigor'eva. *Radio* no. 2:3-4 Feb '67.

SVERDLOVSK PROVINCE—FOREST ECOLOGY

Age of peat bogs and formation of forest vegetation in the subzone of northern taiga, the Loz'va-Pelym interfluvium. V. I. Makovskii. *Zap. Sverd. otd. VBO* no. 4:53-63 '66.

SVERDLOVSK PROVINCE—PEAT BOGS

Age of peat bogs and formation of forest vegetation in the subzone of northern taiga, the Loz'va-Pelym interfluvium. V. I. Makovskii. *Zap. Sverd. otd. VBO* no. 1:55-63 '66.

SVERDLOVSK PROVINCE—PINE

Canopy regeneration in virgin swampy pine forests and the elements of climate. G. C. Komin. *Zap. Sverd. otd. VBO* no. 4:175-178 '66.

SVERDLOVSK PROVINCE—PLANKTON

Plankton of Lakes Shartash, Baltym, Isotskoye and Polovinnoye. I. V. Kozlova. *Trudy Ural. otd. Gosnizhorg* 6:171-179 '64.

SVERDLOVSK PROVINCE—RABBITS

Role of procurement organizations in development of rabbit raising. B. D. Babak. *Trudy Mosk. vet. akad.* 16 30-36 '57.

SVERDLOVSK PROVINCE—SEISMIC PROSPECTING

Results of using controlled directional sensitivity method in platform conditions of southern slope of Karpinsk. S. A. I. A. Brodskii, Neftegaz, geol. i geofiz. no. 3: 31-34 '67.

SVETLOGORSK (KALININ PROVINCE)—PEAT INDUSTRY—MANAGEMENT

Experience in organizing the stock taking of milled peat production at the Svetlogorsk Enterprise. I. A. Britov. *Prof. prom.* 44 no. 2:31-33 '67.

SWALLOWS see subdivision under Asia, Central

SWAMPS

Biogeocenological study of bogs. N. I. Pavlenko. *Lesovedeniye* no. 2:37-45 '67

SWEAT GLANDS

Types of the structure of sweat and sebaceous glands in Bushuevskii Black and White cows. T. Ikramov, A. A. Atbash'tan. *Trudy UzNIIZH* no. 4:89-99 '59.

SWEAT GLANDS—TUMORS

Syringadenoma. A. K. Apatenko. *Arkh. pat.* 29 no. 3:22-30 '67.

SWEDEN—MARINE ENGINES

Some indices of the use of Gotaverken engines. G. F. Levshin. *Ryb. khoz.* 43 no. 3:14-15 '67.

SWITCHING CIRCUITS

Method for increasing the response of switching circuits using thermistors. V. P. Budianov, N. P. Udalov. *Avtom. i telem.* no. 4:171-172 Apr '67.

Switching potential in thyristors. V. A. Kuz'min. *Radio- i elektron.* 12 no. 4:764-765 Apr '67.

Synthesis of switching circuits with ferrite transistor components using functional decomposition. V. P. Vashchenko. *Avtom. i telem.* no. 1:116-122 Apr '67.

SWIMMING

New developments in classifying underwater swimmers. V. Efremov. *Voen. znaniya* 43 no. 3:46 Mar '67.

Swimming accommodation in scale ostracoderms of the subclass Heterostacii. V. N. Likovlev. *Dokl. AN SSSR* 173 no. 3:722-724 Mar '67.

SWINE

Neural regulation of the processes of ovulation, the migration, implantation, and development of the embryo in swine. I. I. Ivanovskii. *Trudy UzNIIZH* no. 4:109-118 '59.

SWINE—DISEASES AND PESTS

Fusariosis of swine. T. L. Burdakov, N. A. Kukan. *Izv. TSKhA* no. 1:143-157 '66.

Virus etiology of pneumonia in swine. T. L. Kal'sova. *Vestnik AN BSSR, Ser. sel'sk. nav.* no. 1:121-125 '67.

SWINE—FEEDING AND FEEDS

(see also subdivision under Kazakhstan, Tashkent Province, White Russia)

Effect of vegetable feeds on the chemical and physico-chemical indicators of pork. L. L. Zhukova. *Mus. ind. SSSR* 38 no. 4:38-39 Apr '67.

SWITZERLAND—MERCERIZATION

Chainless mercerizing machine of the "Benninger" Plant. V. P. Koretko. *Tekstil. prom.* 27 no. 2:58-61 Feb '67.

SYDNE IMINE

Mechanism of splitting of 3-arylsydnone imines in hydrochloric acid. L. E. Kholodov, V. G. Ashenskii. *Zhur. ob. khim.* 37 no. 3:670-672 Mar '67.

SYENITE see subdivision under Gissar Range

SYMBOLISM IN LITERATURE

Symbolic and allegoric images in literature at the beginning of the 17th century. N. I. Prokof'iev. *Uch. zap. MGPI* 246 29-44 '66.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMPATHETIC NERVE

Effect of partial sympathectomy on the formation of photogenic catalase. I. G. Kainanova. *Fiziol. zhur.* 18 no. 7:795-805 July '62.

Effect of the cervical sympathetic nerve on evoked potentials of the cortex and reticular formation in the non-anesthetized cat. O. G. Baklavadzhian, S. A. Arutunian. *Fiziol. zhur.* 48 no. 7:806-812 July '62.

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPATHOMIMETIC AGENTS

Content of catechol amines in organs of animals poisoned from acute radiation sickness. V. I. Kulinskii, L. S. Kustukovskaya. *Bull. eksp. biol. i med.* 63 no. 4:50-60 Apr '67.

Effect of catechol amines and hormones of the adrenopituitary system on the electrical activity of the brain in rabbits. Kh. M. Markov. *Fiziol. zhur.* 49 no. 10:1137-1144 Oct '63.

SYNAPSES

Cellular activity of neuronal isolated cortex in a chronic experiment. M. M. Khananashvili, N. N. Vasilevskii, N. S. Burakova. *Zhur. vys. nerv. deiat.* 17 no. 2:368-370 Mar-Apr '67.

Electric properties of neurons and synaptic transmission in the sympathetic ganglion. V. I. Skok, V. Savich. *Fiziol. zhur.* 53 no. 4:377-384 Apr '67.

SYNCHRONOUS ELECTRIC MACHINERY see Electric machinery, Synchronous

SYNCHRONOUS ELECTRIC MOTORS see Electric motors, Synchronous

SYNCHROTRON

(see also subdivision under Erivan)

Electron synchrotron "Shilua" of the Tomsk Polytechnic Institute. A. A. Vorob'ev and others. *Izv. vys. ucheb. zav. i fiz.* 10 no. 2:162 '67.

[Synchrotron radiation] Sinkhrotronnoye izlucheniye. Moskva, Nauka, 1966. 227 p.

The 300 MeV synchrotron of the Tomsk Polytechnical Institute. V. P. Anokhin and others. *Izv. vys. ucheb. zav. i fiz.* 10 no. 2:163 '67.

SYNCHYTRIUM

Effect of fertilizers and liming of the pond scum parasite Synchytrium endobioticum (Schilb.) Perc. L. A. Sakalova. *Vestnik AN BSSR, Ser. sel'sk. nav.* no. 1:60-62 '67.

SYNOVIAL MEMBRANES—BLOOD SUPPLY

Vascularization of tissues in experimental dystrophy and deformations of the knee joint. G. D. Kuz'min. *Ortop. i travm. protiz.* 28 no. 4:44-45 Apr '67.

SYSTEM ANALYSIS

Chain connection of open systems with respect to communication channels. M. Sh. Tjeksei, T. G. Fur'. *Funk. anal. i kh. pilozh.* no. 3:209-218 '66.

SYSTEMS (CHEMISTRY)

Application of salt-antagonist principles to the analysis of diagrams of composition of quaternary reciprocal systems. V. A. Ocheretnyy, A. G. Bergman. *Ukr. khim. zhur.* 33 no. 3:270-281 '67.

Crystal chemical interpretation of some intermediate phase in the systems CaO - HfO_2 (ZrO_2) and TiO_2 - TiO_2 (ZrO_2). I. A. Piatenko. *Dokl. AN SSSR* 173 no. 3:634-637 Mar '67.

Determination of salt system solidus by means of differential thermal analysis and electric conductivity. V. P. Burmistrova, E. G. Volozhanina, L. I. Markova. *Zhur. neorg. khim.* 12 no. 3:784-788 Mar '67.

Diagram of refractive index - composition for binary liquid systems. I. U. A. Fialkov, N. I. Piatogorskaya. *Ukr. khim. zhur.* 33 no. 4:477-488 '67.

Effect of mixing on the process of chemical transformation in the system gas-liquid. I. S. Pavlushenko, L. N. Biaginskii, V. N. Bilyov. *Zhur. prikl. khim.* 34 no. 4:805-815 Apr '61.

Feasibility diagram of the system MnCl_2 - NiCl_2 . A. G. Kozhukov, K. G. Khomolev. *Zhur. neorg. khim.* 12 no. 3:789-790 Mar '67.

Feasibility diagrams of ideal binary systems with electrical interaction. Part 4. E. V. Abramov. *Izv. AN Kazakh. SSR, Ser. khim.* 17 no. 2:19-26 Mar-Apr '67.

Feasibility of quaternary reciprocal systems consisting of niobium and aluminum oxychlorides and sodium and potassium chlorides. O. R. Gavrilov, L. A. Niselskaya, A. A. Shukov. *Zhur. prikl. khim.* 40 no. 4:762-767 Apr '67.

Molar-additive properties in the physicochemical analysis of binary liquid systems. I. U. A. Fialkov. *Zhur. prikl. khim.* 41 no. 4:761-768 Apr '67.

New type of azeotropic reciprocal systems consisting of 16 salts. V. I. Posypaiko. *Zhur. neorg. khim.* 12 no. 4:1080-1086 Apr '67.

Quaternary reciprocal system consisting of fluorides, chlorides, and nitrates of sodium and potassium. R. N. Nizhkovskaya. *Zhur. neorg. khim.* 12 no. 4:1075-1079 Apr '67.

Reaction of gallium chloride with niobium and molybdenum pentachlorides. P. I. Fedotov, L. P. Khagleva. *Zhur. neorg. khim.* 12 no. 3:818-819 Mar '67.

Relationship between solubility isotherms in ternary reciprocal systems at different ways of expression of concentration. Part 4: Weight fractions (weight percents) and molar fractions (molar percents). Relation (linear) between concentrations of saturated and unsaturated component at one of the ways of expression of concentration. V. I. A. Anosov. *Zhur. ob. khim.* 37 no. 3:539-543 Mar '67.

Solubility isotherm of the system HbCl - ICl_3 - HCl - H_2O at 0°C. A. A. Fakееv, B. D. Stepin. *Zhur. neorg. khim.* 12 no. 3:800-812 Mar '67.

Study of the interaction of KOH + Na_2K + NaOH in the 300-500°C temperature range. E. M. Mil'evich, B. A. Shikhov. *Zhur. neorg. khim.* 12 no. 4:1041-1044 Apr '67.

System $\text{CO}(\text{NH}_2)_2$ - $\text{Ca}(\text{NO}_3)_2$ - H_2O . A. G. Bergman, M. V. Maikina. *Zhur. neorg. khim.* 12 no. 3:801-803 Mar '67.

System LiCl - MgCl_2 - CaCl_2 - H_2O at 25°C. V. G. Shevchuk, M. I. Vaisfeld. *Zhur. neorg. khim.* 12 no. 4:1061-1068 Apr '67.

System Na^+ , K^+ , Ca^{2+} F⁻. G. A. Bukhalova, D. V. Semakova. *Zhur. neorg. khim.* 12 no. 3:785-800 Mar '67.

System $(\text{NH}_4)_2\text{SO}_4$ - MgSO_4 - ZnSO_4 - H_2O at 25°C. V. G. Shevchuk, L. L. Kost'. *Zhur. neorg. khim.* 12 no. 4:1069-1074 Apr '67.

System 2Na^+ + NaOH + Na_2O + NaH . B. A. Shikhov. *Zhur. neorg. khim.* 12 no. 4:1035-1040 Apr '67.

Systems Li , K , Cs Br and Li , K , Rb Br. G. G. Diogenov, V. I. Ermachkov. *Zhur. neorg. khim.* 12 no. 3:827-829 Mar '67.

Ternary systems niobium - benzenium - carbon and tantalum - rhenium - carbon. L. V. Goshkova, T. F. Fedorov, I. B. Kuz'ma. *Porosh. met.* 7 no. 4:42-45 Apr '67.

Types of singular stars of quaternary reciprocal systems 3/3 formed by Li, Na, K, and Rb cations and F⁻, Cl⁻, Br⁻, I⁻, NO_3^- , SO_4^{2-} anions. V. I. Posypaiko. *Zhur. neorg. khim.* 12 no. 4:1045-1048 Apr '67.

SYSTEMS (CHEMISTRY)—THERMODYNAMICS

Thermodynamic equilibrium calculations for the system carbide - oxygen. R. F. Volkovich, N. P. Shakhanova. *Porosh. met.* 7 no. 4:46-53 Apr '67.

SYSTEMS (CHEMISTRY)—THERMODYNAMICS (Continued)

Thermodynamic study of the ternary systems water - benzene - tri-n-butyl phosphate and water - chloroform - tri-n-butyl phosphate. V. A. Mikhailov, S. K. Khachaturov, L. I. Ponomareva, Zhur. fiz. khim., 41 no. 9, 822-829 Ap '67.

Thermodynamics of the system lead - slag - oxygen. A. N. Kletkovskii and others. Trudy Inst. met. i obog., AN Kazakh SSR 19 88-91 '66.

SYRIAN ARAB PROVINCE—SEROZEM

Composition and properties of individual fractions of the mechanical composition of light serozem. N. N. Aslanov. Nauch. trudy TashGU no. 201 5-15 '68.

SYRIA

At the world map. The Syrian Arab Republic. IU, Valentinov. Mezhdunar. izm. 11 no. 5 141-147 '67.

SYRIA—DESCRIPTION AND TRAVEL

Troubled spring. D. Vol'skii. Nov. vrem., 25 no. 22-14-16 My '67.

SYRIA—LABOR AND LABORING CLASSES

The workers of Syria. V. Vavilov. Az. i Afr. seg., 10 no. 518-9 My '67.

SYRIA—PATENT LAWS AND LEGISLATION

Basic principles of the patent legislation of the Syrian Arab Republic. B. S. Khelifets. Vop. izobr. no. 2 19-20 P '67.

SYRIA—POLITICS

Troubled spring. D. Vol'skii. Nov. vrem., 25 no. 22-14-16 My '67.

SYRIA—TRADE UNIONS

The workers of Syria. V. Vavilov. Az. i Afr. seg., 10 no. 518-9 My '67.

TACHINIDAE

Review of parasitic tachinid flies of the genus Eriothrix Mg. (Diptera, Tachinidae) in the U. S. S. R. N. G. Kolomoets. Ent. obozr. 46 no. 1-241-258 '67.

TACTICS—STUDY AND TEACHING

Kirillov, B. N., and M. D. Shestakov. [Studies on tactical training in a sand box.] Zaniatlia po takticheskoi podgotovke na lishchike s peskom. Moskva, Voenizdat, 1967, 77 p.

TAENIA

Tricent of Taeniarhynchus infestations. M. A. Shukhmanov and others. A. er. b. med. zhur., 44 no. 4, 13-45 Ap '67.

TAGANROG—LECTURES AND LECTURING

Working with every one of them. V. N. Veter, I. A. G. Grishkov, V. I. Lomakin. Vest. vys. shkoly 25 no. 3: 53-55 Mi '67.

TAGANROG—RUSSIAN LITERATURE—STUDY AND TEACHING

Analyzing the language and contents of lyrical poems. I. A. Agel'm, G. N. Rakitchenko. Nach. shkola 35 no. 4-24-22 Ap '67.

TAGANROG—STUDENT ACTIVITIES

Working with every one of them. V. N. Veter, I. A. G. Grishkov, V. I. Lomakin. Vest. vys. shkoly 25 no. 3: 53-55 Mi '67.

TAIGAS see subdivision under Ural Mountains

TAILINGS (METALLURGY)

Preparation of bismuth from retreatment tailings of tungsten ore dressing products. V. A. Skorov, S. I. Sobol'. 15vet. met., 34 no. 7, 19-27 Ji '61.

TAJIK DEPRESSION—GAS, NATURAL—GEOLOGY

Structure of Tajik Depression along roof of Bukhara layers, and evaluation of oil and gas potentials of individual areas. E. V. Lebzina, V. I. Ushin. Neftgaz. geol. i geofiz., no. 2, 3-5 '67.

TAJIK DEPRESSION—PETROLEUM GEOLOGY

Structure of Tajik Depression along roof of Bukhara layers, and evaluation of oil and gas potentials of individual areas. E. V. Lebzina, V. I. Ushin. Neftgaz. geol. i geofiz., no. 2, 3-5 '67.

TAJIKISTAN—AGRICULTURAL WORKERS—DISEASES AND HYGIENE

In Tajikistan valleys. A. Khaidarov. Okhr. truda i sots. strakh. 10 no. 4, 16-8 Ap '67.

TAJIKISTAN—COLLECTIVE FARMS

Historiography of the solution of the agrarian problem in Tajikistan on the eve of the mass collective farm movement. R. Masov. Izv. AN Tadzh. SSR, Otd. obshchestv. nauk no. 3 19-25 '66.

TAJIKISTAN—COTTON—FERTILIZERS AND MANURES

Economic effectiveness of mineral fertilizers on cotton growing farms in Tajikistan. M. Tashmatova. Khim. v sel' khoz., 5 no. 4, 70-71 Ap '67.

TAJIKISTAN—COTTON GROWING

Stolskii, V. N. [Intensification of cotton growing in Tajikistan.] Intensifikatsiya khlopkovodstva Tadzhikistana. Dushanbe, Irion, 1965, 42 p. (DNAL)

TAJIKISTAN—HYDRAULIC STRUCTURES

Laboratory studies of the water-supply station under construction on the river Karatag in Tadzhikistan. Z. N. Danilova, V. A. Maglakidze. Trudy GPI [Gruz.] no. 2 77-83 '64.

TAJIKISTAN—IRRIGATION

In Tajikistan valleys. A. Khaidarov. Okhr. truda i sots. strakh. 10 no. 4, 6-8 Ap '67.

TAJIKISTAN—LAND TENURE

Historiography of the solution of the agrarian problem in Tajikistan on the eve of the mass collective farm movement. R. Masov. Izv. AN Tadzh. SSR, Otd. obshchestv. nauk no. 3 19-25 '66.

The problem of the role of the land and water commissions in realizing the agrarian policy of the Soviet regime in the Tajik A. S. S. R. 1926-1929. G. Navruzov. Izv. AN Tadzh. SSR, Otd. obshchestv. nauk no. 1 26-33 '66.

TAJIKISTAN—LEMON

Trunk culture of Villafraia lemon on rootstocks grown from cuttings of Meyer's lemon in Tajikistan. Subtrop. kul't., no. 4, 26-31 '66.

TAJIKISTAN—POLITICS AND GOVERNMENT

From the history of strengthening the Tajik Soviets according to the constitution of the U. S. S. R. of 1936. G. L. Belinskii. Izv. AN Tadzh. SSR, Otd. obshchestv. nauk no. 3 3-9 '66.

TAJIKISTAN—REVOLUTION OF 1905

Karimov, T. [Tajikistan during the revolution of 1905-1907.] Tadzhikistan v period revoliutsii 1905-1907 gg. Dushanbe, 1965, 66 p. (CST-H)

TAJIKISTAN—WINE AND WINE MAKING

Kiselev, N. A. [Wine making regions and wines of Tajikistan.] Vinodel'cheskie raiony i vina Tadzhikistana. Moskva, Pishcheval. promyshl., 1967, 126 p. (Vinodel'che i vina SSSR)

TAKYR see subdivision under Muigab Delta

TALES, WHITE RUSSIAN

[The wonder; White Russian folk tales.] Divo; beloruskie narodnye skazki. Minsk, "Belarus", 1966, 94 p.

TALLINN—INDUSTRIAL MANAGEMENT

There should be an individual approach to work. Agitator 34 no. 8, 34 Ap '67.

TALLINN—MACHINERY INDUSTRY—MANAGEMENT

Nine months under new conditions. M. S. Vinogradova. Mashinostroi' no. 1 5-6 Ap '67.

TALYSH REGION (AZERBAIJAN)—CLOVER

A new species of clover from Talys (Trifolium kasajevi Chal.). E. Kh. Khalilov. Dokl. AN Azerb. SSR 22 no. 11 96-98 '66.

TAMAN PENINSULA—INSCRIPTIONS, GREEK

A new inscription from Hermonassa. N. S. Belova. Vest. drev. ist., no. 1 60-69 Ja-Mi '67.

TAMBOV—EVENING AND CONTINUATION SCHOOLS

Give the evening schools technical aid too. A. Zavadskii. Nar. obr., no. 4, 73-75 Ap '67.

TAMBOV PROVINCE—BOOKSELLERS AND BOOKSELLING

Daily attention to book sales. I. Sakharov. Knizh. torg. 18 no. 4, 26 Ap '67.

TAMBOV PROVINCE—COLLECTIVE FARMS—ACCOUNTING

Everybody ought to understand his tactics. A. Kavashinov. Mol. komm., no. 2, 87-91 '67.

TAMBOV PROVINCE—LIBRARIES—CIRCULATION, LOANS

For inventors and innovators. E. Lobotskaia. Bibliotekar' 44 no. 4, 18-21 Ap '67.

TAMBOV PROVINCE—MILLET

Use high cultivation practices in millet growing. F. Prutskov. Zor. i masl. kul't., 2 no. 5, 22-23 '67.

TAMBOV PROVINCE—SUNFLOWERS

Gift of Tambov land. V. Platonov. Zor. i masl. kul't., 2 no. 5, 37-39 '67.

TANAIIDAE see subdivision under Antarctic regions

TANGERINES—FERTILIZERS AND MANURES

Green manuring of citrus plantations. M. L. Bziava. Subtrop. kul't., no. 4, 3-17 '66.

TANK CARS

Evaporation losses of petroleum products from deepened trench-type tanks. I. V. Malysheva and others. Transp. i khran. nefli i nefteprod., no. 3 21-27 '67.

Problems of modernization of tank car loading locks. V. S. Dzhibellii. Transp. i khran. nefli i nefteprod., no. 3 18-22 '67.

TANK VESSELS—SAFETY MEASURES

Plavib, N. I. [Safety on the tanker.] Bezopasnost' na tankere. Moskva, Transport, 1967, 207 p.

TANK WARFARE

From dawn to dusk. N. Korenov. Voen. zhurn. 43 no. 3 6-7 Mi '67.

TANK WARFARE—STUDY AND TEACHING

Training apparatus for tankmen. M. Volgin, P. Shepet. Tekh. i voen. 25 no. 1 22-25 Ap '67.

TANKS

Evaporation losses of petroleum products from deepened trench-type tanks. I. V. Malysheva and others. Transp. i khran. nefli i nefteprod., no. 3, 21-27 '67.

Experience in assembling pontoon in operating tank. N. V. Stoklin. Transp. i khran. nefli i nefteprod., no. 3, 34-35 '67.

Methods for centering pontoon with tank body. D. V. Lunin. Transp. i khran. nefli i nefteprod., no. 3, 22-21 '67.

TANKS (MILITARY SCIENCE)

Stabilization of armament. A. Beionovskii, K. Pavlichuk. Tekh. i voen. 25 no. 2, 16-18 P '67.

The toughening of servicemen during the war games. T. Proshak. Komm. Voen. uch. SII 49 no. 8 42-46 Ap '67.

TANNING

Simultaneous chrome tanning, stuffing, and supplementary tanning during the processing of the DOI-type for shoe uppers. I. F. Norbunko, I. M. Labenchuk. Nauch.-issl. trudy UkrNIHKP no. 15, 23-29 '65.

Technology of the production of stiff and Russia leathers by complete substitution of vegetable by synthetic tanning agents. M. Sh. Ovrutskii and others. Nauch.-issl. trudy UkrNIHKP no. 15 3-10 '65.

Use of various synthetic materials for the stuffing and filling of chrome leather. Report No. 2. F. I. Rabonovich, N. I. Irlinskaia. Nauch.-issl. trudy UkrNIHKP no. 15 11-22 '65.

TANNINS

Study of chemical composition of tanning substances in Polygonum orientale Grig. A. S. Sadykov and others. Nauch. trudy TashGU no. 286 Khim. nauki no. 16 51-55 '66.

TANNU-TUVA see Tuva A. S. S. R.

TANTALUM

Geochemical indications of tantalum mineralization in granitoids. V. V. Potap'ev and others. Dokl. AN SSSR 173 no. 4, 923-926 Ap '67.

Mechanism of niobium and tantalum extraction from sulfate-fluoride solutions. A. G. Babkin, I. A. G. G. Oshechenko. Dokl. AN SSSR 173 no. 4, 873-875 Ap '67.

Photometric determination of tantalum with crystal violet and niobium with thiocyanate from the same batch. V. S. Dykova, V. I. Skrizhinskaya. Trudy VSEGEI 126, 46-56 '66.

TANTALUM COMPOUNDS

Mixed tantalum chalcogenides. L. A. Aslanov, A. V. Novoselova. Zhur. neorg. khim., 12 no. 3, 820-830 Mr '67.

TANTALUM-TITANIUM ALLOYS see Titanium-tantalum alloys

TAPEWORMS—HOST ANIMALS

Intermediate hosts of Hymenolepididae from aquatic birds in waters of southern Kazakhstan. O. V. Dobrokhlova. Trudy Inst. zool. AN Kazakh SSR, 27, 88-97 '67.

TAPS AND DES

Nut taps for cutting threads in difficult-to-work materials. B. I. Pikaev. Stan. i instr. 38 no. 5, 46-47 My '67.

Taps for cutting threads in hardened high-manganese steel. V. A. Zhilin, A. A. Koshelev. Stan. i instr., 38 no. 3, 36-38 Mr '67.

TARNOVSKII, VASILII VASIL'EVICH, 1837-1899

The 130th anniversary of V. V. Tarnovskii's birth. V. H. Sarbel. Ukr. ist. zhur., 11 no. 4, 118-121 Ap '67.

TARTARIC ACID

Studying niobium tartrate complexes by the extraction method. I. V. Platiniskii, E. S. Sereda. Ukr. khim. zhur., 33 no. 4, 408-413 '67.

TARTU—BREWERIES

Tartu Brewery. V. I. A. Dralluk. Form. i spirt. prom., 33 no. 3, 6-7 '67.

TARTU—THEATER

A discussion with Kaar'el Ird. Teatr 28 no. 4, 63-67 Ap '67.

TASHKENT REGION—AGRICULTURE
 The role of agriculture in the development of the Tashkent region. *Tr. TashGU* no. 297-76-82 '66

TASHKENT REGION—ALMAGI
 The role of almagi in the development of the Tashkent region. *Tr. TashGU* no. 297-76-82 '66

TASHKENT REGION—GEOLOGY, STRATIGRAPHIC
 The role of geology and stratigraphy in the development of the Tashkent region. *Tr. TashGU* no. 297-76-82 '66

TASHKENT REGION—SOYBEAN
 The role of soybeans in the development of the Tashkent region. *Tr. TashGU* no. 297-76-82 '66

TASHKENT REGION—WOODY PLANTS
 The role of woody plants in the development of the Tashkent region. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—AGRICULTURE
 The role of agriculture in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—ARGILLITE
 The role of argillite in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—CELESTITE
 The role of celestite in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—ECONOMIC CONDITIONS
 The role of economic conditions in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—EDUCATION
 The role of education in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—GEOLOGY, STRATIGRAPHIC
 The role of geology and stratigraphy in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—JUDICIAL REVIEW OF ADMINISTRATIVE ACTS
 The role of judicial review of administrative acts in the development of the Tatar A.S.S.R. *Tr. TashGU* no. 297-76-82 '66

TATAR A.S.S.R.—KARST
 Karst and karst-talus formation in Lower Permian sediments of northwestern Tataria. *I. N. Tikhvinskii. Uch zap Kaz un* 124 no. 10-17-22 '65

TATAR A.S.S.R.—OIL WELL DRILLING—COSTS
 Important potentiality for reducing the cost of drilling work. *S. Faikhtudinov. Mat. tekhn. 2* no. 4 87-90 1p '67

TATAR A.S.S.R.—OIL WELL DRILLING—LABOR PRODUCTIVITY
 Experience in organizing drilling operations in "Tatneft" Combine. *V. I. Moshchevich. Organ. i upr. nefteodob.* prom. no. 4 3-8 '66

TATAR A.S.S.R.—PETROLEUM GEOLOGY
 Characteristics of oil pools in multilayered fields of Tatar and Perm-Bashkir Arch. *M. D. Belonin, K. P. Ivanova. Neftegaz. geol. i geofiz.* no. 3, 5-11 '67

Tatar-originated formations in Tatar A.S.S.R. and their oil potential. *R. A. Barceev, I. A. Melnikova. Izv. vys. ucheb. zav. nefi i gaz.* 10 no. 2 25-28 '67

Some structural characteristics of Devonian terrigenous sediments in connection with their oil potential in north-eastern Tatar A.S.S.R. *R. A. Barceev. Neftegaz. geol. i geofiz.* no. 3 17-21 '67

Structure of Southern Dome of Tatar Arch and some regularities in distribution of oil pools in it. *S. G. Babut and others. Neftegaz. geol. i geofiz.* no. 3, 11-17 '67

TATAR A.S.S.R.—PETROLEUM PRODUCTION—MANAGEMENT
 Present status of scientific labor organization in enterprises of "Tatneft" Combine. *P. I. A. Gorozhan-kun. Organ. i upr. nefteodob. prom.* no. 6 16-17 '66

TATAR A.S.S.R.—PETROLEUM PRODUCTION—PRODUCTION STANDARDS
 Experience in establishing norms for expenditures and analyzing use of material resources in "Tatneft" Combine. *S. Z. Faikhtudinov. Organ. i upr. nefteodob. prom.* no. 4 20-23 '66

TATAR A.S.S.R.—POLITICS AND GOVERNMENT
 Results of studying the development of the Tatar A.S.S.R. *S. V. Gus. i prav. no. 5-11* May '67

TATAR A.S.S.R.—ROCKS, SEDIMENTARY
 Karst and karst-talus formation in Lower Permian sediments of northwestern Tataria. *I. N. Tikhvinskii. Uch zap Kaz un* 124 no. 10-17-22 '65

TATAR A.S.S.R.—THEATER
 First productions of the Russian plays on Tatar stages. *R. F. Usmanova. Kaz. v. ist. rus. lit.* no. 1 69-78 '65

TAXATION
 Economic basis and principles of determining fixed payments. *S. Starian, V. Afremov. Fin. SSSR* 41 no. 4 8-15 Ap '67

TAXICABS—DESIGN AND CONSTRUCTION
 New make of taxicabs. *Prom. Arm.* 10 no. 2 50-51 '67

TAXICABS—MAINTENANCE AND REPAIR
 Cost of the maintenance of taxicabs. *I. U. Sazonov. Avi. transp.* 45 no. 4 36-38 Ap '67

TBILISI see THIS

TEA
 (see also subdivision under Georgia; Lenkoran' Lowland, Sochi region)
 Effect of the intensity of light conditions and the age of leaves on the plastid pigment content of tea leaves. *N. I. Adelshteyn. Subtrop. kul't.* no. 4 78-84 '66

Photosynthesis products of tea plant and biosynthesis of phenol compounds. *M. N. Zaprometov, V. A. Bukhlaeva, Fiziol. rast.* 14 no. 2 197-209 Mr-Apr '67

Study of localizing polyphenoloxidase in tea leaves. *G. A. Buzun, K. M. Dzhemukhadze, L. F. Milesheko. Dokl. AN SSSR* 173 no. 4 954-955 Ap '67

TEA—FERTILIZERS AND MANURES
 Effect of fertilizers on the pigment content of plastids in tea leaves. *P. D. Patarava. Subtrop. kul't.* no. 4 68-77 '66

TEA—PRUNING
 Hand tea pruning shears designed by the All-Union Scientific Research Institute of Tea and Subtropical Plants. *L. N. Bobokhidze, V. L. Mdinaradze. Subtrop. kul't.* no. 4, 37-48 '66

TEACHERS
 The fate of a rural teacher. *G. Tsyferov. Sem'ia i shkola* 21 no. 10 24-25 O '66

Generosity. *T. Torlina. Sem'ia i shkola* 22 no. 3 26-27 Mt '67

A group of those who hold the same views. *V. Torskil. Sem'ia i shkola* 21 no. 10 31 O '66

Marita Nikolaevna, A. S. Barkov. Vech. svet. shkol. 10 no. 2 16-47 Mr-Apr '67

Our best people. *P. I. Makarov, and others. I protzv.* 11 no. 1 19, 26, 68, 71 Ja '67

Some of the best. *I. Vasin. Svet. svet. shkol.* 10 no. 2 16-47 Mr-Apr '67

Teachers; stories about good people. *Appl. i upr. 46-47 My '67*

Those who face the morning. *Sem'ia i shkola* 21 no. 1 O '66

TEACHERS, TRAINING OF
 (see also subdivision under Nizhny Tagil)
 Questions of educational experience. *A. Levashin. Obr.* no. 4 20-29 Ap '67

TEACHING
 Dissertations on the methodology of scholastic teaching. *L. A. Ventskovskii. Vech. svet. shkola* 10 no. 2 16-47 Mr-Apr '67

Educating an intellectually active personality (continued). *M. Makhmutov. Nar. obr.* no. 1 16-17 Ap '67

Her vocation. *S. Shvetsov. Svet. svet. shkol.* 10 no. 2 16-47 Mr-Apr '67

Let us familiarize each teacher with the achievements of pedagogical science. *M. I. Stepanukhin. Vech. svet. shkol.* 10 no. 2 16-47 Mr-Apr '67

Secrets of skill and perfection. *G. P. Ponomarev. Obr.* no. 4 20-29 Ap '67

We should learn everything from V. I. Lenin. *Iz. v. ist. rus. lit.* no. 1 69-78 '65

TEACHING—AIDS AND DEVICES
 All advantages. *B. Furmanov. Nar. obr.* no. 1 16-17 Ap '67

Equipment of study rooms. *V. M. Adres. Svet. svet. shkol.* 10 no. 2 16-47 Mr-Apr '67

An exhibition of visual teaching aids in pedagogical science. *Ozrobnish. Vech. svet. shkola* 10 no. 2 16-47 Mr-Apr '67

Give the evening schools technical aid too. *A. A. Shibanov. Nar. obr.* no. 1 17-75 Ap '67

Model for the demonstrating of sections. *I. A. Shibanov. Shkola i protzv.* 11 no. 1 17-75 Ja '67

TEACHING, FREEDOM OF (see subdivision under United States)

TEBERDA (STRAVROPOL TERRITORY)—INMATES AND READERS
 From the conference on practical matters. *Tr. TashGU* no. 297-76-82 '66

TECHNICAL EDUCATION
 (see also subdivision under Germany, East; Magnitogorsk)
 Development of inventive capacities. *M. A. Shibanov. Rad. shk.* 45 no. 4 107-102 Ap '67

Improving the efficiency of training students in institutions of higher technical education. *I. D. Gerasimov. Trudy VZET* no. 30 92-99 '66

Our best people. *P. I. Makarov, and others. I protzv.* 11 no. 1 19, 26, 68, 71 Ja '67

Polytechnic and manual training of schoolchildren. *M. A. Pokolov. Shkola i protzv.* 11 no. 1 16-17 Ap '67

Review of the work accomplished in four years. *S. Shastov. Shkola i protzv.* 11 no. 1 68-69 Ja '67

Simulation in education. *A. A. Shibanov. Obr.* no. 4 20-29 Ap '67

Technological progress and polytechnic education. *Heinz Frankewitsch. Shkola i protzv.* 11 no. 1 71 Mt '67

Working with a textbook. *Walter Stenzel. Shkola i protzv.* 11 no. 3 72 Mr '67

TECHNICAL EDUCATION—CONGRESSSES
 (see also subdivision under Germany, East)
 International Polytechnic Seminar in Hungary. *Shkola i protzv.* 11 no. 3 73 Mt '67

TECHNICAL JOURNALISM (see Journalism, Technical)

TECHNICAL SOCIETIES
 Plenum of the Central Administration of the Scientific Technological Society. *S. G. Gorkhchenov. Gidrot. i kosm. prom.* 20 no. 3, 5 '67

TECHICIANS IN INDUSTRY
 Problems of the large-scale reproduction of special types in the U.S.S.R. *V. G. Sandetskii. Vost. i zap. Sei. 7. Ekon.* 22 no. 2 26-30 Mr-Apr '67

TECHNOCRACY
 Technocracy in the interpretation of bourgeois psychology. *V. F. Kolomitshev. Vop. filos.* 21 no. 4 173-175 '67

TECHNOLOGICAL INNOVATIONS
 (see also subdivision under Armenia, Azerbaijan)
Kovalov, V. I. [Road to invention] *Pu't' k izobreteniyu* [Leningrad] Leningrad, 1967. 142 p. (Biblioteka izobretatel'skogo inzhenera)

TECHNOLOGICAL INNOVATIONS (Continued)

- New developments in science and technology. *Pran Arm* 10 no.2:58-60 '67.
New developments in science and technology. *Pran Arm* 10 no.3:34-55 '67.
Rally of young efficiency promoters. V. Medvedev. *Nar. obr.* no.4:68-69 Ap '67.
Relay race of innovators. *Tekh. i vooruzh.* 25 no.1:78-30 Ja '67.
Relay race of innovators. *Tekh. i vooruzh.* 25 no.3 35-39 M '67.
Relay race of innovators. *Tekh. i vooruzh.* 25 no.4 31-37 Ap '67.
Something about different things. *Mashinostroitel'* no.4 11, 20, 47 Ap '67.
Technical expert commission of plans. A. F. Fedin. *Vop. izhor.* no.2 33-34 F '67.
This can be used in your enterprise. *Mashinostroitel'* no.4:24-25 Ap '67.

TECHNOLOGICAL INNOVATIONS—ECONOMIC ASPECTS

Basic problems of determining the efficiency of capital investments and new equipment. I. D. Vitebskii, A. A. Chelukhin. *Trudy VZEI* no.30:110-121 '66.

TECHNOLOGY

- Military art and scientific and technological progress. I. Amurev. *Mol. komm.* no.2 31-37 '67.
Scientific and technical progress and its role in the development of the material and technical foundation of communism. I. U. P. Goltanov. *Trudy VZEI* no.30: 84-81 '66.
The scientific and technological revolution and the "third world." T. M. Shatalov. *Mezhdunar. zhizn'* 11 no.5 92-98 '67.
The technical books of the 30's. L. Rubinstein. *Katzh. toig* 18 no.4 31-35 Ap '67.
Technology and scientific labor organization. M. Shor, B. I. Usutovich. *Sots. stud* 12 no.5:34-61 Mv '67.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—DICTIONARIES

Baron, L. L., ed. [French-Russian technical dictionary. 35,000 terms] *Frantsuzsko-i usskii tekhnicheskii slovar'*. 35,000 terms. Moskva, Sov. Entsiklopedia, 1957. 808 p.

TECHNOLOGY—ECONOMIC ASPECTS

Maslova, I. S. [Disengagement of the labor force in the U.S.S.R. industry and its efficient use] *Vysvobozhdenie rabochoi sily v promyshlennosti SSSR i ee ratsional'noe ispol'zovanie*. [Moskva] Izd-vo Mosk. univ., 1967. 92 p.

TECHNOLOGY—PHILOSOPHY

Characteristics of present-day scientific and technological progress. N. I. Pas'ko. *Pyt. nauk. kom.* no.1:56-71 '66.

TECHNOLOGY AND CIVILIZATION

Scientific and technical revolution and the intensification of the contradictions of capitalism. I. Tamarin. *Mir. ekon. i mezhdunar. otn.* no.4:42-53 '67.

TEETH

Bream with two-row pharyngeal teeth in Seliger Lake basin. V. A. Shutov. *Dokl. AN SSSR* 173 no.3:715-717 Mr '67.

TEETH—DISEASES

Treatment of complicated caries using diathermy coagulation. E. A. Vast'kova. *Voen.-med. zhur.* no.4:81 Ap '67.

TELECOMMUNICATION

Comparative evaluation of communication systems with different forms of modulation. I. I. Petrov. *Radio-tekhnika* 22 no.4 7-15 Ap '67.

TELEGRAPH

[Phase and relative phase telegraphy] *Fazovaya i otnositel'naya fazovaya telegrafiya*; *sbornik statei*. Moskva, Svyaz', 1967. 167 p. (Tekhnika svyazi)

TELEGRAPH—STUDY AND TEACHING

Concerning "hand slippage" on a telegraph key. I. U. Revskii. *Radio* no.4:12 Ap '67.
The road to automation. V. I. Ar'ov. *Tekh. i vooruzh.* 25 no.4:30-31 Ap '67.

TELEMETER (PHYSIOLOGICAL APPARATUS)

Flozenblat, V. V. [Radiotelemetric studies in sports medicine] *Radiotelemetricheskoe issledovanie v sportivnoi meditsine*. Moskva, Meditsina, 1967. 207 p.

TELEMETERING

Determining the quality of the transient process of a frequency pulse transmitter in a mine telemetering system. *Dop. AN URSS, Ser. A* 20 no.1:85-88 Ja '67.
Low-frequency transistor oscillator for testing telemetering equipment. A. L. Vakhtamov. *Energetik* 15 no.4: 24-25 Ap '67.

Telemetering system for measuring the temperature of the rotating units of an electrical machine. V. G. Kholova, A. I. Galt'skii. *Energ. i elek.* no.2 37-39 Mr-Ap '67.

TELEPHONE

Homemade telephone apparatus. V. Ivanov. *Radio* no.1 49-51 Ja '67.

Kovalova, V. D., V. P. Kalina, and D. P. Kozlov. [Telephony and telephone stations] *Telefoniya i telefonnye stanitsii*. Moskva, Svyaz', 1967. 323 p.
Telephone blocking units. N. M. Kon'nev. *Vost. protivovozd. zhur.* no.3 71-76 Mr '67.

TELEPHONE LINES

[Action of permafrost phenomena on communication cables] *Vozdeistvie moryzhtno-gruntovykh iavlenii na kabeli svyazi*. [By] I. U. G. Kulikov i dr. Moskva, Svyaz', 1967. 45 p. (Novoe v tekhnike svyazi)

Calculation of the coupling impedance of the coaxial cables of long-distance communication systems. A. B. Tsalovich. *Elektrosvar'* 21 no.3:68-73 Mr '67.

TELESCOPE

Adjusting the telescope for an automatic photoguiding servo system. G. R. Pekki, A. M. Grigorovich, V. V. Pampitskii. *Opt.-mekh. prom.* 34 no.3 28-31 Mr '67.

Automatic plate holder for the 26-inch refractor of the Main Astronomical Observatory of the Academy of Sciences of the U.S.S.R. I. I. Kanaev. *Izv. GAO* 24 no.3:160-161

Investigation of models of the hyperbolic mirror of a large telescope by experimental methods. L. G. Grossvald, K. S. Tavastshina. *Izv. GAO* 24 no.1: 184-188 '66.

TELESCOPE, ZENITH

Results of the investigation of the Zeiss zenith telescope at the Ulan Bator Observatory. I. D. Basmanzhiv and others. *Izv. GAO* 24 no.3 52-68 '66.

Determination of the value of a revolution of the ZTL-180 micrometer screw at Bngovshchensk. G. S. Sheptunov, A. N. Sheptunova. *Izv. GAO* 24 no.3 48-51 '66.

TELEVISION

(see also subdivision under Bulgaria; Japan, Leningrad; Moscow, Novosibirsk, Penz Province)

Studying the resolving power of Si(Au) scanlines. K. R. Berkovskaya, V. L. Kreiser, V. B. Shuman. *Fiz. i tekhn. poluprov.* 1 no.1 128-131 Ja '67.

Television network of the R.S.F.S.R. *Sov. radio i tel.* 9 no.1:30 '66.

With public participation. S. V. Kalanov. *Sov. radio i tel.* 9 no.5:1 '66.

TELEVISION—COMPETITIONS

Awards for best broadcasts. *Sov. radio i tel.* 9 no.4: 11-12 '66.

TELEVISION—EQUIPMENT AND SUPPLIES

(see also subdivision under Lvov)

New design of the body of the television set. O. Andreev. *Tekh. est.* 4 no.2:31-32 F '67.

New motion picture technique for television. *Sov. radio i tel.* 9 no.5:14 '66.

TELEVISION—MAINTENANCE AND REPAIR

Device for adjusting television receivers. I. U. Skripnikov. *Radio* no.2:18-20 F '67.

Repair of television receivers. *Radio* no.1:34 Ja '67.

TELEVISION—PRODUCTION AND DIRECTION

(see also subdivision under Grodno; Izhevsk)

The art of a television operator. I. Dneprovecki. *Sov. radio i tel.* 9 no.1:38-37 '66.

Creative cooperation. I. Krasovskii. *Sov. radio i tel.* 9 no.5:23-24 '66.

Let us talk to television audiences in the language of art. *Sov. radio i tel.* 9 no.1:31-32 '66.

The origin of television staging. I. A. Raznikov. *Sov. radio i tel.* 9 no.6:16-17 '66.

Reflections after the seminar. I. U. Genika. *Sov. radio i tel.* 9 no.1:32-33 '66.

The role of portrayal in television. A. Golovina. *Sov. radio i tel.* 9 no.2:33-34 '66.

TELEVISION—RECEIVERS AND RECEPTION

A first class television receiver. I. A. Efrussi. *Radio* no.4:22-23 Ap '67.

TELEVISION—STAGE SETTING AND SCENERY see subdivision under Moscow

TELEVISION ADAPTATIONS

(see also subdivision under Tashkent)

Appropos of the "Goal." N. Kestelin. *Sov. radio i tel.* 9 no.5:29-30 '66.

"Eugene Grandet" on the television screen. Mikh. Dolgoplov. *Sov. radio i tel.* 9 no.3:32 '66.

It missed the goal. E. Dzigan, B. Ivanov. *Sov. radio i tel.* 9 no.6:28-29 '66.

Operetta on Mars. M. Reidel'. *Sov. radio i tel.* 9 no.2 38-39 '66.

Story, script and television production. V. Ljubovisev. *Sov. radio i tel.* 9 no.5 11-12 '66.

TELEVISION AND CHILDREN see subdivision under Baku, Germany, East, Kiev, Minsk

TELEVISION AND MUSIC

Meeting friends. S. Klimova. *Sov. radio i tel.* 9 no.1: 34-35 '66.

TELEVISION AUDIENCES

(see also subdivision under Minsk, Volgograd)

The address is: Moscow, Shabolovka, 53. A. Savelova. *Sov. radio i tel.* 9 no.1:22-23 '66.

A lively conversation. Z. Aleksandrov. *Sov. radio i tel.* 9 no.1:21 '66.

Must the TV viewer wear a turban? An answer to "Teatr" magazine. *Sov. radio i tel.* 9 no.4:40-41 '66.

TELEVISION BROADCASTING

(see also subdivision under Alma-Ata; Italy; Izhevsk, Kharkov; Kiev; Leningrad; Moscow, Murmansk, Soviet Far East, Tomsk)

Honorable duty. *Sov. radio i tel.* 9 no.4:1 '66.

A manuscript found in Ostankino. A. Grigorian. *Zhurnal-ist* no.2 71-70 F '67.

The militant program of Soviet radiobroadcasting and television. S. V. Kaftanov. *Sov. radio i tel.* 9 no.2:5-8 '66.

The militant task of radio broadcasting and television. *Sov. radio i tel.* 9 no.3 1-4 '66.

On improving Soviet radiobroadcasting and the further development of television. *Sov. radio i tel.* 9 no.2 1-4 '66.

On the right way. T. Iakovlev. *Sov. radio i tel.* 9 no.4: 7-8 '66.

TELEVISION BROADCASTING—STUDY AND TEACHING

Inauguration of a peoples' university. L. Glukhovskaya. *Sov. radio i tel.* 9 no.1:24-25 '66.

TELEVISION BROADCASTING OF FILMS see subdivision under Vladivostok

TELEVISION BROADCASTING OF NEWS

(see also subdivision under Krasnodar Territory; Perm; Vladivostok)

Devote all your strength and knowledge to the building of communism! S. V. Kaftanov. *Sov. radio i tel.* 9 no.1 8-10 '66.

Political information. V. Volkov. *Sov. radio i tel.* 9 no.5:5 '66.

A radio editorial office on wheels. *Sov. radio i tel.* 9 no.1:10 '66.

What the "latest news" on television should be like. E. Kozirev. *Sov. radio i tel.* 9 no.6:27-28 '66.

TELEVISION CAMERA TUBES

Contribution to the theory of television camera tubes. A. Frishman. *Radiotekh. i elektron.* 12 no.2:376-379 F '67.

TELEVISION CIRCUITS

Simple television channel switch. P. Kalinin. *Radio* no.1: 31-32 Ja '67.

TELEVISION CRITICISM

The address is: Moscow, Shabolovka, 53. A. Savelova. *Sov. radio i tel.* 9 no.1:22-23 '66.

Effect of influence. S. Muratov. *Zhurnal-ist* no.2:29-31 F '67.

TELEVISION IN AGRICULTURE

(see also subdivision under Alma-Ata; Donetsk; Kiev; Rostov Province)

Directed broadcasting is necessary. A. Shumakov. *Sov. radio i tel.* 9 no.5 6-7 '66.

TELEVISION IN ASTRONOMY

Possibility of statistical determination of nonuniformity of televised images of stars. N. F. Kuprevich, A. Kh. Kurmaeva. *Izv. GAO* 24 no.4:136-142 '66.

TELEVISION IN EDUCATION

(see also subdivision under Czechoslovakia; Odessa)

Use of television in educational work. I. U. Znamenski. *Sred. shkola* 14 no.3:16-18 Mr '67.

TELEVISION IN LEGAL EDUCATION see subdivision under Gomel' Province; Odessa

TELEVISION IN METEOROLOGY

Reestablishment of wind field in cyclone using television pictures of cloud cover obtained from artificial earth satellites. N. F. Vaitshchev, V. V. Ozerkina. *Trudy MMTS* no.11:15-25 '66.

Use of statistical characteristics of television signal for determination of quantity and form of clouds on photographs obtain from meteorological satellites. V. I. Latsheva, T. A. Melnikova, D. M. Sonechkin. *Trudy MMTS* no.11:42-50 '66.

- TELEVISION IN PROPAGANDA**
(see also subdivision under Kalingrad; Murmansk, Peim)
Genetics and forms of political broadcasting. L. Barkovskii. Sov. radio i tel. 9 no. 3 34-35 '60.
Operative propaganda or party resolutions. N. Petrov. Sov. radio i tel. 9 no. 15 '60.
Use better the potentialities of radio and television. S. V. Kaftanov. Sov. radio i tel. 9 no. 6 7-10 '60.
- TELEVISION MUSIC**
The sound as left aside. I. Kokorin. Sov. radio i tel. 9 no. 6 25-26 '60.
- TELEVISION OPERATORS**
Creative cooperation. I. Krasovskii. Sov. radio i tel. 9 no. 5 23-24 '60.
- TELEVISION PICTURE TUBES**
Mask-type kinescopes. I. A. Vinnikov, E. Mikhailov. Radio no. 2 16-17 '67.
The 23LK9B kinescope. G. Dubilvin. Radio no. 1 33 Ja '67.
- TELEVISION PLAYS**
(see also subdivision under Kharkov; Moscow, Leningrad)
Are the amateur theaters necessary? I. Bolotskii. Sov. radio i tel. 9 no. 5 37 '60.
It did not take place! G. Karnaukhova. Teatr. 28 no. 1 40-42 Ap '67.
Telefilm. A. Donatov. Sov. radio i tel. 9 no. 6 31-32 '60.
- TELEVISION PROGRAMS**
(see also subdivision under Baku; Elivan; Gorkiy, Lzhevak, Kharkov, Kiev, Kuybyshev; Leningrad, Moldavia; Moscow, Murmansk, Sochi, Sverdlovsk, Tbilisi; Volgograd)
A ball for the happy. B. Sergeeva. Sov. radio i tel. 9 no. 2 27-28 '60.
The blue screen as a meeting place. O. Karisev. Mol. komm. no. 2 110-114 '67.
Exchange of television programs. N. Kastelin. Sov. radio i tel. 9 no. 4 25-26 '60.
Favorite weapon. P. Shulgin. Sov. radio i tel. 9 no. 3 28 '60.
The "Health" television journal. I. Malais, E. Orlova. Sov. radio i tel. 9 no. 4 35 '60.
Stuck under a filling. V. Geller. Zhurnalist no. 3 56-57 Mi '67.
This day, this hour. IU. Budantsev, V. Derevitskii. Zhurnalist no. 3 46 Mi '67.
A writer on television. Sov. radio i tel. 9 no. 1 20 '60.
- TELEVISION PROGRAMS, PUBLIC SERVICE**
A monument to the revolution. I. Kazakova. Zhurnalist no. 3 18-19 Mi '67.
- TELEVISION SCRIPTS**
Captions. I. Kisilev. Sov. radio i tel. 9 no. 5 17 '60.
- TELEVISION STATIONS—DESIGN AND CONSTRUCTION**
Use of a helicopter in studying the zone of a prospective television station. I. S. Andreev. Elektr. osveta. 21 no. 3 77-79 Mr '67.
- TELLURIDES**
Magnetic properties of mono- and polycrystalline praseodymium ditelluride $\text{PrTe}_{1.9}$. V. I. Chechernikov and others. Izv. AN SSSR, Neorg. mat. 3 no. 1 169-170 Ja '67.
- TELLURIUM**
Mechanism of tellurium extraction by tributyl phosphate from hydrochloric-sulfuric acid solutions. G. P. Giganov, I. A. Spulnova, F. I. Vershinina. Zhur. neorg. khim. 12 no. 3 755-761 Mr '67.
Preparation of single crystals of tellurium-selenium solid solutions and study of their electric properties. Kh. Davzhanov and others. Izv. AN SSSR, Neorg. mat. 3 no. 4 613-616 Ap '67.
- TELLURIUM—ANALYSIS**
Spectrochemical determination of small amounts of tellurium and sulfur. N. G. Polivanova, Zh. A. Filippova. Zhur. anal. khim. 22 no. 2 290-292 F '67.
- TELLURIUM—THERMAL PROPERTIES**
Thermal conductivity of tellurium in solid and liquid states. E. V. Shadrachev, I. A. Smirnov. Fiz. i tekhn. poluprov. 1 no. 4 501-508 Ap '67.
- TELLURIUM COMPOUNDS**
Bronide complexes of tetravalent tellurium. G. G. Shilarova, V. A. Nazarenko. Zhur. neorg. khim. 12 no. 4 990-1005 Ap '67.
Coulometric determination of tellurium (IV) at the controlled potential. L. B. Agasian, A. G. Urchenko, P. K. Agasian. Zhur. anal. khim. 22 no. 2 229-233 F '67.
- TELLURIUM OXIDES**
Equilibrium diagram of the system $\text{TeO}_2 - \text{Na}_2\text{O}$. B. P. Troitskii, A. K. Akhmed, N. S. Matyshechenko. Izv. AN SSSR, Neorg. mat. 3 no. 4 741-743 Ap '67.
- TEMISTAV (KAZAKHSTAN)—IRON AND STEEL PLANTS**
The Kazakhstan Magnitogorsk, November, 1960. M. Lazarenko. Vn. khoz. Kazakh. 18 no. 12 3-5 D '60.
- TEMPERATURE—EFFECT ON ANISOTROPY** see Anisotropy, Effect of temperature on
- TEMPERATURE—EFFECT ON CADMIUM ALLOYS** see Cadmium alloys, Effect of temperature on
- TEMPERATURE—EFFECT ON CADMIUM SULFIDE** see Cadmium sulfide, Effect of temperature on
- TEMPERATURE—EFFECT ON CADMIUM SULFIDE CRYSTALS** see Cadmium sulfide crystals, Effect of temperature on
- TEMPERATURE—EFFECT ON CHROMIUM STEEL** see Chromium steel, Effect of temperature on
- TEMPERATURE—EFFECT ON COPPER-NICKEL-ALUMINUM ALLOYS** see Copper-nickel-aluminum alloys, Effect of temperature on
- TEMPERATURE—EFFECT ON CRYSTAL STRUCTURE** see Crystal structure, Effect of temperature on
- TEMPERATURE—EFFECT ON CRYSTALS** see Crystals, Effect of temperature on
- TEMPERATURE—EFFECT ON DIFFUSION COATINGS** see Diffusion coatings, Effect of temperature on
- TEMPERATURE—EFFECT ON FERRITES (MAGNETIC MATERIALS)** see Ferrites (magnetic materials), Effect of temperature on
- TEMPERATURE—EFFECT ON GLASS** see Glass, Effect of temperature on
- TEMPERATURE—EFFECT ON INDIUM ANTIMONIDES** see Indium antimonides, Effect of temperature on
- TEMPERATURE—EFFECT ON LATEX** see Latex, Effect of temperature on
- TEMPERATURE—EFFECT ON LEAD TELLURIDES** see Lead tellurides, Effect of temperature on
- TEMPERATURE—EFFECT ON LIQUID METALS** see Liquid metals, Effect of temperature on
- TEMPERATURE—EFFECT ON METALS** see Metals, Effect of temperature on
- TEMPERATURE—EFFECT ON NICKEL-CHROMIUM ALLOYS** see Nickel-chromium alloys, Effect of temperature on
- TEMPERATURE—EFFECT ON PLANTS** see Plants, Effect of temperature on
- TEMPERATURE—EFFECT ON PLASTIC FILMS** see Plastic films, Effect of temperature on
- TEMPERATURE—EFFECT ON PROTECTIVE COATINGS** see Protective coatings, Effect of temperature on
- TRACE ELEMENTS—EFFECT ON PLANTS** see Plants, Effect of trace elements on
- TEMPERATURE—EFFECT ON SHEET STEEL** see Sheet steel, Effect of temperature on
- TEMPERATURE—EFFECT ON STEEL** see Steel, Effect of temperature on
- TEMPERATURE—EFFECT ON TITANIUM** see Titanium, Effect of temperature on
- TEMPERATURE—EFFECT ON TOOL STEEL** see Tool steel, Effect of temperature on
- TEMPERATURE—MEASUREMENT** see Thermometry
- TEMPERATURE—PHYSIOLOGICAL EFFECT**
Effect of blood circulation and temperature on the constant polarization potentials in the skeletal muscle of a frog. O. A. Andriamain, Fiziol. zhur. 49 no. 10 1260-1265 O '63.
Effect of narcotics, temperature and dinitrophenol on the physical electrogenesis of nerves. D. S. Vorontsov. Fiziol. zhur. 49 no. 10 1197-1203 O '63.
Effect of temperature and pH on denaturation of globular proteins. L. A. Uteveskaya. Uch. zap. KIGU. 131 36-43 '62.
Effect of temperature conditions of the embryonic development on the thermoregulation of chicks. V. V. Khaskin. Fiziol. zhur. 49 no. 10 1254-1259 O '63.
Thermal influence on the summation of excitations in the central apparatus of the extensor reflex. V. I. Stepanko. Fiziol. zhur. 53 no. 3 209-204 Mr '67.
- TEMPERATURE FIELDS**
(see also subdivision under Northern Hemisphere)
Taking into account data on cloud cover in determining climatic temperature field of atmosphere. Sh. A. Muskhelishvili. G. S. Sviridova. Trudy MNTS no. 11 64-77 '66.
Temperature conditions of a solid under variable conditions of heat transfer on its surface. V. V. Ivanov. Izv. vys. ucheb. zav., av. tekhn. 10 no. 1 133-134 '67.
Temperature conditions of rolling mill guides. Report No. 1. IU. N. Taitis and others. Izv. vys. ucheb. zav., khim. mel. 10 no. 1 176-179 '67.
Temperature field of a flat wall of continuous ingot mold. P. I. Khristichenko, G. A. Didanko. Izv. vys. ucheb. zav., khim. mel. 10 no. 3 153-157 '67.
Temperature field of an infinite plate at a variable coefficient of heat transfer. IU. V. Vidin. Izv. vys. ucheb. zav., av. tekhn. 10 no. 1 63-69 '67.
- TEMPERATURE REGULATORS**
Automatic oil temperature regulator. N. H. Polovchenko. Energetik. 15 no. 1 16-18 Ja '67.
Automatic regulation of temperature of water cooling of water-jacketed cupola furnaces. B. A. Kadzhanian. Mekh. i avtom. priol. 21 no. 4 27 '67.
Temperature regulators for electric circuits. Kh. Alvazian. Prom. Arm. 10 no. 2 41-42 '67.
- TEMPERING**
Effect of tempering on the tendency to brittle failure of rolled structural steel products. I. S. Volokhanskaya. Trudy TSNIIMPS no. 323 73-80 '66.
- TENDONS—INFLAMMATION**
Treatment of acute suppurative tendovaginitis. I. M. Vasishvili. Sov. med. 30 no. 3 73-76 Mi '67.
- TENDRIAKOV, VLADIMIR FEDOROVICH, 1923-**
Tendriakov the "old" and Tendriakov the "new." V. Litvinov. Oktabr. 38 no. 6 199-209 Je '61.
- TEPA—PHYSIOLOGICAL EFFECT**
Effect of Thio-TEPA and Benzo-TEPA on the glycogen-forming function of the liver in rabbits. M. S. Zolotarev. Vop. onk. 13 no. 3 76-79 '67.
- TEREK RANGE—ROCKS, IGNEOUS**
Igneous blocks of Faymaz-Kala Mountain (Terek Range). M. N. Smirnova, V. D. Talalaev. Izv. AN SSSR, Ser. geol. 1 135-136 Ap '67.
- TERENIN, ALEKSANDR NIKOLAEVICH, 1897-1967**
Academician A. N. Terenin. Zhur. fiz. khim. 41 no. 4 948-950 Ap '67.
- TERESHKOVA, VALENTINA VLADIMIROVNA NIKOLAEVA-** see Nikolaeva-Tereshkova, Valentina Vladimirovna, 1937-
- TERIAEV, VALENTIN ALEKSANDROVICH, 1891-1966**
Valentin Aleksandrovich Teriaev. Blud. MOIP, Otd. geol. 42 no. 1 163-166 Ja '67.
- TERNOPOL' PROVINCE—COURTS**
The work of people's assessors. V. Davydenko, O. Tikhonchuk. Rad. pravo. no. 4 90-91 Ap '67.
- TERNOPOL' PROVINCE—SOCIAL GROUP WORK**
Cultural and educational work of the local soviets. M. Fedchinskaya. Rad. pravo. no. 4 20-31 Ap '67.
- TER-OVAKIMIAN, IVAN ARTEM'EVICH, 1902-1967**
I. A. Ter-Ovakimian; obituary. Shvein. prom. no. 2 40-3 of cover Mr-Ap '67.
- TERPENES—OPTICAL PROPERTIES**
Optic activity of terpenes in relation to certain taxonomic groups of plants containing them. G. V. Pigulevskii. Trudy Bot. inst. Ser. 5 no. 12 95-109 '65.
- TERPENES—SPECTRA**
Infrared spectra of monoterpenes oxides and corresponding hydrocarbons. S. A. Kozhin, O. V. Sverdlova. Trudy Bot. inst. Ser. 5 no. 12 110-124 '65.
- TERPENIYE (UKRAINE)—HISTORY**
New appearance of the village of Terpeniye. D. Melasin. Zemledelie. 29 no. 4 6-7 Ap '67.
- TERRACES (GEOLOGY)** see subdivision under Azov Sea region
- TERTER VALLEY—GEOLOGY, STRATIGRAPHIC**
Presence of Danian and Lower Paleocene sediments in upper Terter Valley. Kh. Atifulla, O. B. Afiev. Dokl. AN Azerb. SSR. 22 no. 11 46-50 '66.
- TESTICLE**
Changes in the testes and epididymis in white rats during avitaminosis A. A. G. Bobkov. Biol. eksp. i med. 63 no. 4 113-115 Ap '67.
- TESTICLE—ABNORMALITIES AND DEFORMITIES**
Acute intestinal obstruction due to a seminoma of an ectopic testicle. A. Z. Nechiporenko. Urologia. 25 no. 3 61 My-Je '60.
Case of trichilemm. M. D. Vozitov, G. Z. Asadov. Urologia. 25 no. 3 65 My-Je '60.

TESTICLE—CANCER

Acute intestinal obstruction due to a seminoma of an ectopic testicle. V. Z. Nechiporenko. *Urologia* 25 no. 3 61 My-Je '60.

TESTICLE—TUMORS

Combined chemotherapy of testicular tumors resistant to sarcoyline. V. I. Astrakhan, P. A. Monul, Vop. onk. 13 no. 4:87-90 '67.

Hemangiomas of the spermatic cord and testicle. I. A. Ginzburg. *Urologia* 25 no. 3 52-55 My-Je '60.

TESTING

Determining the spectral density and correlation functions by processing oscillographic data of an experiment. S. I. Pchelkov. *Izv. vuzov ucheb. razv. mashinost.* no. 1 56-59 '67.

TESTING MACHINES

Device for checking gear wheels. L. M. Zvonareva, *Bkhl. tekhn., ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform.* 20 no. 4:29-30 Ap '67.

TESTING MACHINES—DESIGN AND CONSTRUCTION

For portable equipment for determining coal resistance to cutting. V. K. Trutimuk, L. V. Svatny, *Mosh i obor. dlia mekh. i avtomatiz. iud protv u gol.* prom. no. 3:449-454 '66.

TETANUS

Acid-base equilibrium in tetanus patients during the treatment with curarelike preparations combined with anticholinergic preparation. V. F. Dubrovskaja. *Sov. med.* 27 no. 8 60-65 Ag '64.

Functional state of the somatic musculature in the dynamics of tetanus intoxication. L. V. Donskaja, N. E. Zhebrovskaja, I. U. Makotra, *Fitiol. zhur.* 53 no. 1:438-442 Ap '67.

Molecular methods of treating tetanus: experience in treating 154 patients. G. N. Tsybaliak. *Klinurgiya* 13 no. 4 125-132 Ap '67.

TETANUS—PREVENTIVE INOCULATION

Study of the reactogenicity and effectiveness of aerosol immunization with pulverized bivalent vaccine against typhoid fever and tetanus. I. V. Vorontsov and others. *Voen., med. zhur.* no. 1 55-60 Ap '67.

TETRACAINE

Anesthesia of the respiratory tract. V. I. Semenov. *Sov. med.* 27 no. 8:11-11 Ag '63.

TETRACORALLA see subdivision under Fergana Province

TETRACYCLINE

Effect of various mutagenic factors on rate of Actinomycetes auxotrophic mutants, synthesizing tetracycline molecule derivatives. S. I. U. Goli-Dat, V. G. Makarevich, T. N. Laznikova. *Gnetika* no. 3 130-135 Mi '67.

Prolongation of tetracycline and monomycin by means of aqueous solutions of polyvinyl pyrrolidone. V. A. Kochetkova, G. B. Berkengetin, F. P. Sidelnikovskaja. *Antibiotiki* 12 no. 1:301-307 Ap '67.

TETRACYCLINE—THERAPEUTIC USE

Changes in metabolism of vitamins B₆, B₁₂, PP, pantothenic acid and vitamin C in chronic colitis of various etiology during tetracycline treatment. S. M. Bimenen and others. *Antibiotiki* 12 no. 4:343-347 Ap '67.

TETRALOGY OF FALLOP

Tetralogy of Fallot in infants, some problems of pathogenesis, clinical aspects and surgical treatment. B. A. Konstantinov. *Vest. AMN SSSR* 22 no. 1 78-84 '67.

TETRAZOLE

Staining Chlorella cells with tetrazole salts. V. A. Kozhann, K. O. Miatikova, V. H. Man'ko. *Mikrobiol. zhur.* 29 no. 2 114-117 Mi-Apr '67.

TEXTBOOKS

In the Department of Didactics and Methodology of the Academy of Pedagogical Sciences of the U.S.S.R. *Sov. pedagog.* 31 no. 4 153-155 Ap '67.

TEXTILE DESIGN

Are designers needed in the artistic workshops of enterprises? G. I. Derzhavin. *Tekst. prom.* 27 no. 4 80-82 Ap '67.

Responses to G. I. Derzhavin's article. D. S. Kudryavtsev and others. *Tekst. prom.* 27 no. 4 82-84 Ap '67.

TEXTILE FABRICS

Characteristics of the structure of interlaced-weave warp-pile fabrics. A. A. Arshian. *Leh. prom.* 8 no. 2 10-12 Mi-Apr '67.

In the Ministry of Light Industry of the U.S.S.R. *Tekst. prom.* 27 no. 4 96 Ap '67.

TEXTILE FABRICS—DRYING

Convective drying of woolen cloth. L. L. Dobrosredov, V. M. Korolev, V. G. Kolotilov. *Tekst. prom.* 27 no. 2: 74-76 F '67.

TEXTILE FABRICS—PRICES

New wholesale prices. L. M. Unshtet. *Tekst. prom.* 27 no. 2:21-24 F '67.

TEXTILE FABRICS—STANDARDS

Standards for textile fabrics and ready-made clothing. I. A. Lehtun. *Leh. prom.* 8 no. 2:29-32 Mi-Apr '67.

TEXTILE FACTORIES

(see also subdivision under Volga Valley)

Fixed capital of textile enterprises. V. A. Zenka. *Tekst. prom.* 27 no. 4 12-15 Ap '67.

Planning and effective use of capital investments. N. S. Kostorovskii. *Tekst. prom.* 27 no. 4 10-12 Ap '67.

TEXTILE FIBERS

Processing of staple fibers treated with the preparation "slayaviv." V. N. Kulakov. *Tekst. prom.* 27 no. 2:25-26 F '67.

TEXTILE FIBERS—TESTING

Determination of the hydrophilic characteristics of fibers. S. S. Volotskii, N. L. Garetovskaja, L. A. Kapunova. *Tekst. prom.* 27 no. 2:52-53 F '67.

TEXTILE FIBERS, SYNTHETIC

Paper-forming properties of acrylic fibers. S. I. Lerman, Z. L. Zozim. *Bum. prom.* no. 4:12-13 Ap '67.

Production of synthetic fibers from film. V. M. Butovich. *Tekst. prom.* 27 no. 4 27-29 Ap '67.

Properties of polyvinyl alcohol fibers (benzalon). P. I. Shimanovskii and others. *Tekst. prom.* 27 no. 4 27 Ap '67.

Study of the thermomechanical and filtration properties of a nitron fabric used for the purification of flue gases in the process of wet granulation of carbon black. V. P. Kuzkin, I. S. Demidova. *Nauch. i tekhn. zhur.* 26 no. 4 39-41 '67.

World production and consumption of synthetic fibers. L. M. Nemylova. *Leh. prom.* 8 no. 2 56-58 Mi-Apr '67.

TEXTILE FIBERS, SYNTHETIC—FINANCE see subdivision under Krasnoyarsk

TEXTILE FIBERS, SYNTHETIC—STATISTICS

Production of synthetic fibers. Butovich. *Tekst. prom.* 27 no. 2:84-85 F '67.

TEXTILE FIBERS, SYNTHETIC—TESTING

Shrinkage of synthetic fibers in various media. M. F. Zhukova, M. Kh. Berenshtein, A. P. Pisanenko. *Tekst. prom.* 27 no. 2:68-70 F '67.

TEXTILE FIBERS, SYNTHETIC, EFFECT OF RADIATION ON

Effect of radioactive radiation on polyamide and polyester yarns. M. N. Beltram. *Tekst. prom.* 27 no. 4 68-71 Ap '67.

TEXTILE FINISHING

Finishing of cord fabrics. A. P. Korlov and others. *Tekst. prom.* 27 no. 4 64-65 Ap '67.

Use of organosilicon compounds in the light industry. G. B. Nesemenova. *Tekst. prom.* 27 no. 4:93-91 Ap '67.

TEXTILE FINISHING—COSTS

Methodology for the calculation of finished fabrics in the finishing plant. E. D. Guregidze, L. P. Kolesova. *Tekst. prom.* 27 no. 2:44-47 F '67.

TEXTILE FINISHING—EQUIPMENT AND SUPPLIES

Reconstruction of silvery extenders. A. A. Belousov, V. R. Kuravin. *Tekst. prom.* 27 no. 1 62-63 Ap '67.

TEXTILE INDUSTRY

(see also subdivision under White Russia)

Industrial aesthetics and well-organized production. A. I. Vozdukhova. *Tekst. prom.* 27 no. 2:20-21 F '67.

International systems of units. A. K. Kiselev. *Tekst. prom.* 27 no. 2:87-89 F '67.

Interview with the Minister of the Light Industry of the R.S.F.S.R., comrade P. I. A. Kholostov. *Tekst. prom.* 27 no. 2:1-2 F '67.

Problems waiting for a solution. *Tekst. prom.* 27 no. 4 3-6 Ap '67.

TEXTILE INDUSTRY—BY-PRODUCTS

Organizing overall mechanization of the gathering of wastes in textile factories. P. P. Zotov. *Tekst. prom.* 27 no. 4 75-78 Ap '67.

TEXTILE INDUSTRY—EQUIPMENT AND SUPPLIES

Device for cutting skeins of elastic band. A. S. Bolev, I. A. Venteryk. *Leh. prom.* 8 no. 2:37 Mi-Apr '67.

Operation and modernization of fluff-removing devices. S. T. Kilbanov. *Tekst. prom.* 27 no. 2:71-73 F '67.

Unit for vertical conveying of finished and semifinished products. F. M. Plokhov. *Tekst. prom.* 27 no. 2. 73-74 F '67.

TEXTILE INDUSTRY—MANAGEMENT see subdivision under Leningrad

TEXTILE INDUSTRY—SAFETY MEASURES

(see also subdivision under Ryazan)

Operations in the safety engineering division of a chemical combine. I. S. Iudin. *Bezop. i tuda v prom.* 10 no. 4 20-31 Ap '66.

TEXTILE INDUSTRY—TABLES, CALCULATIONS, ETC.

Technological and economic problems. *Tekst. prom.* 27 no. 2:93-91 F '67.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS (see also subdivision under Ivanovo, Poland)

Efficiency promoters as developers of the technological progress. E. P. Shalina. *Tekst. prom.* 27 no. 4 94-95 Ap '67.

TEXTILE MACHINERY

Conveyor rubber belts for staple cutters of the Pacific-Converter type. G. A. Tzar'kov, B. V. Gukin. *Nauch. i issl. trudy TSNIMashvictal* no. 9:74-78 '64.

Cutoff device of the T-26 single-process machine. A. A. Blinov. *Tekst. prom.* 27 no. 2:26 F '67.

Modern machinery for newly-built factories and enterprises in operation. P. P. Iaminskii. *Tekst. prom.* 27 no. 1 7-10 Ap '67.

New automatic machine for the sorting of passers. A. V. Kufin, B. V. Karlov. *Tekst. prom.* 27 no. 4 78-79 Ap '67.

Overall mechanization of the recording and condemning section. A. I. Ganykin, A. M. Kokurin, N. A. Kuznetsova. *Tekst. prom.* 27 no. 4 17-18 Ap '67.

Precision of measuring the length of fabrics with condemning and recording machines. A. K. Mitushnik. *Tekst. prom.* 27 no. 2 56-57 F '67.

TEXTILE MACHINERY—MAINTENANCE AND REPAIR

Wages and bonuses for the repair personnel. M. G. Sobolev. *Tekst. prom.* 27 no. 2:77-70 F '67.

TEXTILE MACHINERY—TESTING

Testing the wear of bearing made from compressed wood. M. D. Karpov. *Tekst. prom.* 27 no. 2:30-32 F '67.

TEXTILE MACHINERY INDUSTRY see subdivision under Technograd; Uzbekistan

TEXTILE PRINTING

Study of the transfer of printing dyes to the fabric machine printing. F. I. Gidov and others. *Tekst. prom.* 27 no. 4 59-61 Ap '67.

TEXTILE RESEARCH see subdivision under White Russia

TEXTILE WORKERS see subdivision under Glushovka (Moscow Province), Ivanovo Province, Orekhovo-Zuyevo, Yaroslavl

TEXTUAL CRITICISM see Criticism, Textual

THALLIUM COMPOUNDS

Mechanism of extraction of trivalent thallium by tributyl phosphate from chlorole-sulfonic aqueous solutions. L. K. Chuchalin and others. *Zhur. neorg. khim.* 12 no. 3: 751-754 Mi '67.

Synthesis and properties of thallium chalcogenophosphides. V. I. Rigin, S. S. Batsanov. *Izv. AN SSSR. Neorg. mat.* 3 no. 4:721-722 Ap '67.

THALLIUM-GALLIUM ALLOYS see Gallium-thallium alloys

THALLIUM ORGANIC COMPOUNDS see Organothallium compounds

THAWING

Determining the thawing rate of a peat bog being worked. V. F. Mitin, I. U. V. Krasnov. *Trof. prom.* 44 no. 2:27-29 '67.

Marking points using steam thawing unit. V. V. Kelmenskii. *Gosd. i kart.* no. 3 13-14 Mi '67.

THEATER

(see also subdivision under Berlin, Georgia; Kaluga, Moscow, New Delhi; Perm, Sofia; Tartu; Tatar A.S.S.R.; Volgograd)

Dramaturgy and the present-day theater. A. Solodovnikov. *Kommunist* 44 no. 8 54-63 My '67.

Ilkovich, S. I. [Counterpoint of a stage director] Kontrapunkt r...

THEODOLITES

New F5 theodolite and results of its testing. P. I. Durneva, A. I. Spiridonov. *Geod. i kart.* no. 118-27 Mr '67.
Surveyor's table for theodolite. V. S. Iakunin. *Geod. i kart.* no. 312-34 Mr '67.

THEORY OF GROUPS see Groups, Theory of

THEORY OF KNOWLEDGE see Knowledge, Theory of

THEORY OF NUMBERS see Numbers, Theory of

THEORY OF POTENTIAL see Potential, Theory of

THEORY OF STABILITY OF MOTION see Stability of motion, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS

Etiopathogenesis and treatment of functional aphonia. P. E. Finchenko. *Voen.-med. zhur.* no. 3 29-32 Mr '67.

Treatment of Taeniarhynchus infestations. M. A. Shakhmurov and others. *Azerb. med. zhur.* 44 no. 4 43-45 Ap '67.

THERMAL ANALYSIS

Determination of salt system solidus by means of differential thermal analysis and electric conductivity. N. P. Burmistrova, E. G. Volozhanina, L. I. Markova. *Zhur. neorg. khim.* 12 no. 3 781-788 Mr '67.

Differential-Thermal Activation Method and its possibilities in the study of the thermal behavior of substances decomposing with the separation of gas phase. L. G. Berg, V. P. Kovyrzina. *Zhur. neorg. khim.* 12 no. 3 596-601 Mr '67.

Stability diagram of the system $MnCl_2 - NiCl_2$. N. G. Korzhimov, K. G. Khomikov. *Zhur. neorg. khim.* 12 no. 3 769-790 Mr '67.

Isothermal sections at 600° and 750° C of the phase diagram of the system molybdenum - titanium - zirconium. D. A. Prokoshkin, M. I. Zakharova. *Izv. AN SSSR, Neorg. mat.* 3 no. 1 87-93 Ja '67.

Peroxofluoride complex compounds of uranyl. A. M. Gurevich, N. A. Susorova, V. V. Kurbatov. *Radiokhim. i at. energ.* 9 no. 2 183-187 '67.

Preparation and thermographic study of nickel and cobalt monofluorides. G. D. Chachanidze, V. S. Varzashvili, N. G. Lezhava. *Sov. AN Gruz. SSR* 45 no. 2 383-388 F '67.

Reaction of gallium chloride with niobium and molybdenum pentachlorides. P. I. Fedorov, L. P. Khlegelva. *Zhur. neorg. khim.* 12 no. 3 812-819 Mr '67.

Solubility polytherm of the system disubstituted potassium phosphate - urea - water. A. D. Dzuev, V. G. Beigman. *Ukr. khim. zhur.* 33 no. 2 151-153 '67.

Solubility polytherm of the ternary system water - potassium nitrate - monoammonium phosphate. A. G. Beigman, L. V. Opedelenkova, A. D. Dzuev. *Ukr. khim. zhur.* 33 no. 2 285-287 '67.

Some features of the polytherms of the surface tension of water and aqueous solutions. A. N. Karginov, L. N. Efremov. *Izv. AN SSSR, Ser. khim.* no. 3 671-677 Mr '67.

Thermographic and thermogravimetric methods for determining the activation energy of dissociation processes. G. O. Ploian, O. S. Novikova. *Zhur. neorg. khim.* 12 no. 3 602-604 Mr '67.

Thermographic determination of heats of mixing of fused salts. B. I. Markov, S. V. Volkov, R. A. Lazarenko. *Ukr. khim. zhur.* 33 no. 2 221-222 '67.

Thermographic investigation of the system $PbO - PbTeO_3$. O. I. Tananava, A. V. Novoselova. *Izv. AN SSSR, Neorg. mat.* 3 no. 1 100-101 Ja '67.

Thermogravimetric study of compounds with B-P bonds. N. T. Kaznel'sov. *Izv. AN SSSR, Neorg. mat.* 3 no. 1 177-179 Ja '67.

THERMAL STRESSES

Approximate estimate of indices of metal strength in the zone of thermal stresses in welding low-alloy and carbon steels. G. A. Bal'chuk. *Svar. protzv.* no. 4 1-4 Ap '67.

Interaction between a dislocation lying at the surface layer of a thick plate and alternating thermal stresses. L. V. Tikhonov. *Fiz. met. i metallov.* 23 no. 4 377-584 Ap '67.

Thermal stresses caused by a nonuniform heating of a billet considering plastic deformations. M. I. Lankovskii, I. P. Ivanchenko, G. S. Kondrat'eva. *Prikl. mekh.* 3 no. 4 128-128 Ap '67.

Thermal stresses in a heated strip-plate transferring heat. I. U. M. Kollano, E. A. Pakula. *Prikl. mekh.* 3 no. 3 77-87 Mr '67.

THERMAL WATERS see subdivision under Don Valley; Volga Valley

THERMIONIC EMISSION

Calculating the kinetic reflection factor in a formula for the thermionic current from a plasma and a semiconductor. F. G. Bakoch, B. I. A. Mozhos, V. A. Nemchinskii. *Zhur. tekhn. fiz.* 37 no. 4 729-742 Ap '67.

Determining the work function and the blackbody coefficient of boron and of silicon by the method of the proper thermometer. E. I. Adirovich, L. M. Goldshtein. *Fiz. tver. tela* 9 no. 4 1258-1260 Ap '67.

Thermionic emission of some gadolinium borides. R. M. Manella, G. A. Meerson, L. P. Grishina. *Izv. AN SSSR, Neorg. mat.* 3 no. 1 54-60 Ja '67.

THERMISTORS

Use of thermistors in the measurement of a temperature difference. T. Klushina, S. Gadzhiev. *Radio no.* 2 53 F '67.

THERMIT

Structural in aqueous dispersions of monocell forms of monothermit. N. N. Kuglitskii, V. I. Orbenchenko. *Ukr. khim. zhur.* 33 no. 2 161-165 '67.

THERMOCHEMISTRY

Crystal chemical energy of some tetrahedral anion radicals. R. G. Grebenshchikov. *Izv. AN SSSR, Neorg. mat.* 3 no. 1 127-132 Ja '67.

Determination of the standard entropy of alkali metal halides based on their natural oscillations. N. N. Drozhin. *Zhur. fiz. khim.* 41 no. 4 819-821 Ap '67.

Fluorite phases in the systems $CaF_2 - LaF_3$, $SrF_2 - LaF_3$, $BaF_2 - LaF_3$. E. G. Ippolitov, L. S. Garschina, A. G. Maklachkov. *Izv. AN SSSR, Neorg. mat.* 3 no. 1 73-77 Ja '67.

Heterogeneity of the thermal decomposition of methane. N. V. Lavrov, S. P. Evlanov. *Dokl. AN SSSR* 173 no. 5 139-141 Ap '67.

Kinetics of decomposition of 3,3-dinitro-2-butanol in water under the effect of bases. I. U. N. Belokoni, V. M. Belikov. *Izv. AN SSSR, Ser. khim.* no. 3 528-532 Mr '67.

Mechanism of thermal decomposition of nitro compounds. V. A. Taratkovskii, S. L. Ioffe, S. S. Novikov. *Zhur. org. khim.* 3 no. 4 626-632 Ap '67.

New relationship between the kinetic characteristics of thermal decomposition and electric conductance of cobalt and nickel formates. B. V. Erofeev, M. V. Matrova, L. A. Moslova. *Dokl. AN SSSR* 173 no. 3 602-605 Mr '67.

Reactivity of nitrobenzene and its chloro derivatives. V. I. Zelkin and others. *Zhur. fiz. khim.* 41 no. 4 895-898 Ap '67.

Role of thermal dissociation in the processes of interaction of carbon with carbon dioxide and oxygen. N. V. Lavrov, G. P. Khaustovich. *Dokl. AN SSSR* 165 no. 8 1317-1319 D '65.

Study of cesium oxide and hydroxide by the electron impact method. A. M. Emel'yanov and others. *Teor. i eksper. khim.* 3 no. 2 226-232 Mr '67.

Thermal conversions of 1,3-cyclohexadiene and 1,4-cyclohexadiene. V. A. Mironova, A. A. Akhrem. *Izv. AN SSSR, Ser. khim.* no. 3 698-700 Mr '67.

Thermochemical kinetic investigation of N,N-dimethylnitrosamine. B. L. Koramskii and others. *Izv. AN SSSR, Ser. khim.* no. 3 525-528 Mr '67.

Thermochemical study of the nitrates of alkaline, alkaline earth elements, and lanthanum in mixed aqueous-glycerol solutions. G. A. Kreslov, I. V. Dgorova. *Teor. i eksper. khim.* 3 no. 1 128-131 Ja-F '67.

Thermochemistry of epoxide reactions. Z. A. Musharov, I. G. Kaufman, S. G. Emel's. *Zhur. fiz. khim.* 41 no. 4 858-863 Ap '67.

Thermodynamic analysis of reactions of components of alumina sintered materials with solutions. B. I. Arlink. *Zhur. prikl. khim.* 40 no. 4 753-758 Ap '67.

THERMODYNAMICS

Evaluation of thermodynamic ideality of the cycles of thermal power systems. V. I. Kononov. *Izv. vys. ucheb. zav. energ.* 10 no. 4 51-56 Ap '67.

Experimental investigation of the diffusion of a promptly heated substance and emerging pulse in case of energy concentrations lower than heat of evaporation. A. A. Kalmykov, I. V. Nemchikov, A. I. Potrukhin. *PMTF* no. 6 3-13 N-D '66.

Experimental study of steam content in nonequilibrium steam-water currents. E. I. Nevstueva, G. M. Dvorina. *Izv. AN SSSR, Energ. i transp.* no. 2 140-145 Mr '67.

Nernst postulate and theorem of ultimate stability states. V. K. Semenchuk. *Zhur. fiz. khim.* 41 no. 4 910-913 Ap '67.

Use of differential equations of thermodynamics in diagram plotting. M. A. Bazhenov, Sh. Sh. Sutishcheva. *Zhur. fiz. khim.* 41 no. 4 813-818 Ap '67.

THERMOELECTRIC GENERATORS

On one more extreme performance of a thermoelectrogenerator. V. P. Babin. *Zhur. tekhn. fiz.* 37 no. 3 570-583 Mr '67.

Thermal design of thermoelectric generators. L. S. Bozgin. *Izv. AN SSSR, Energ. i transp.* no. 2 100-115 Mr '67.

THERMOELASTICITY

Dynamic coupled problem of thermoelasticity for a half-space allowing for the finiteness of the heat distribution velocity. E. B. Popov. *Prikl. mekh.* 3 no. 2 328-334 Mr '67.

Problem of thermoelasticity for a multilayer plate. A. F. Rjabov. *Prikl. mekh.* 3 no. 4 15-23 Ap '67.

Quasi-stationary thermoelastic stresses in a ring cooled in a medium with constant temperature. I. U. S. Rudnitskii. *Dop. AN URSR* no. 10 1298-1303 '65.

THERMOELECTRICITY

Indirect interaction between electrons and holes by means of photons and its effect on the kinetic properties of semimetals. L. E. Guevich, I. A. Konobit. *Fiz. tver. tela* 9 no. 4 1195-1202 Ap '67.

Local levels in hexagonal selenium single crystals. M. I. Bakirov, N. Z. Dzhalilov. *Fiz. tver. tela* 9 no. 4 1244-1245 Ap '67.

Method of thermally stimulated current in the photoelectric regime. D. G. Semak, D. V. Chepur, V. F. Zolotarev. *Fiz. tver. tela* 9 no. 4 1242-1244 Ap '67.

Optimization of parameters of the multistage thermoelements consisting of semielements of arbitrary shape. V. P. Babin, E. K. Jordanovskii. *Fiz. i tekhn. poluprov.* 1 no. 3 449-451 Mr '67.

THERMOMAGNETISM

Nernst - Ettingshausen effect in doped n-type indium antimonide crystals. D. N. Nasledov, A. S. Filipchenko. *Fiz. i tekhn. poluprov.* 1 no. 2 221-224 F '67.

Quantum oscillations of the Nernst - Ettingshausen effect in n-InSb. R. I. Baehrov, M. M. Gadzhaliyev. *Fiz. i tekhn. poluprov.* 1 no. 3 442-443 Mr '67.

Studying dependence of the Thompson - Bakhmet'ev thermomagnetic effect in alloys of the systems Ni - Cu, Ni - Zn, Ni - Al, Ni - Sn. R. G. Annanov, T. M. Iusevov. *Fiz. met. i metallov.* 23 no. 4 764-767 Ap '67.

THERMOMETERS

GRT-1 depth thermometer. B. A. Nankov, V. B. Mullin. *Neteprom. delo* no. 4 36-38 '67.

THERMOMETRY

Measuring errors in the determination of the temperature of an electric arc. S. A. Sokolovskii. *Elek. scil. i sist.* no. 1 61-69 '65.

Use of the MOD-54 bridge for measuring temperature by a resistance thermometer. T. G. Kilai, O. Skala, I. A. V. Vasil'ev. *Zhur. fiz. khim.* 41 no. 4 936-937 Ap '67.

Use of thermistors in the measurement of a temperature difference. T. Klushina, S. Gadzhiev. *Radio no.* 2 53 F '67.

THERMOPLASTICS - WELDING

Role of technological deformations in making high-quality welds for joining reinforced films of complex composition. K. I. Zaitsev. *Svar. protzv.* no. 4 29-30 Ap '67.

THIAZADINE

Use of hypothiazide in chronic kidney diseases. I. U. D. Smil'ga. *Sov. med.* 27 no. 8 110-112 Ag '63.

THIAMINE

Activity of pyruvate dehydrogenase following introduction of excess thiamine into the body. I. U. M. Ostrovskii, L. A. Makarova-Kibak. *Biol. eksp. biol. med.* 63 no. 5 54-55 My '67.

Use of vitamins B1 and B12 in atherosclerosis. V. I. Lopushanskii. *Sov. med.* 27 no. 8 27-28 Ag '63.

THIAZOLE

Chemistry of free radicals of the hydrazine series. Part 45. Hydrazyl biradicals containing thiazole residues. R. O. Matvosian, D. P. El'chinov. *Zhur. org. khim.* 3 no. 3 561-564 Mr '67.

THIOCYANATES

Spectrophotometric determination of molybdenum in steels and alloys by the thiocyanate method using tartaric acid as reducing agent and ultraviolet light. I. P. Kharlamov, Z. P. Korobova. *Zhur. anal. khim.* 22 no. 2 278-280 F '67.

Stability on monothiocyanate complex of scandium. L. N. Komissarova and others. *Zhur. neorg. khim.* 12 no. 4 873-877 Ap '67.

Study of complex-forming processes in the system rhodium - thiocyanate from the standpoint of analytical applications. N. Jordanov, M. Pavlova. *Zhur. anal. khim.* 22 no. 2 212-217 F '67.

THIOCYANOGEN

Chemical immunization of plants as means for controlling leaf rust of wheat. I. M. Pollakov. *Trudy VIZR* no. 13 196-211 '58.

THIOLS

Carbon suboxide and some of its reactions. Part 27: Reaction of carbon suboxide with alkyl mercaptans. L. B. Dashikeyev, V. A. Pechenuk, *Zhur. org. khim.* 3 no. 4 636-637 Ap '67.

Instability constants of zinc complexes with some dimer-captoalkanesulfonic acids. A. T. Filipenko, O. P. Rubashko. *Ukr. khim. Zhur.* 33 no. 4 403-408 '67.

Reaction of trialkylphenylsilanes with mercaptans and thioacetic acid. N. V. Komarov, O. G. Iarosh, G. A. Kalabina. *Izv. AN SSSR, Ser. khim.* no. 3 690-692 Mr '67.

Reactions of hot atoms of sulfur 35 in the system CCl_4 - cyclo-C6H12. Part 2: Formation of labeled cyclohexyl mercaptan and penamethylene sulfide. B. G. Drantsov, A. P. Shvedchikov. *Radiochim. acta* 9 no. 2 276-278 '67.

THIOPHENEDICARBOXYLIC ACID

Polyamides with aromatic and heterocyclic links in the chain. Part 13. Polyamides on the basis of 2,5-thiophenedicarboxylic acid. V. P. Saizhevskaya, K. A. Kornev, S. E. Smil'nov, Z. M. Kovaleva. *Ukr. Khim. zh.* 33 no. 3 311-313 '67.

THORIUM

Co-crystallization of thorium with barium sulfate. N. G. Syromiatnikov, L. A. Tikhonova. *Rad. khim. i fiz.* 9 no. 2 251-253 '67.

Forms of thorium transposition in hydrothermal solutions. V. V. Shcherbina, Sh. A. Abakirov. *Geokhimiya* no. 2 239-240 '67.

THORIUM COMPOUNDS

Solubility product of thorium oxalate, composition, and constants of dissociation of oxalate complexes of thorium in aqueous solutions. A. I. Moskvina, L. N. Eason. *Zh. neorg. khim.* 12 no. 3:688-693 '67.

THORIUM HYDROXIDES

Use of a photometer for determining the solubility product of thorium hydroxide. P. N. Kovalenko, K. N. Bagdasaryan. *Zh. prikl. khim.* 34 no. 4:764-769 '67.

THOUGHT AND THINKING

Early stages in the development of thinking. S. Novoselova. *Dokl. vosp.* 40 no. 4:22-25 '67.

Memory. A. Turov. *Dokl. vosp.* 40 no. 4:80-86 '67.

TIRIPS see subdivision under Azerbaijan

THROMBELASTOGRAPHY

Coagulating and anticoagulating system of the blood and thrombelastography before, during, and following surgery on organs of the abdominal cavity. M. P. Postolov, T. U. Akimov. *Khirurgiya* 13 no. 1:105-111 '67.

THROMBOPLASTIN

Thromboplastic activity of various layers of the vascular wall in radiation sickness. I. A. Andrushko. *Bl. eksp. biol. i med.* 63 no. 5:29-32 '67.

THROMBOSIS

Atypical course of coronary thrombosis. A. L. Kravtsov. *Sov. med.* 27 no. 8:101-102 '67.

New approaches in the diagnosis of thrombosis and athero-embolism using lytic and coagulating agents. V. M. Bogdanov. *Vest. AN SSSR* 22 no. 1:43-48 '67.

THUNDERSTORMS

Securing uninterrupted communication during thunderstorms. G. B. Krasnaya. *Tran. p. i zh. nauch. i tekhn. i tekh. i tekhn.* no. 3:11-13 '67.

THYMIDINE

Study of the mitotic cycle of thyroid epithelium using thymidine-H³. R. A. Gubadulin. *Bl. eksp. biol. i med.* 63 no. 5:97-100 '67.

THYMUS GLAND

Histostructural changes in thymus gland following experimental ischemia. M. V. Shubinets, M. P. Zbyak, V. L. Zeltak. *Dop. AN URSR Ser. B* 29 no. 4:362-368 '67.

THYMUS GLAND—BLOOD SUPPLY

Authoradiographic observations on the plasticity restoration dynamics in the arterial channel of thymus gland in dogs. M. V. Shubinets. *Dop. AN URSR* no. 10:1368-1371 '65.

THYROID GLAND

Changes in weight of thyroid gland in silver foxes as related to conditions of maintenance, feeding, and general state of organism. M. V. Val'ner. *Trudy Mosk. vet. akad.* 16:74-83 '67.

Effect of hydrocortisone on the functionally excited thyroid gland. A. A. Volkovich, L. K. Leonova. *Bl. eksp. biol. i med.* 63 no. 5:87-90 '67.

Electron microscopic changes in the thyroid gland following local irradiation. S. I. Khramov, V. A. Gullacov. *Med. rad.* 12 no. 4:33-36 '67.

Growth inhibiting nutrition and its effect on age-related changes in the organism. Report No. 5. Functional condition of the thyroid gland of white rats of different age kept for a long time on growth inhibiting nutrition. I. I. Stavitskaya. *Uch. zap. KIGU* 131:147-159 '62.

Morphological analysis of the state of the hypothalamo-hypophyseal neurosecretory system and thyroid gland under conditions of chronic salt load. I. V. Yakovleva, I. A. Okhonskaya (Krasnovskaya), A. L. Polenov. *Bl. eksp. biol. i med.* 63 no. 4:91-95 '67.

Reaction of tissues of the thyroid gland to stimulants in different states of hormonal balance and radiation sickness. P. V. Dunaev. *Bl. eksp. biol. i med.* 63 no. 4:109-112 '67.

Study of the mitotic cycle of thyroid epithelium using thymidine-H³. R. A. Gubadulin. *Bl. eksp. biol. i med.* 63 no. 5:97-100 '67.

THYROID GLAND—BLOOD SUPPLY

Morphological and electron microscopic characteristics of blood vessels of the thyroid gland under normal conditions and in tumor degeneration in rats. N. V. Kiylova, N. P. Dmitrieva. *Ark. anat., gist. i emb.* 52 no. 4:64-70 '67.

THYROID GLAND—DISEASES

Functional state of the thyroid gland in cancer of the stomach. N. N. Apletova. *Vop. eksp. onk.* no. 2:111-148 '66.

Histological changes in the thyroid gland in de Quervain's thyroiditis. L. N. Narodetskaya. *Ark. pat.* 29 no. 4:30-53 '67.

Radioisotope examination of the liver in diseases of the thyroid gland. V. N. Slavov. *Med. rad.* 12 no. 4:53-57 '67.

THYROID GLAND—TUMORS

Antigenic simplification of thyroid tumors. B. S. Sinakov and others. *Bl. eksp. biol. i med.* 63 no. 5:80-84 '67.

Morphological and electron microscopic characteristics of blood vessels of the thyroid gland under normal conditions and in tumor degeneration in rats. N. V. Kiylova, N. P. Dmitrieva. *Ark. anat., gist. i emb.* 52 no. 4:61-70 '67.

Some biochemical and functional characteristics of the blastomeres of the thyroid gland in golden hamsters caused by 6-methylchol. R. N. Akimova, G. I. Kulik. *Vop. eksp. onk.* no. 2:133-141 '66.

TIBIA—FRACTURE

Restorative operations in pseudarthroses and defects of tibial diaphysis. O. N. Gudushauri, N. P. Ivanova, O. A. Ushakova. *Ortop., travm. i protez.* 28 no. 4:3-7 '67.

TICKS

(see also subdivision under Chuvashia, Tyumen' Province)

Intergeneric copulation in ixodid ticks (Ixodidae). I. U. S. Kalinina. *Zool. zh.* 46 no. 2:293-291 '67.

TICKS AS CARRIERS OF DISEASE

Ability of ticks *Hemaphysalis japonica* Nutt. et Warb. and *H. neumanni* D. to act as carriers of Rickettsia under experimental conditions. N. P. Belikova, G. P. Somov. *Dokl. AN SSSR* 173 no. 4:981-983 '67.

TIDAL WAVES

Numerical solution of the problem of the propagation of semidiurnal tidal waves (M_2 and S_2) in the world ocean. K. T. Bogdanov, V. A. Magarik. *Dokl. AN SSSR* 172 no. 6:1315-1317 '67.

TIDES

Quasi-periodical characteristics of long-period variations of the tide-generating force of the moon and the sun. I. V. Maksimov, V. N. Vorob'ev, B. V. Gindyshev. *Geomag. i aer.* 7 no. 2:323-327 '67.

TIENTSIN—ANTS

Biology of Formica sanguinea Latr. (Hymenoptera, Formicidae) in Tientsin. P. I. Markovskii. *Ent. obozr.* 46 no. 1:81-91 '67.

TIENTSIN—ATMOSPHERIC PRESSURE

Aperiodic changes of pressure in high-mountain regions of Tientsin. N. N. Romanov and others. *Nauch. trudy TashGU* no. 270:72-77 '66.

TIENTSIN—GEOLOGY, STRATIGRAPHY

Riparian of western part of central Tientsin. G. I. Makarychev, T. G. Pavlova. *Bl. MOIP, Old. geol.* 42 no. 1:15-19 '67.

TIENTSIN—MILDEW

Powdery mildew in southwestern parts of Tientsin. F. G. Akhmedova. *Nauch. trudy TashGU* no. 291:105-110 '66.

TIENTSIN—PRECIPITATION (METEOROLOGY)

Winter precipitation in Tientsin. I. F. Medvedeva. *Nauch. trudy TashGU* no. 270:144-147 '66.

TIFLIS—MICROCLIMATOLOGY

Climatic microzonation of the suburban region of Tbilisi for the construction and location of Government agencies and resthouses. G. I. Beridze. *Trudy GPI (Gruz.)* no. 2:51-60 '64.

TIFLIS—WATER SUPPLY

Improvement of the water supply system of Tbilisi. A. S. Zedginidze, K. A. Kutateladze, I. V. Gogelashvili. *Trudy GPI (Gruz.)* no. 2:101-106 '64.

TIFLIS—TELEVISION PROGRAMS

A conversation on a serious matter. M. Bellavskii. *Sov. radio i tel.* 0 no. 6:22-24 '60.

TIFLIS REGION—DRINKING WATER—ANALYSIS

Chemical analysis of drinking waters in the Tiflis region. M. Bekava, V. Khikhiia, L. Khintidze. *Trudy Tbil. GU* 74:361-368 '59.

TIKHONOV, ANDREI NIKOLAEVICH, 1906-

A. N. Tikhonov's studies on computing mathematics. A. A. Samarski. *Usp. mat. nauk* 22 no. 2:176-188 '67.

A. N. Tikhonov's studies on mathematical physics. V. I. Dmitriyev, A. G. Sveshnikov. *Usp. mat. nauk* 22 no. 2:138-149 '67.

A. N. Tikhonov's studies on methods of solving incorrectly formulated problems. V. A. Il'in. *Usp. mat. nauk* 22 no. 2:168-175 '67.

A. N. Tikhonov's studies on topology and functional analysis. P. S. Aleksandrov, S. V. Fomin. *Usp. mat. nauk* 22 no. 2:134-138 '67.

Andrei Nikolaevich Tikhonov on his 60th birthday. P. S. Aleksandrov, V. A. Il'in. *Usp. mat. nauk* 22 no. 2:133-134 '67.

Works of A. N. Tikhonov on mathematical physics. A. A. Samarski, V. A. Il'in, A. G. Sveshnikov. *Izv. vys. ucheb. zav., fiz.* 10 no. 2:164-168 '67.

TILLAGE

(see also subdivision under Lugansk Province)

Depth of the fall tillage in sandy-loam soils and the yield of potato tubers. B. D. Blalov. *Vest. AN BSSR, Ser. sel'khoz. nauch.* no. 1:39-42 '67.

Effectiveness of the rolling of soils. L. Roktanev, V. Kolobova, A. Ivanov. *Zemledelie* 29 no. 4:33-35 '67.

Kashkayev, A. K. [Agronomical bases of the intertillage cultivation of cotton in crop rotation] *Agronomicheskie osnovy mezhuradnoi obrabotki khlopkhatnika v sevo-oborote*. Tashkent, 'Uzbekistan', 1966. 93 p. (DNA)

Preservation of moisture in fields after harvesting. I. U. Adamlak. *Zemledelie* 29 no. 4:36 '67.

TILLAGE—EQUIPMENT AND SUPPLIES

Ways for reducing the power consumption by rototillers. D. Z. Siatinskii. *Trakt. i sel'khoz. mash.* no. 4:32-34 '67.

TIMAN RANGE—GEOLOGY, STRATIGRAPHY

New data on age of Zelenetskoy and Nyumylgayskoy C₁ formations and prospects for finding bauxites and other deposits in Timan-Pechora region. V. F. Semova, V. A. Kaluzhnyi. *Dokl. AN SSSR* 173 no. 2:403-406 '67.

TIN—PHYSIOLOGICAL EFFECT

Comparative study of the antihelminthic properties of some organic compounds of tin. A. I. Farceva, G. M. Bozdina. *Farm. i toks.* 30 no. 2:207-209 '67.

TIN ALLOYS—DENSITY

Density of alloys in binary metal systems Sn - Pb, Sn - Zn, Sn - Bi. S. V. Novostygnin, E. A. Beloborodova, G. I. Batalina. *Uch. zh. khim. zh.* 33 no. 3:277-279 '67.

TIN-ANTIMONY-TELLURIUM ALLOYS

Electron diffraction study of the structure of SnSb₂Te₄. A. G. Talykov. *Kristallografiya* 6 no. 1:40-55 '61.

TIN CHLORIDES

Synthesis and infrared spectra of complexes of tin chloride with vinyl and ethyl ethers of p-aminophenols. K. V. Zapunina and others. *Zh. ob. khim.* 37 no. 3:571-576 '67.

TIN COMPOUNDS—SPECTRA

Some properties of acid tin (II) ethylenediaminetetraacetate. R. N. Lobedeva, E. M. Akimov, E. F. Emiltin, Zh. neorg. khim. 12 no. 4:1093-1094 '67.

TIN ORES see subdivision under Soviet Far East

TIRE INDUSTRY see subdivision under Erivan

TIRE INDUSTRY—CONGRESSES

Conference of the workers of the tire industry held in Dnepropetrovsk. V. A. Zhelezov. *Kauch. i rez.* 26 no. 4:53-54 '67.

TIRE INDUSTRY—HYGIENIC ASPECTS

Air purification in the preparatory works of tire plants. E. V. Sazonov. *Bezop. iruda v prom.* 10 no. 10:20-22 '66.

TIRE INDUSTRY—QUALITY CONTROL

Economic information on production quality. V. Siskov, B. Belov. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 4:68-73 '67.

TIRES, RUBBER—MAINTENANCE AND REPAIR

Flaw detection of tires in repairing. A. Sokolov and others. *Avi. tranp.* 45 no. 4:43-44 '67.

TISSUE CULTURE

Comparative characteristics of histochemical and biochemical changes in tissue cultures infected with adenoviruses. D. B. Golubov and others. *Bl. eksp. biol. i med.* 63 no. 5:44-48 '67.

Electron microscopic study of primary trypsinized cell culture. V. A. Shukhinov. *Vop. eksp. onk.* no. 2:84-89 '66.

TISSUE CULTURE (Continued)

Experience in obtaining tissue cultures from Brown-Pearce carcinoma M. S. Parfenova. Vop. eksp. onk. no. 2 90-92 '66

Induced organogenesis and characteristics of plants produced in the tissue culture of tobacco R. G. Butenko, Z. B. Shamina, L. V. Fiolova. Genetika no. 3 29-39 Mr '67.

New method of inducing Toxoplasma in tissue cultures G. T. Afanashina, G. D. Zasukhina. Biol. eksp. biol. med. 63 no. 4 119-121 '67

Virological and cytological study of Coxsackie virus effect on tissue culture cells. I. S. Tsvetkov, V. M. Irtvin. Mikrobiol. zhur. 29 no. 2 139-146 Mr-Apr '67

TISSUE EXTRACTS

[Use of tissue preparations in animal husbandry and veterinary medicine, materials of the 2d scientific industrial conference, 1964] Primcheniye k nakanovym preparatam v zhivotnovodstve i veterinarii, materialy II nauchno-proizvodstvennoi konferentsii - 1964 g. Kiev, Urozhai, 1966, 389 p. (DNAL)

TISSUES—TRANSPLANTATION see Transplantation of organs, tissues, etc.

TITANIUM

(see also subdivision under Ukraine)

Extraction of titanium (IV) by tributyl phosphate from hydrochloric acid solutions in the presence of salting-out agents. V. N. Staritsyn, E. I. Kuylov. Zhur. neorg. khim. 12 no. 3 762-763 Mr '67.

Nonlinear phenomena in the operation of a titanium plasma source. E. D. Andriukhina, I. S. Shipigol. Zhur. tekhn. fiz. 37 no. 5 894-902 May '67

TITANIUM—ANALYSES

Reaction of titanium with 3-(2-pyridyl)-1-azo-1-ethanol M. I. Shokalo. Ukr. khim. zhur. 33 no. 3 319-323 '67

TITANIUM—ELECTROMETALLURGY

Effect of certain technological factors on the electric refining process of scrap metal of titanium and its alloys N. I. Ivanova, Z. N. Balashova. Izv. AN SSSR. Met., no. 2 64-70 Mr-Apr '67.

TITANIUM—METALLURGY

Reduction of titanium concentrates in melts by gaseous reducing agents. S. I. Denisov, V. S. Degtyarev. Zhur. prikl. khim. 40 no. 4 767-775 '67

TITANIUM—SPECTRA

Studying X-ray spectra of titanium in nitride and carbide V. I. Chukov, S. M. Blokhin, P. E. Vatshteyn. Fiz. tverd. tela 9 no. 4 116-121 Apr '67

TITANIUM, EFFECT OF TEMPERATURE ON

Characteristics of the hot deformation of titanium and its alloys. V. B. Lashkov, I. A. Tainovskii, N. E. Krasnikov. Kuz.-svartn. proty. 9 no. 3-9-12 Mr '67.

TITANIUM ALLOYS

Neutronographic determination of the structure of Ti-Fe and Ti-Co alloys A. V. Doroshenko, S. A. Nemnovov. S. K. Shidlov. Fiz. met. i metalloved. 23 no. 3 562-563 Mr '67.

Oxidation rate of titanium and its alloys in the air at high temperatures. I. S. Antov, S. A. Gorbunov. Zhur. prikl. khim. 31 no. 4 725-734 Apr '61.

TITANIUM ALLOYS—ELECTROMETALLURGY

Grinding of cathode and anode materials in electrolyte refining of titanium alloys. I. V. G. Olesov and others. Ukr. khim. zhur. 33 no. 2 211-215 '67.

TITANIUM ALLOYS—METALLOGRAPHY

Studying part of the system Ti-Al-Cr-Fe-Si-B. V. S. Mikheev, T. S. Chernova. Izv. AN SSSR. Met., no. 2 206-208 Mr-Apr '67.

TITANIUM-ALUMINUM ALLOYS

Residual strains and stresses caused by welding of flat sheets of titanium-aluminum alloys V. M. Sagalovich. Izv. vys. ucheb. zav. mashinost. no. 1 190-192 '67

TITANIUM-ALUMINUM ALLOYS—ELECTRIC PROPERTIES

Electric resistance in titanium-aluminum alloys at 78-378°K V. M. Raetskii. Fiz. met. i metalloved. 23 no. 4 749-751 Apr '67.

TITANIUM-ALUMINUM ALLOYS—THERMAL PROPERTIES

Resistance to oxidation of titanium-aluminum alloys. V. V. Glazova. Izv. AN SSSR. Met., no. 2 219-221 Mr-Apr '67.

TITANIUM CARBIDES

Carbon diffusion in vanadium and titanium carbides. V. S. Ermechev, A. S. Pavov. Porosh. met. 7 no. 1 65-69 Apr '67.

High effect in titanium monochalcide at high temperatures. O. A. Golikova and others. Fiz. i tekhn. poluprov. 1 no. 2 293-295 F '67

Mass spectrometric study of vapor composition over Ti-C and Zr-C systems. T. S. Starostina and others. Izv. AN SSSR. Neorg. mat. 3 no. 4 727-728 Apr '67.

Process of titanium carbide powder pressing. L. I. Struk. Izv. AN SSSR. Neorg. mat. 3 no. 4 624-629 Apr '67.

TITANIUM CHLORIDES

Reaction of titanium tetrachloride with silica gel S. I. Kol'tsov, V. B. Altskovskii. Zhur. prikl. khim. 40 no. 4 907 Apr '67.

TITANIUM CHLORIDES—DENSITY

Orthobaric densities and critical parameters of TiCl₄ and VOCl₃ and density of their mixtures L. A. Nisipson, K. V. Tret'yakova. Zhur. neorg. khim. 12 no. 1 857-859 Apr '67.

TITANIUM COMPOUNDS

Application of physicochemical analysis to the solution of the problem involved in the production of titanium and its compounds by the chlorination method D. I. Topilgin, I. S. Mosozov. Zhur. prikl. khim. 34 no. 4 713-725 Apr '61

TITANIUM COMPOUNDS—SOLUBILITY

Study of the system TiO₂-Fe₂O₃-SO₃-H₂O by the methods of solubility and spectrophotometry I. A. G. Goroshchenko, E. K. Sikorskaya. Ukr. khim. zhur. 33 no. 4 361-366 '67

TITANIUM-HAFNIUM ALLOYS see Hafnium-titanium alloys

TITANIUM-IRON ALLOYS—SPECTRA

X-ray spectroscopy of the energy spectrum of Ti-Fe alloys. S. A. Nemnovov, K. M. Kolobova. Fiz. met. i metalloved. 23 no. 3 456-462 Mr '67.

TITANIUM-MOLYBDENUM-ZIRCONIUM ALLOYS see Molybdenum-titanium-zirconium alloys

TITANIUM-NIOBIUM ALLOYS see Niobium-titanium alloys

TITANIUM OXIDES

Compatibility of magnesium oxide with titanium monoxide. E. A. Balakir and others. Izv. AN SSSR. Neorg. mat. 3 no. 4 685-690 Apr '67.

Crystallization of slag glasses. Titanium-containing glasses. N. M. Pavlyushkin and others. Izv. AN SSSR. Neorg. mat. 3 no. 4 733-736 Apr '67.

Growth of TiO₂ particles in the process of thermal hydrolysis. I. U. D. Dolmatov, I. A. Bobyrenko, A. I. Shinkman. Zhur. prikl. khim. 40 no. 1 111-113 Apr '67.

Reduction of titanium-titanium concentrates in the solid phase without fusion M. B. Rapoport, V. M. Kozlov. Zhur. prikl. khim. 34 no. 4 734-743 Apr '61.

Sizes of crystallites of TiO₂ sol nuclei depending on the conditions of their synthesis. I. U. D. Dolmatov, A. I. Shinkman, I. U. D. Dolmatov. Zhur. prikl. khim. 40 no. 4 716-722 Apr '67.

Some results of X-ray spectral study of chemical bond in titanium oxides of variable composition (TiO_{2-x}, x = 1-0.2). V. I. Chukov, E. E. Vamshtein. Dokl. AN SSSR 185 no. 6 1351-1357 D '65.

TITANIUM OXIDES—THERMODYNAMICS

Use of EMF with solid electrolyte for studying the thermodynamic properties of higher titanium oxides. A. N. Golubenko, T. N. Reznukhina. Izv. AN SSSR. Neorg. mat. 3 no. 1 101-106 Jan '67

TITANIUM PLATING

Conditions for the electrodeposition of titanium film in chloride melt. Part 2: Effect of some parameters of electrolysis on the deposition rate of titanium film fused chlorides. V. P. Elutin, N. S. Lysov, U. I. A. Andreev. Elektrokhimia 3 no. 4 132-135 Apr '67.

TITANIUM-TANTALUM ALLOYS

Phase diagram of the titanium-tantalum system. P. B. Budberg, K. I. Shalidova. Izv. AN SSSR. Neorg. mat. 3 no. 4 656-660 Apr '67.

TITANIUM-ZIRCONIUM-CHROMIUM ALLOYS—METALLOGRAPHY

Fusibility diagram of the system Ti-Zr-Cr. I. I. Kornilov, O. K. Belousov, R. S. Mashev. Izv. AN SSSR. Met., no. 2 201-203 Mr-Apr '67.

TITRATION

Determination of small amounts of palladium by means of catalytic titration. T. I. Fedorova, K. B. Iatsinskii. Zhur. anal. khim. 22 no. 2 283-285 F '67

Direct titrimetric determination of nitrite and sulfuric acids in aqueous solutions of their mixtures. M. B. Talshevskaia. Zhur. anal. khim. 22 no. 2 289-290 F '67.

TKIBULI REGION (GEORGIA)—COAL MINERS—DISEASES AND HYGIENE

Pkhakadze, G. S. [Ways of eliminating ankylostomiasis in Tkibuli coal mines] Puti likvidatsii anklostomoza v Tkibul'skikh ugol'nykh shakhtakh Tbilisi, Sabchota Sakartvelo, 1964. 121 p. (DNLM)

TKIBULI REGION (GEORGIA)—HOOKWORM DISEASE

Pkhakadze, G. S. [Ways of eliminating ankylostomiasis in Tkibuli coal mines] Puti likvidatsii anklostomoza v Tkibul'skikh ugol'nykh shakhtakh Tbilisi, Sabchota Sakartvelo, 1964. 121 p. (DNLM)

TOBACCO

Quantitative determination of volatile phenols of tobacco smoke. I. G. Mokhnachev, D. N. Latsava. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 17-40 '67.

TOBACCO—ANALYSIS AND CHEMISTRY

Extraction of aromatic substances from tobacco by liquid carbon dioxide. V. V. Chernikov and others. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 103-105 '67.

TOBACCO—CONGRESSES

A congress in Athens, G. S. Ilin. Izv. AN SSSR. Ser. biol. no. 3 160-171 May-June '67

TOBACCO—DRYING

Kinetics of the final drying of tobacco with a high moisture content. I. I. D'yachkin, L. A. Novikova. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 106-107 '67.

TOBACCO—GENETIC RESEARCH

Induced organogenesis and characteristics of plants produced in the tissue culture of tobacco. R. G. Butenko, Z. B. Shamina, L. V. Fiolova. Genetika no. 3 29-39 Mr '67.

TOBACCO—PHYSIOLOGICAL EFFECT

Changes in the respiratory tract in rabbits under the continuous effect of tobacco smoke. G. E. Georgadze, P. N. Krasnianskaya. Vop. onk. 13 no. 4 58-62 '67.

TOBACCO INDUSTRY see subdivision under Kiev

TOBACCO INDUSTRY—ACCOUNTING see subdivision under Caucasus, Northern

TODADZE, ERMOLAI VESARIONOVICH, 1890-7

Professor E. V. Todadze, on his 70th birthday O. G. Chumbaridze. Urologia 25 no. 3 2-93 May-June '60.

TOILET PREPARATIONS

New toothpastes N. V. Mironyuchenko, H. O. Mironyuchenko. Fiz. i khim. no. 2 31 Mr-Apr '67

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

Dol'shakov, L. N. [Close ties: Lev Tolstoy and his Chuvash correspondents] Zhivye niti: Lev Tolstoy i ego chuvashskie korrespondenty, Cheboksary, Chuvashskoe knizhnoe izd-vo, 1965. 74 p. (CaOTU)

Kandiev, B. I. [L. N. Tolstoy's epic novel "War and Peace", a commentary] Roman-epopeya L. N. Tolstogo "Voyna i mir"; kommentari. Moskva, Prosveshchenie, 1967. 388 p.

Operetta on Mars M. Reidel', Sov. radio i tel. 9 no. 2 38-39 '60.

Some features of the creative method of the "later" L. Tolstoy E. P. Baryshnikov. Uch. zap. MGPI 248 257-271 '66

TOLUENE

Condensation of toluene and methanol on synthetic zeolites with ion-exchange cations of alkaline earth metals P. V. Il'yeh and others. Dop. AN URSS. Ser. B 29 no. 1 61-64 Jan '67

Production of toluene for liquid scintillators. N. A. Kas'lanova, E. P. Nesynov. Zhur. prikl. khim. 34 no. 4 950-951 Apr '61.

TOMATO JUICE

Method for the calculation of the content of dry matter in the processing of tomato juice. I. A. Koval', Koms. i ov. prom. 22 no. 4 31-34 Apr '67.

TOMATO PRODUCTS

Dispersion degree of tomato pulp. A. F. Fan-Iung, A. A. Oganesian. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 87-88 '67.

TOMATO WILT

Verticillium wilt of tomatoes. T. A. Tarunina. Zashch. rast. 12 no. 4 57-58 '67.

TOMATOES see subdivision under Karabakh Steppe

TOMATOES—FERTILIZERS AND MANURES

Comparative effectiveness of various forms of phosphorus fertilizers for vegetables. M. G. Shelkova. Agrokhim. mila no. 4 31-37 Apr '67.

Increasing the yielding capacity of tomatoes using NPK foliar feeding with addition of growth promoting substances. A. I. Kovalev. [Trudy] KHSSR 57 39-42 '66

TOMSK—RADIOBROADCASTING

Conservation about a painful subject. N. Lavrovskii. Sov. radio i tel. 9 no. 3 11-12 '60.

TOMSK—TELEVISION BROADCASTING

A story about Siberia I. Uslov. Sov. radio i tel. 9 no. 3 31 '60

TOMSK—UNIVERSITIES AND COLLEGES—GRADUATE WORK

A decisive factor in postgraduate training. Z. V. Stenina. Vest. v. s. shkoly. 25 no. 3 15-47 M. '67

TONGUE—BLOOD SUPPLY

Blood supply of the pharyngeal part of the human tongue. N. V. Termon. Zhur. ush., nos. i goi. bol. 20 no. 2-37-40 Mr.-Ap. '60.

TONSILS—DISEASES

Bohrovskii, N. A., and A. S. Tokman. [Angina and chronic tonsillitis] Angina i khronicheski tonzillit. Moskva, Znaniye, 1967. 31 p. (Natsionalnyi universitet Fakul'tet zdrav'ia, 9)

TONSILS—SURGERY

Case of paresis of the facial nerve following anesthesia for tonsillectomy. V. T. Agayev. Azerb. med. zhur. 44 no. 1 86 Ap. '67.

TOOL STEEL

Steels for pneumatic chisels. N. K. Ipatov. Stal' 20 no. 5 465-467 M. '60

TOOL STEEL, EFFECT OF TEMPERATURE ON

Mechanical properties of high-strength steels at high temperatures. V. G. Kirochuk. I. V. Papisov. Izv. v. s. ucheb. zav. i Chern. met. 10 no. 3 131-132 '67

TOOLS

A device for hole cutting. Shkola i proizvod. 11 no. 1 14 Fa. '67

The drill. I. Sandonitski. Sem'ia i shkola. 21 no. 10 62 O. '66

Profile cutting tool for the manufacturing of wooden handles. I. E. Shum. Shkola i proizvod. 11 no. 3 58 M. '67

Universal device for practical work in the field. V. I. Davozhenko. Rad. shk. 15 no. 1 105 Ap. '67.

A vise with a rotating device. G. I. A. Gorlachev. Shkola i proizvod. 11 no. 1 12-16 Ju. '67.

TOOLS—RESEARCH see subdivision under Prague

TOPAZ—OPTICAL PROPERTIES

Light absorption surfaces of a blue topaz. S. V. Gumen'ko. Zhurnal i other. Kristallografiya. 6 no. 1 67-71 Ju. '67.

TOPOGRAPHICAL SURVEYING

Airborne visual interpretation in 1:25000 topographical surveying. A. S. Sudakov. Geod. i kart. no. 3 53-58 Ju. '67

New developments in awarding bonuses to workers employed in topographical surveying enterprises and organizations. Consultation. I. I. Denisov. L. P. Ipatov. Geod. i kart. no. 3 70-71 M. '67

TOPOLOGY

N. N. Tikhonov's studies on topology and functional analysis. P. S. Aleksandrov. S. V. Fomin. Usp. mat. nauk. 22 no. 2 134-138 M.-Ap. '67.

Compact spaces. V. A. Efremovich. A. G. Moislovich. V. I. Sandberg. Dokl. AN SSSR. 172 no. 6 1251-1257 P. '67

Linear operators in a space with two topologies. I. A. Novosel'ski. Izv. AN Mold. SSR no. 4 39-46 '66.

Symmetrizable spaces and mappings. S. I. Nedev. Dokl. AN SSSR. 173 no. 3 523-525 M. '67.

Topological classification of singular points and generalized Liapunov functions. V. V. Nemitski. Dif. uravn. 3 no. 3 359-370 M. '67.

Topological imbeddings of polyhedra in Euclidean spaces. A. V. Chirnyanski. Dokl. AN SSSR. 165 no. 6 1257-1260 D. '65.

TORQUE

Determining torque during blooming mill rolling along vertical component of metal pressure upon rolls. A. P. Chelomayev and others. Nauch. trudy Dnepr. inst. chern. met. 21-201-211 '65.

Effect of kinematic characteristics on torque during cold pipe rolling. I. S. Seidalev, G. A. Slusin, I. F. Shevchenko. Izv. v. s. ucheb. zav. i Chern. met. 10 no. 3 80-83 '67.

Effect of the neutral line position in shaped passes on torque distribution between rolls. A. A. Nefedov and others. Izv. v. s. ucheb. zav. i Chern. met. 10 no. 4 60-63 '67.

Starting a tractor with the amplifier of the torque. K. I. A. L'vovskii. Trakt. i sel'khoz. mash. no. 4 6-9 Ap. '67. Studying effect of torsional and specific moments of effectiveness of drilling. V. I. Statostin. Burenko no. 3 5-8 '67.

TORQUE—MEASUREMENT

Dynamometer with semiconductor strain gauges for measuring motor torques. G. I. Smagin and others. Stal. i met. 38 no. 1 35-36 Ap. '67.

Results of plant tests of hydraulic torque meters. I. Kh. Zil'berman. Burenko no. 3 39-41 '67.

TOSNO (LENINGRAD PROVINCE)—HISTORY

Sokolinski, Z. S. Tosno. [Leningrad] Leningrad, 1967. 64 p. illus.

TOUCH

New variation of the methodology of studying tactile and pain sensitivity in man. V. A. Safonov. Fiziol. zhur. 53 no. 3 357-359 M. '67.

TOURISM

Changes in the development and geography of international tourism. M. A. Annin'ev. Izv. AN SSSR. Ser. geog. no. 2 37-40 Mr.-Ap. '61.

TOURISTS, RUSSIAN see subdivision under Bulgaria

TOURMALINE—ANALYSIS

Determining ferrous oxide in tourmaline. K. K. Gumbart. Trudy VSEGEI. 125 170-171 '66.

TOXICOLOGY

Prevention of toxic action of anticholinesterase preparations by means of antihistaminic substances. P. I. Dvalitova. Farm. i toks. 10 no. 2 148-149 M.-Ap. '67

Selection of tolerance index in toxicological research. V. B. Prokhorovskii. Farm. i toks. 10 no. 2 240-243 M.-Ap. '67.

TOXINS AND ANTITOXINS

Accumulation of toxin causing dictyotoxic aleukia in organs of animal body. V. S. Shestak. Trudy Oren. otd. Vses. fiziol. ob-va no. 3 270-273 '64.

Effect of pH medium and thermal treatment of Salmonella pullorum culture filtrates on their toxicity. I. U. V. Pytula. Mikrobiol. zhur. 29 no. 2 133-139 M.-Ap. '67

Joint effect of Clostridium perfringens, C. oedematis and C. septicum toxins and Clostridium botulinum products on hemolytic and lethal toxin properties. A. V. Tselikh. Mikrobiol. zhur. 29 no. 2 120-133 M.-Ap. '67.

Observations on potentialization of Clostridium perfringens and Clostridium histolyticum toxins in their combined action. A. I. Mityayev. Mikrobiol. zhur. 29 no. 2 125-129 M.-Ap. '67.

TOXOPLASMA

New method of indicating Toxoplasma in tissue cultures. G. T. Akhshina. G. D. Zaslavskaya. Biol. eksp. i med. 63 no. 4 119-121 Ap. '67

TOXOPLASMOSIS

Clinical course of toxoplasmosis and the morphological picture of the placental tissue. K. M. Medzhidova. Mamedova. Azerb. med. zhur. 44 no. 4 51-60 Ap. '67.

Results of examination for toxoplasmosis in patients with otologically obscure diseases. L. A. Bergeva and others. Sov. med. 30 no. 3 19-53 M. '67

Toxoplasmosis in adults. T. N. Khavkin. Arkh. pat. 29 no. 1 3-13 '67.

TOYS

Belted toys for children. L. Baturina. Doshk. vosp. 10 no. 4 106-107 '67.

TRACE ELEMENTS

(see also subdivision under Priluki Oil Field)

Determination of wide range of microelements in natural waters in the course of hydrochemical research with preliminary sorption on "mixed sorbent." N. I. Eroshina, I. P. Vyshuzhantina, A. D. Miller. Zhur. prikl. khim. 10 no. 4 802-805 Ap. '67

Microelements in the water and in the suspended matters of rivers of Asiatic U. S. S. R. G. S. Kononov, A. A. Ivanova, T. Kh. Kolesnikova. Gid. okhlim. mat. 12 112-123 '66

Rare and trace elements (microelements) in water and suspended matters of rivers of European part of U. S. S. R. G. S. Kononov, A. A. Ivanova, T. Kh. Kolesnikova. Gid. okhlim. mat. 12 94-111 '66

Trace element fertilizers helped. A. N. Grigorov. Zashch. rast. 12 no. 1 57 '67.

TRACE ELEMENTS—EFFECT ON SEEDS see Seeds,

Effect of trace elements on

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of microdoses of chromium, molybdenum, tungsten, and uranium salts on rabbit growth and development. O. V. Arkhipov and others. Trudy Oren. otd. Vses. fiziol. ob-va no. 3 111-116 '64.

Effect of trace elements (copper, cobalt, iron, manganese, zinc) on the productivity of sheep and poultry. P. Sh. Urilevskaya. Trudy UZNIIZH no. 4 63-72 '69

TRACE ELEMENTS IN THE BODY

Age-related dynamics of the content of trace elements in normal and atherosclerosis-affected portions of the human aorta. G. G. Avtandilov. Arkh. pat. 29 no. 4 40-42 '67.

Study of microelement metabolism in infectious hepatitis by neutron activation method. G. V. Kvintashvili and others. Soob. AN Gruz. SSR. 45 no. 2 525-530 P. '67

TRACERS (CHEMISTRY)

Mössbauer effect as analyzer in tracer technique. R. A. Stukan, V. I. Goidanskii, E. F. Makarov. Dokl. AN SSSR. 165 no. 6 1347-1349 D. '65.

TRACHEA—SURGERY

New instruments for emergency tracheotomy. A. G. Vnukov. Zhur. ush., nos. i goi. bol. 20 no. 2 85-86 M.-Ap. '60

TRACTOR INDUSTRY

Let us welcome the 50th anniversary of the Soviet regime with new achievements in the tractor and agricultural machinery industry. Trakt. i sel'khoz. mash. no. 4 1-3 Ap. '67.

TRACTOR INDUSTRY—AUTOMATION

Machining of tractor engine cylinder heads in automated production. S. S. Kul'shant, K. S. Spakov. Avtomatiz. proizvod. v mashinost. i prib. no. 4 39-45 '66

TRACTOR INDUSTRY WORKERS see subdivision under Volgograd

TRACTOR TRAINS

Tractor train for transportation of bitumen. I. U. Sokolov, A. Khorin. Avi. transp. 45 no. 4 48-49 Ap. '67.

TRACTORS

The BelAZ-531 single-axle tractor. Z. L. Stroikin, N. P. Stakhovskii, E. D. Galochkin. Stroitel. dor. mash. 12 no. 3 2-5 M. '67.

Designing cushioning systems for crawler tractors and track tractors. D. A. Popov. Trakt. i sel'khoz. mash. no. 1 11-14 Ap. '67

Starting a tractor with the amplifier of the torque. K. I. A. L'vovskii. Trakt. i sel'khoz. mash. no. 4 6-9 Ap. '67.

TRACTORS—DYNAMICS

Standardization of the methods of motion and types of turning for high-speed tractor units. V. P. Malakhov, I. V. Safonov. Vest. sel'khoz. nauki [Kazakh] 10 no. 3 88-92 M. '67

TRACTORS—ELECTRIC EQUIPMENT

Lisitski, A. A. [Repair of the electrical equipment of tractors] Remont traktornogo elektricheskogo oborudovaniya. Moskva, Kolos, 1966. 166 p. (Biblioteka rabochego-tenovnika)

TRACTORS—ENGINES

Basic indices of the operating process of the AM-01 and AM-03 diesel engines. A. I. Filimonov, A. I. Shvedskii. Trakt. i sel'khoz. mash. no. 4 4-6 Ap. '67.

Dem'ianov, L. A., and S. K. Saifanov. [Increasing the reliability and durability of motor-vehicle and tractor engines] Puti povysheniya nadezhnosti i dolgozhestnosti avtomobilnykh dvigatelei. Moskva, Voenizdat, 1967. 151 p.

Designing the flywheel of a tractor engine. E. M. Kazhdan. Mekh. mash. no. 1 2 98-105 '66

TRACTORS—MAINTENANCE AND REPAIR

(see also subdivision under Yasnogorsk, Tula Province)

Reconditioning supporting rollers of ChT3-80/100 tractors by automatic build-up welding in a medium of water vapor. M. I. A. Klebanov, S. M. Ponomov, B. P. Pyzhinov. Svat. proizvod. no. 4 43 Ap. '67.

TRACTORS—MOTORS

Machining of tractor engine cylinder heads in automated production. S. S. Kul'shant, K. S. Spakov. Avtomatiz. proizvod. v mashinost. i prib. no. 4 39-45 '66

TRACTORS—TRAILERS

Studying the drive of the brakes of trailers. V. E. Aksenovich, M. K. Kopylov, A. A. Popovskii. Trakt. i sel'khoz. mash. no. 4 15-17 Ap. '67.

TRACTORS—TRANSMISSION DEVICES

(see also subdivision under United States)

Some problems of the reliability of the transmission of tractors. G. L. Skandula. Trakt. i sel'khoz. mash. no. 4 17-21 A

TR

TRANSISTOR CIRCUITS (Continued)

Kublanovskii, I. A. S. [Circuits with four-layer semiconductor devices] Skhemy na chetyrekhsloynnykh poluprovodnikovyykh priborakh. Moskva, Energiia, 1967. 23 p. (Massovaya radiobiblioteka, no. 625)

Operation of a three-phase thyristor voltage regulator with an active inductive load. L. S. Kozlitin. Trudy MEI no. 66 277-288 '66.

Selective transistor RC circuit. M. I. Ponomarev, V. P. Popov. Radiotekhnika 22 no. 4 50-55 Ap '67

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

Efficient pocket radio. E. Bulanov. Radio no. 4 27 Ap '67.

"Suvayr" portable radio. V. Borodin, V. Efimenko, V. Shishkin. Radio no. 1-41-43 Ja '67.

A transistor companion. P. Gaidai. Radio no. 1-14-16 Ja '67.

Your first transistor radio. E. B. Novolokov, V. Krivopavlov. Radio no. 1, 16-48 Ja '67.

TRANSISTOR RADIOS—CURRENT SUPPLY

Power supply of transistor radio receivers using a line current source. E. Kiyavchenko. Radio no. 2, 54-55 F '67.

TRANSISTORS

Establishment of steady state in the switching of p-n-p-n structures. A. A. Lebedev, A. I. Uvarov, V. I. Chelobkov. Radiotekhnika i elektronika 12 no. 4 677-685 Ap '67

Kublanovskii, I. A. S. [Circuits with four-layer semiconductor devices] Skhemy na chetyrekhsloynnykh poluprovodnikovyykh priborakh. Moskva, Energiia, 1967. 23 p. (Massovaya radiobiblioteka, no. 625)

Maslov, A. A. [Electronic semiconductor devices] Elektronnyye poluprovodnikovyye pribory. Izd. 2, perer. Moskva, Energiia, 1967. 399 p.

New semiconductor devices. Radio no. 4, 52-54 Ap '67.

Spontaneous switching of p-n-p-n devices. V. A. Kuz'min, V. A. Buzhnikov. Radiotekhnika i elektronika 12 no. 4 668-676 Ap '67

Switching potential in thyristors. V. A. Kuz'min. Radiotekhnika i elektronika 12 no. 4 764-765 Ap '67.

Time constant of charge dissipation resolution in p-n-p-n structure during switching with inverse anode potential. A. A. Lebedev, A. I. Uvarov. Radiotekhnika i elektronika 12 no. 4 683-692 Ap '67.

Transistors for television receivers. V. Frolov. Radio no. 2, 50-52 F '67.

TRANSITION METAL CARBIDES

Superconductivity of solid solutions of transition metal carbides and nitrides. N. E. Alekseevskii, G. V. Samsonov, O. I. Shulishova. Izv. AN SSSR, Neorg. mat. 3 no. 1 61-68 Ja '67.

TRANSITION METAL COMPOUNDS

Crystal structure of the Ni_2MnIn compound. I. E. I. Gladyshevskiy, I. V. Smol'taninov. Dop. AN URSR no. 1 33-35 '61.

Mechanism of stereospecific polymerization of dienes under the effect of transition metal compounds. B. A. Dolgoplosk, I. I. Molisev, E. I. Tinakova. Dokl. AN SSSR 173 no. 5 1087-1090 Ap '67.

Microhardness of germanides of some transition metals. V. N. Bondarev, V. P. Perminov, V. A. Podergin. Izv. AN SSSR, Neorg. mat. 3 no. 4 707-708 Ap '67.

TRANSITION METAL COMPOUNDS—ELECTRIC PROPERTIES

Effective charges of metal atoms in complex ions of elements of the first transition period. K. B. I. Atamirskii, I. I. Volchenskova. Teoret. i eksper. khim. 3 no. 1 10-18 Ja-F '67.

Physical properties of certain transition metal sulfides. G. V. Samsonov, V. Kh. Oganessian. Dop. AN URSR no. 10 1317-1321 '65.

TRANSITION METAL COMPOUNDS—MAGNETIC PROPERTIES

Symmetry of atomic environment and magnetic properties of 3d-transition metal monosulfides. F. A. Sidorenko. Fiz. met. i metalloved. 23 no. 3 510-520 Mr '67.

TRANSITION METAL NITRIDES

Superconductivity of solid solutions of transition metal carbides and nitrides. N. E. Alekseevskii, G. V. Samsonov, O. I. Shulishova. Izv. AN SSSR, Neorg. mat. 3 no. 1 61-68 Ja '67.

TRANSITION METALS

Continuous rapid separation of group III and IV transition elements using chlorides. I. Zvern and others. Radiokhimiya 9 no. 2 231-239 '67.

Surface energy of transition metals. S. N. Zadumkin. Uch. zap. Kab. -Balk. gos. un. no. 13 41-46 '61

TRANSLATING MACHINES

Translating machine. Prom. Arm. 10 no. 3 72-74 '67

TRANSONIC AERODYNAMICS see Aerodynamics, Transonic

TRANSPLANTATION OF ORGANS, TISSUES, ETC.

Biological packing in surgery for simple mastoiditis. M. I. Ovsannikov. Zhur. uzh. i gor. bol. 20 no. 2 83 Mr-Apr '68.

Heterotransplantation of the cellular strain F-8. B. S. Ruchkovskii, L. S. Radolitskaya, S. N. Druk. Vop. ekp. onk. no. 2 76-84 '66

Study of the state of frozen transplants and reaction of regional lymphatic nodes in auto- and homotransplantation. L. S. Seslavina, L. A. Danilova, A. G. Fedotenkov. Biol. eksp. biol. i med. 63 no. 1 86-89 Ap '67.

TRANSPORT PLANES

Loading and transport of medical equipment on AN-2 airplanes. G. V. Shakhovenko, V. L. Bondarenko. Voen.-med. zhur. no. 3 71-73 Mi '67.

TRANSPORTATION

(see also subdivision under Azerbaijan, Rostov Province) Kise, L. Z. [Transport and the rationalization of economic ties in the new five-year plan] Transport i ratsionalizatsiya ekonomicheskikh svyazei v novoi plattelke. Moskva, Ekonomika, 1967. 165 p.

Literature on overall development of transportation. V. Dobushin. Avt. transp. 45 no. 4 61 Ap '67.

Planning transportation. I. Litvinov. Tekh. i voozruch. 25 no. 2 38-39 F '67.

Organizing comprehensive supply of materials and equipment and transportation services to diluting enterprises. S. F. Gorkin. Organ. i upr. nefteob. prom. no. 1 33-37 '60.

TRANSPORTATION—ABSTRACTS

[Industrial transportation] Ref. zhur. Prom. transp. Avtoiskii ukazatel' za 1966 g.

TRANSPORTATION, AUTOMOTIVE

(see also subdivision under White Russia)

Develop the preparation for the 50th anniversary of Soviet power widely. Avt. transp. 45 no. 4 3-4 Ap '67.

Personal plan is a basis for the pledge of an automotive transportation unit. S. Gudanov. Avt. transp. 45 no. 4 5 Ap '67.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] Ref. zhur. i Avt. i gor. transp. no. 5 My '67.

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

Accounting and the distribution of overhead costs in automotive transportation units. I. Lapshin. Bukhlg. uchot. no. 1 59-63 Ja '67.

Improve Accounting in automotive transportation. N. Mironov. Bukhlg. uchot. 26 no. 4 39-41 Ap '67.

Improve the accounting in automotive transportation. N. Belukha. Avt. transp. 45 no. 4 17-18 Ap '67.

In the Methodological Council. Bukhlg. uchot. no. 1 70-80 Ja '67.

TRANSPORTATION, AUTOMOTIVE—ECONOMIC ASPECTS

Order of the formation of funds and their utilization. N. Bilulina. Avt. transp. 45 no. 4 13-16 Ap '67.

TRANSPORTATION, AUTOMOTIVE—FINANCE

Distribution of profit and formation of funds in automotive transportation enterprises. Fin. SSSR 41 no. 4 70-81 Ap '67

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

(see also subdivision under Dnepropetrovsk; Krivoy Rog; White Russia)

Reorganization of the production and maintenance base of an automotive transportation unit. N. Kudrlov. Avt. transp. 45 no. 1 30-32 Ap '67.

TRANSPORTATION, AUTOMOTIVE—SCHEDULE

Characteristics of methods instruction for automotive transportation enterprises to long system. N. Efimov. Avt. transp. 45 Ap '67.

TRANSPORTATION, MILITARY

(see also subdivision under United States)

At the southern front. P. Rumiantsev. Voor. Sil 27 no. 3 20-25 Mr '67.

Military operational evaluation of autom electronic computers. N. Varlamov. Voor. Sil 27 no. 3 88-90 Mr '67.

TRANSPORTATION, MILITARY—FINANCE

Searching for ways of lowering transport. A. Ovechinnikov and others. Tyl. i sna 27 no. 3 68-71 Mr '67.

TRANSPORTER BRIDGES—DESIGN AND

Investigating performance conditions of arm structures on transporter bridges. Open-Pit Coal Mine. V. V. Gushkovskii, TS. IA, Novak. Ugol' Ukr. 11 no. 11 11

Vibration of the girders of supporting at transporter bridges. L. V. Kudlov. Vc no. 8 89-90 '65.

TRAUMATISM

Requirements of urban and rural population for emergency stationary traumatological aid. F. A. Iudin. Ortop. i travm. i priortz. 28 no. 1 52-55 Ap '67

TRAVELING-WAVE TUBES

Law of the energy conservation of a traveling-wave tube and its maximum efficiency. N. M. Sovtsov, A. N. Shestoporov, G. T. Kazakov. Radiotekhnika i elektronika 12 no. 2 375-376 F '67.

TRAVERSES (SURVEYING)

Experience in organizing traverse surveys in not readily accessible regions. M. G. Gerasimenko. Geod. i kart. no. 1 11-16 Mi '67

TRAWLS AND TRAWLING

Relationship between catch and basic technological characteristics of a trawl and a trawl. H. Levald. Ryb. khoz. 43 no. 3 34-35 '67

TRAWLS AND TRAWLING—EQUIPMENT AND SUPPLIES

Is swivel always needed in trawling? I. A. Lebedev. Ryb. khoz. 43 no. 3 36-37 '67

Reducing wear and tear of lines on a BMT trawler. V. V. Mitonov and others. Ryb. khoz. 43 no. 3 38-40 '67

TREE BREEDING

Polyploidy in forest trees. F. L. Shchepot'ev. TSit. i gen. 1 no. 2 27-31 Mr-Apr '67

TREMATODA

(see also subdivision under Alma-Ata Province; Antarctic regions, Azerbaijan)

Infestation of mollusks by trematode larvae in waters of southern Kazakhstan. IU. V. Butenko. Trudy Inst. zool. AN Kazakh SSR 27 22-52 '67

Trematode larvae from freshwater mollusks of western Kazakhstan. V. A. Smirnova, S. I. Ibragimova. Trudy Inst. zool. AN Kazakh SSR 27 53-57 '67

TRENCHING MACHINERY

Development of a trench digging machine with a hydraulic displacement drive. V. I. Amel'chenko, I. I. Gishulin. Stroit. i dor. mash. 12 no. 1 8-10 Ap '67.

TRIAL PRACTICE

Let us improve the organization and proceeding of out-of-town sessions. A. Orlov. Sov. iust. 31 no. 7 1-2 Ap '67.

TRIANGULATION

Carrying down coordinates from sign altitude to the earth. S. L. Barshal. Shor. nauch. rab. Belorus. tekhn. i obrab. obrab. tekhn. no. 3 68-74 '66.

Determining coordinates of three points by two fixed points. S. E. Barshal. Shor. nauch. rab. Belorus. tekhn. i obrab. obrab. tekhn. no. 3 65-67 '66.

Experience gained in analytical phototriangulation. N. S. Boikova. Geod. i kart. no. 3 31-39 Mr '67

TRIAZINE

Polyamides with S-triazine rings in the chain. Part 1. Polyamides based on 1-alkyl-3,5-bis-(2-carboxyethyl) isocyanurates and some aliphatic diamines. L. V. Stepanenko and others. Ukr. khim. zhur. 33 no. 3 308-311 '67.

Polyamides with S-triazine rings in the chain. Part 2. Polyamides based on 1-alkyl-3,5-bis-(2-carboxyethyl) isocyanurates and some aliphatic diamines. L. V. Stepanenko and others. Ukr. khim. zhur. 33 no. 3 311-314 '67.

Results of testing premixtures and fields. V. A. Zakharov. N. V. I. 5 no. 4 35-47 Ap '67.

Use of triazines for chemical

tion of oxygen tension in normal tissues and in
benign and malignant tumors under usual conditions, in region-
ally and general hypoxia. U. I. Rampen-
izul, Leksp. tsep. il no 2 30-34 Mh-Ap '67,

RODRILLS
 et of design of turbodrill bearing disk on the occu-
 ce of drilling difficulties and performance indica-
 ts in deep drilling V P Alekseyev, Mashinost.
 a, no. 13-6 1987

TURBODRILLS (Continued)

Multistation turbodrill of new design. F. A. Kirina. Neft khoz. 45 no. 4 64-65 Ap '67.
New trends in developing turbodrilling equipment. R. A. Isanmagan. Neft khoz. 45 no. 11-16 Ap '67.

TURBOGENERATORS

Comparative study of the strength of rotor banding stages of large turbogenerators by means of an operational unit. V. M. Naddolm, L. V. Riabov. Trudy VNIIE no. 25 34-35 '66.

Study of the stressed state of a small tooth of a rotor band using plane models and an optical polarization method. B. A. Kargashkin, I. U. M. Riabov. Trudy VNIIE no. 25 11-18 '66.

Study of the torque fluctuations of 1-1.2 turbogenerators of mobile electric power plants. L. V. Riabov, V. A. TSvetkov. Trudy VNIIE no. 25 63-76 '66.

Use of a thermometric method in determining local losses in the terminal zones of large turbogenerators. G. G. Schastilov and others. Energ. i tekhn. no. 2 33-35 Mr-Apr '67.

TURBOGENERATORS—VIBRATION

Experimental study of the vibration of the stators of large turbogenerators. L. G. Gavrilov, V. M. Lebnikov, V. M. Rabinovich. Elektr. tekhnika 38 no. 1 52-53 Ap '67.

Magnetic vibration of the cores of hydraulic turbine-generators. B. A. Kaitashkin, V. A. TSvetkov, I. U. M. Riabov. Elektr. tekhnika 38 no. 3 35-38 Mr '67.

TURBOGENERATORS—WELDING

Soldering of the stator windings of a hydraulic turbine-generator unit using a solid solder. M. I. Braginskii. Energ. i tekhn. no. 3 29-30 Mr '67.

TURBOGENERATORS—WINDINGS

Determination of some mechanical parameters of the front arcs of the stator winding of the VGS-700/100-18 hydraulic turbine-generator unit. I. U. V. Petkov, I. Kh. Plado. Trudy VNIIE no. 25 57-62 '66.

Equivalent circuit for calculating the torque of the front parts of the stator winding of a hydraulic turbine-generator unit. I. Kh. Plado, V. A. TSvetkov. Trudy VNIIE no. 25 19-56 '66.

TURBULENCE

Possibility of setting up the statistical mechanics of turbulent flows. V. I. Tokarev. Dop. AN URSS no. 10 1290-1291 '65.

TURGOYAK, LAKE—FISHES

Fishes, fisheries and means for increasing fish productivity in Lake Turgoyak. G. M. Lopatyshkina, M. D. Tironov. Trudy Ural. otd. Gos. NIORKH 6 115-148 '64.

TURGOYAK, LAKE—FISHES—FOOD

Bottom fauna in Lake Turgoyak, fish feeding habits and means for increasing food resources of the lake. M. L. Gladilovskaya-Dekstakha. Trudy Ural. otd. Gos. NIORKH 6 91-111 '64.

TURGOYAK, LAKE—HYDROLOGY

Mountain Lake Turgoyak. Z. M. Balabanova. Trudy Ural. otd. Gos. NIORKH 6 61-82 '64.

TURGOYAK, LAKE—PLANKTON

Plankton of Lake Turgoyak. S. N. Ulomskii. Trudy Ural. otd. Gos. NIORKH 6 83-90 '64.

TURKESTAN—COMMUNIST PARTY OF THE SOVIET UNION

Bureau of the Central Committee of the Russian Communist Party (Bolshevik) in Turkmenistan. A. T. Arizkhanov. Trudy TashGU no. 287 12-16 '66.

TURKESTAN—IRRIGATION

Irrigation and the use of water resources in Turkmenistan. A. A. Taktayev. Trudy TashGU no. 287 115-119 '66.

TURKESTAN—PARASITES—FISHES

Zoogeographical analysis of fish parasites in Turkmenistan region of the Mediterranean subzone. U. D. Orshakov, N. G. Gavrilova. Zool. zhurn. 46 no. 2 274-276 P '67.

TURKESTAN—MEDICAL LIBRARIES

Libraries of medical societies in prerevolutionary Turkmenistan. A. I. Kormiltseva. Trudy TashGU no. 287 112-139 '66.

TURKESTAN—REVOLUTION OF 1905

Development of the revolutionary movement in Turkmenistan in 1905. I. M. Mazaeva. Trudy TashGU no. 287 110-114 '66.

TURKESTAN—WATER RESOURCES DEVELOPMENT

Irrigation and the use of water resources in Turkmenistan. A. A. Taktayev. Trudy TashGU no. 287 115-119 '66.

TURKEYVYCH, LEV, 1901-1961

Levyt'ska, Ljubov, and Ivan Bodirevych. [Lev Turkeyvych: his life and work]. Lev Turkeyvych: zhizn i tvorchi'stvo. Toronto, Nakladovm Ljubov Levyt'skoi, 1965. 353 p.

TURKEY—DESCRIPTION AND TRAVEL

Guseinov, M. A. [A month and a day: travel notes. Translated from the Azerbaijani]. Mestala i odin den', putevye zametki. Moskva, Sov. pisatel', 1965. 138 p. (M1)

TURKEY—HISTORY

Efendiova, N. Z. [Struggle of the Turkish people against the French occupation forces in southern Anatolia, 1919-1921]. Bor'ba turkiskogo naroda protiv frantsuzskikh okkupantov na tuge Anatolii (1919-1921 gg.). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 158 p.

TURKEY—LABOR AND LABORING CLASSES

The road to "happiness." R. Kerim-zade. Az. i Afr. s'g. 10 no. 5 13 My '67.

TURKEY—POLITICS AND GOVERNMENT

Shabanov, F. Sh. [Governmental and legal system of Turkey during the Tanzimat]. Gosudarstvennyi stroi i pravovaya sistema Turtsii v period tanzimata. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1967. 202 p.

TURKIC LANGUAGES

Some statistical data on sentences in the Tatar language. T. I. Bragimov. Uch. zap. kaz. un. 125 no. 6 74-78 '65.

TURKMENISTAN—CABLE INDUSTRY—HYGIENIC ASPECTS

Physical step. Oldr. truda i sots. strakh. 10 no. 5 6-7 My '67.

TURKMENISTAN—CLIMATE

Cold waves over Turkmenia. A. Agramov. Nauch. trudy TashGU no. 270 5-9 '66.

TURKMENISTAN—COTTON-PICKING MACHINERY

Machines came to the field. Amanduy Chayev. Oldr. truda i sots. strakh. 10 no. 5 6 My '67.

TURKMENISTAN—DRILLING MUDS

Using calcium muds in Turkmenistan. A. I. Pen'kov, V. P. Shneider. Burenie no. 3 22-22 '67.

TURKMENISTAN—ECONOMIC CONDITIONS

For the welfare and happiness of man. Davly Karaev. Oldr. truda i sots. strakh. 10 no. 5 2-4 My '67.

TURKMENISTAN—GAS, NATURAL—GEOLOGY

Depth of occurrence of subsoil sediments in eastern Turkmenistan in connection with oil and gas well drilling. B. I. Barash and others. Neftgaz. geol. i geofiz. no. 2 11-14 '67.

TURKMENISTAN—INDUSTRIAL HYGIENE

For the welfare and happiness of man. Davly Karaev. Oldr. truda i sots. strakh. 10 no. 5 2-4 My '67.

TURKMENISTAN—PETROLEUM GEOLOGY

Depth of occurrence of subsoil sediments in eastern Turkmenistan in connection with oil and gas well drilling. B. I. Barash and others. Neftgaz. geol. i geofiz. no. 2 11-14 '67.

TURKMENISTAN—PETROLEUM PRODUCTION—MANAGEMENT

Present status of work on scientific labor organization in enterprises of "Turkmenneft" Combine. L. V. Zubilenko. Organ. i upr. nefteob. prom. no. 6 20-27 '66.

TURKMENISTAN—RADIOBROADCASTING

The voice of Turkmenia. D. Shnikov. Sov. radio i tel. 9 no. 4 13-14 '66.

TURKMENISTAN—REVOLUTION OF 1905

Annayevs, M. [Mass participation of soldiers in the Revolution of 1905-1907 in Turkmenistan]. Uchastie soldatskikh mass v revoliutsii 1905-1907 godov v Turkmenistane. Ashkhabad, "Turkmenistan," 1966. 170 p.

TURKMENISTAN—SALT DEPOSITS

Depth of occurrence of subsoil sediments in eastern Turkmenistan in connection with oil and gas well drilling. B. I. Barash and others. Neftgaz. geol. i geofiz. no. 2 11-14 '67.

TURKMENISTAN—VOCATIONAL EDUCATION

The Turkmen S.S.R. Ch. Alaev. Sled. spets. obz. 11 no. 3 6-8 Mr '67.

TURKMENISTAN—WEATHER FORECASTING

Cold waves over Turkmenia. A. Agramov. Nauch. trudy TashGU no. 270 5-9 '66.

TURKMENISTAN—WOMEN—EMPLOYMENT

Mishesses of all trades. Aisoltan Karadzhaeva. Oldr. truda i sots. strakh. 10 no. 5 7 My '67.

TURNER'S SYNDROME

Testicular dysgenesis (Turner's syndrome in the male). N. S. Sazonova, L. I. Domanskaya. Genetika no. 3 136-143 Mr '67.

TURNING

State of the surface layer of hardened steel ShKh5 sub-jected to turning. N. P. Panchenko. Stan. i instr. 30 no. 3 29-30 Mr '67.

Tuning of the hollow chambers of the shafts of TV-60-2 generators. N. I. Mourakh, A. M. Kukushkin. Energ. i tekhn. 15 no. 3 16 Mr '67.

TURNIPS see subdivision under Estonia

TURPENTINING

(see also subdivision under Krasnoyarsk Territory, P. M. P. ovince)

Use of low-concentration sulfuric acid in the turpentinizing of pine. T. I. Tsikhov, I. U. A. Prolov. Gidrol. i tekhn. prom. 20 no. 3 23-24 '67.

TUSOCK MOTH

Effect of feeding habits on physiological state of Euproctus chrysorrhoea L. (Lepidoptera, Liparidae). G. A. Pantukhov. Ent. obozr. 46 no. 1 10-18 '67.

TUVA A.S.S.R.—AUDITING AND INSPECTION

Put all resources in the service of the five-year plan. B. Kim. Mat.-tekhn. snab. 2 no. 1 78-80 Ap '67.

TUVA A.S.S.R.—FOLK ART

Ornament in the folk art of the Tuvinians. S. I. Vainshtein. Sov. etn. no. 2 15-61 Mr-Apr '67.

TUZYMAZ OIL FIELD—PETROLEUM PRODUCTION

Determination of recovery factor based on data of field geophysics on sandstone reservoirs of Pashlya horizon in Tuymazy field. M. Kh. Mustin, V. E. Sukhankin. Neft khoz. 13 no. 10 41-18 O '65.

TUZYMAZ OIL FIELD—PROSPECTING—GEOPHYSICAL METHODS

Determination of recovery factor based on data of field geophysics on sandstone reservoirs of Pashlya horizon in Tuymazy field. M. Kh. Mustin, V. E. Sukhankin. Neft khoz. 43 no. 10 43-48 O '65.

TWILIGHT

Twilight observation during the solar eclipse of February 15, 1961. A. D. Zamiatkin. Uch. zap. Kaz. -Balk. gos. un. no. 11 50-53 '61.

2, 4-D

Effect of 2, 4-D combined with foliar feeding on the uptake and exchange of nitrogen and phosphorus substances by monocotyledonous and dicotyledonous plants. N. I. A. Nekrasov, G. F. Pshmal. [Trudy KHSKh 57 10-17 '66.

Results of testing butyl ester and sodium salt of 2, 4-D against undesirable shrubs. A. S. Triapitskaya. Subtrop. kul't. no. 1 161-164 '66.

2, 4-D in sorgo and millet fields. I. A. Makadzeva, L. A. Matkova. Zashch. rast. 12 no. 4 32-33 '67.

2, 4-D—EFFECT ON PLANTS see Plants, Effect of 2, 4-D on

TYMPANIC MEMBRANE—WOUNDS AND INJURIES

Burns of the tympanic membrane caused by aviation fuel. V. S. Kompanets. Voenn.-med. zhurn. no. 4 34-35 Ap '67.

TYPE AND TYPE FOUNDING

[Catalogue of manual and machine type] Katalog ruchnykh i mashinnykh shrifto. [Moskva] Kulga [1966] 614 p.

TYPHOID FEVER

Some aspects of typhoid fever epidemiology. A. I. A. Ukhov. Sov. med. 27 no. 8 72-76 Ag '67.

Typhoid fever and ascariasis. A. S. Bogdanova. Sov. med. 27 no. 8 118-126 Ag '63.

TYPHOID FEVER—PREVENTIVE INOCULATION

Study of the reactogenicity and effectiveness of aerosol immunization with pulverized tyvalent vaccine against typhoid fever and tetanus. I. V. Vorontsov and others. Voenn.-med. zhurn. no. 4 55-59 Ap '67.

TYRNYAUZ (KABARDINO-BALKAR A.S.S.R.)—ABRASION

Experimental study of abrasive wear of waste water pipes of the Tyrny-Auz Tungsten-Molybdenum Combine undertaken in search of wear-resistant pipe material. M. B. Chechenov. Uch. zap. Kaz. -Balk. gos. un. no. 13 135-139 '61.

TYRNYAUZ (KABARDINO-BALKAR A.S.S.R.)—INDUSTRIAL WASTES

Experimental study of abrasive wear of waste water pipes of the Tyrny-Auz Tungsten-Molybdenum Combine undertaken in search of wear-resistant pipe material. M. B. Chechenov. Uch. zap. Kaz. -Balk. gos. un. no. 13 135-139 '61.

TYUMEN' PROVINCE—COMMUNITY CENTERS

The building of the club is planned. Part. zhizn' no. 7 74 Ap '67.

TYUMEN' PROVINCE—DRILLING MUDS—ADDITIVES

Regulating properties of drilling muds used in drilling over fields of Tyumen' Province. I. E. Shevaldin, M. V. Lobkarev. Burenie no. 3 17-19 '67.

TYUMEN' PROVINCE—GAS, NATURAL

Problems of exploitation of natural gas fields. N. Viazkov. Gaz. prom. 12 no. 4 52, 111 Ap '67.

TYUMEN' PROVINCE—OIL WELL DRILLING

The 44th oil well is increasing production. A. Iurkov. Mol. komm. no. 2 66-73 '67.

2169

UKRAINE—ELECTION LAW

Ukraino. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Ukrainian S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., December 12, 1950. With amendments introduced by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., December 12, 1950. With amendments introduced by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., November 12, 1956] Polozhennia pro vybory do Verkhovnoi Rady Ukrainy'koï RSR. Zatverdzheno Ukazom Prezydii Verkhovnoi Rady Ukrainy'koï RSR vid 12 hrudnia 1950 roku. Iz zminyamy i dopovnennamy, vnesenyymi Ukazom Prezydii Verkhovnoi Rady Ukrainy'koï RSR vid 12 lystopada 1956 roku. Kyiv, Polityvyd Ukrainy, 1957 20 p.

UKRAINE—EUROPEAN WAR, 1914-1918

How the Ukrainian Bolsheviks used legal possibilities during the First World War, 1911 to February 1917. M. T. Sydorchuk. Vsiyky L'viv, un. Ser. suap nauk no. 2 59-61 '66.

UKRAINE—EURYGASTERS

Population dynamics of Eurygaster integriceps in the Ukraine and causes for its decrease. M. D. Taniukha. N. S. Telenga. Zool zhur. 46 no. 2 213-220 P. '67.

UKRAINE—FISH CULTURE

Proslanyl, V. S., A. I. Solovet, and H. I. Shpet. [Fish culture] Rybnivstvo. Za red. V. S. Proslanofa. Kyiv, Urozhai, 1956 238 p.

UKRAINE—FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS

In the enterprises of the food industry of the Ukraine. K. P. Syn'ko. Khim. prom., no. 2 41-45. M. Ap. '67.

UKRAINE—FORAMINIFERA, FOSSIL

Significance of find of Nummulites litoralis Zern in Bolyshka Depression for stratigraphy of shallow Paleogene sediments. B. G. Zeraets'kyi, III. I. Selin. Dop. AN URSR Ser. B 29 no. 4 302-305 Ap. '67.

UKRAINE—FOREIGN ECONOMIC RELATIONS

Vovko, D. A. [The Ukraine in the international economic relations of the U. S. S. R.] Ukraina v mizhnarodnykh ekonomichnykh z'v'iazakh SSR. Kyiv, Polityvyd Ukrainy, 1956, 97 p. (CS-11)

UKRAINE—FOREST MANAGEMENT—ACCOUNTING

Extending business accounting relations in forest management. P. F. Korol'ov. Lis. hosp., lis., pap., i der. prom., no. 2 23-26. M. Ap. '67.

UKRAINE—FOREST MANAGEMENT—FINANCE

Capital yield as a factor for the improvement of the use of fixed and working capitals. H. M. Kononchuk. Lis. hosp., lis., pap., i der. prom., no. 2 26-30. M. Ap. '67.

UKRAINE—FURNITURE INDUSTRY

Group norms of deductions from profit for the transfer of furniture enterprises to new working conditions. A. H. Zbars'kii. Lis. hosp., lis., pap., i der. prom., no. 2 17-20. M. Ap. '67.

Working out the organization of labor at furniture enterprises in the Ukraine. B. U. Hlyman. Lis. hosp., lis., pap., i der. prom., no. 2 33-36. M. Ap. '67.

UKRAINE—GAS—BIBLIOGRAPHY

[Bibliography of printed works of members of the Gas Institute of the Academy of Sciences of the Ukrainian S.S.R., published in 1953-1955] Bibliografija pechatnykh trudov sotrudnikov Instytutu gazu AN URSR, opublikovanykh v 1953-1955 godakh. Kiev, Naukova dumka, 1955, 18 p.

UKRAINE—GAS, NATURAL—GEOLOGY

Principles of directed searches for large gas and oil fields in Ukraine. B. S. Vorob'iev. Neft i gaz. prom., no. 2 1-5. M. Ap. '67.

UKRAINE—GENETIC RESEARCH

Intensification of scientific research work in genetics in the institutions of the Academy of Sciences. Dop. AN URSR, Ser. B 29 no. 3 280. M. Ap. '67.

UKRAINE—GEOGRAPHY—STUDY AND TEACHING

Proposed program in geography of the Ukrainian S.S.R. A. L. Stankovich. Rad. shk., 45 no. 4 86-89 Ap. '67.

UKRAINE—GEOLOGY—BIBLIOGRAPHY

Literature on the Ukrainian geology, 1955 (to be continued). V. M. Dolgova. Geol. zhur., no. 6 106-110 '60.

UKRAINE—GEOLOGY, STRATIGRAPHIC

Correlation between depth of basement seat and thickness of earth's crust of central and eastern Ukraine, northwestern Caucasasia, and Black Sea. A. V. Chekunov. Dop. AN URSR, Ser. B 29 no. 4 326-329 Ap. '67.

Facies-lithological zone of Baltic sediments in southern part of Ukraine. A. P. Mel'nyk. Dop. AN URSR, Ser. B 29 no. 4 317-320 Ap. '67.

UKRAINE—GOVERNMENT BUSINESS ENTERPRISES

Performance of Republican enterprises operating on a new system of planning and economic stimulation and preparatory work for the extension of this system to other enterprises. Dop. AN URSR, Ser. A 29 no. 1 85-96. Ja. '67.

UKRAINE—GROUND SQUIRRELS

Some differences in the subspecies of the genus Citellus in the Ukrainian S.S.R. IE. II. Reshetnyk, I. O. Balakhin. Dop. AN URSR, Ser. B 29 no. 5 165-168. My. '67.

UKRAINE—HEALTH RESORTS, WATERING PLACES, ETC.—MANAGEMENT

Economics of health resorts and service to the visiting workers. P. Vorozheikin. Sov. profsoyuzy 23 no. 6: 33-34. M. '67.

UKRAINE—HETMANS

Petro Konashevych-Sahaidachnyi, Hetman of the Ukraine. M. M. Kivavets'. Ukr. ist. zhur., II no. 4 126-128 Ap. '67.

UKRAINE—HISTORICAL RESEARCH

A methodological conference on problems in the "History of the cities and villages of the Ukrainian S.S.R." H. K. Makarenko. Ukr. ist. zhur., II no. 1 157-160 Ap. '67.

Studies of Ukrainian historians devoted to the 50th anniversary of the Great October Revolution. V. V. Kolosov. Ukr. ist. zhur., II no. 4 151-156 Ap. '67.

UKRAINE—HISTORIOGRAPHY

Studies of Soviet Ukrainian historians devoted to the problem "V. I. Lenin and the Ukraine." A. V. Santsevych. Ukr. ist. zhur., II no. 4 129-138 Ap. '67.

UKRAINE—HISTORY

Coordination of scientific research work in the field of history of the Ukrainian S.S.R. Dop. AN URSR, no. 10 1389-1390 '65.

UKRAINE—ILMENITE

Sources of ilmenite in titanium-zirconium sands of Ukraine. L. I. Morozova. Dokl. AN SSSR 173 no. 4 898-900 Ap. '67.

UKRAINE—INDUSTRIAL MANAGEMENT

[Method of using standard network schedule graph of preparing industrial enterprises for changing over to the new system of planning and economic incentives] Metodika primeneniia lihovogo setevogo grafika podgolovki promyshlennyykh predpriatii k perevodu na novuyu sistemu planirovaniia i ekonomicheskogo slinutirovaniia. Moskva, Ekonomika, 1957, 34 p.

Problems of improving planning in the republic. F. Khiluk. Plan. khoz., 41 no. 5 23-30. My. '67.

Ukrainian enterprises, working on a new planning and economic incentive system, and other enterprises ready to switch to this system. Dop. AN URSR, Ser. B 28 no. 1 95-96. Ja. '67.

UKRAINE—INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Use of machines in processing information from the history of science and technology. Dop. AN URSR, no. 10 1392 '65.

UKRAINE—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Present state and future development of scientific research work on biological control methods against pests and plant and animal diseases. Dop. AN URSR, Ser. B 29 no. 3 280. M. '67.

UKRAINE—JEWS

Lysluk, Kalenyk. [Problem of Ukrainian relations with the Jews] Sprava ukrains'ko-zhdytva'kykh vzalomovidnosyn. Ontario, Calif., 1954, 40 p. (NN)

UKRAINE—JUSTICE, ADMINISTRATION OF

Brief news. Rad. pravo no. 4 108-111 Ap. '67.

UKRAINE—LABOR AND LABORING CLASSES

Scientific jubilee session on socialist transformation of culture and well-being of workers in the Ukrainian S.S.R. during the years of Soviet rule. H. Pashkova. Dop. AN URSR, Ser. B 29 no. 4 377-378 Ap. '67.

UKRAINE—LAW—CASES

Decisions of the Supreme Court of the Ukrainian S.S.R. Rad. pravo no. 4 101-105 Ap. '67.

UKRAINE—LEGAL RESEARCH

Scientific conference on main phases in the development of Soviet Ukrainian state and law during last 50 years. H. Pashkova. Dop. AN URSR, Ser. B 29 no. 4 376-377 Ap. '67.

UKRAINE—MACHINERY INDUSTRY

Machinery industry of the Ukrainian S.S.R. in the new five-year plan. Tekh. org. proizv. no. 2 1-2. M. Ap. '67.

UKRAINE—MAGNETIC ANOMALIES

Some characteristics of distribution of elongated magnetic anomalies in Aleksandrovskiy Massif. IU. P. Mech-nikov. Dop. AN URSR, Ser. B 29 no. 4 321-322 Ap. '67.

UKRAINE—MARBLE

New type of silicate marbles in Ukraine. L. D. Ur'licv, D. D. Boiko. Dop. AN URSR, Ser. B 29 no. 4 329-333 Ap. '67.

UKRAINE—METALS, RARE AND MINOR

Distribution of some rare and disseminated elements in Paleogene rocks in southern part of Ukraine. N. M. Baranova, N. N. Tskhotak'a. Dop. AN URSR, Ser. B 29 no. 5 432-435. My. '67.

UKRAINE—METEOROLOGY, AGRICULTURAL

Some organizational problems of the agrometeorological service of the agricultural administrations of collective and state farms located on the territory of the experimental meteorological field proving ground of the Ukrainian Vserainay Scientific Research Institute. V. P. Dmitrenko, L. I. Sakali, G. L. Timoshenko. Trudy UkrNIIGH no. 58 103-111 '66.

UKRAINE—MICROBIOLOGICAL RESEARCH

Present state and future development of research in the field of technical microbiology in the Academy of Sciences of the Ukrainian S.S.R. Dop. AN URSR, Ser. B 29 no. 1 94-95. Ja. '67.

UKRAINE—MINERALS

Find of "ligerite" in the Ukraine. V. F. Petrun'. Dop. AN URSR, no. 1 56-58. '61.

UKRAINE—MINES AND MINERAL RESOURCES

New lignite and oil shale deposits in the Ukraine. I. A. Pashka. Ugol' Ukr., II no. 2 49-50. P. '67.

UKRAINE—MYCOBACTERIUM

Quantitative composition of Mycobacteria in winter wheat rhizosphere. I. O. Korlova. Mikrobiol. zhur., 29 no. 2: 105-111. M. Ap. '67.

UKRAINE—NATURE STUDY

History of nature study. H. V. Boshko. Dop. AN URSR, no. 1 123-121 '61.

UKRAINE—OIL WELL DRILLING—LABOR PRODUCTIVITY

Collective wages of workers of drilling crews based on comprehensive norms in enterprises of "Ukr. zapad-neftegaz" Combine. I. Kotlubia, A. Lyshak. Organ. i upr. nefteob. prom., no. 2 17-19 '66.

Improving organization of management of drilling operations in Ukraine. M. I. Baranovskii. Organ. i upr. nefteob. prom., no. 1 30-39. '66.

UKRAINE—PEASANTRY

Changes in the structure, working conditions, and way of life of collective farm peasants in the Ukraine. V. S. Petrenko. Ukr. ist. zhur., II no. 4 56-65. Ap. '67.

UKRAINE—PETROLEUM GEOLOGY

Principles of directed searches for large gas and oil fields in Ukraine. B. S. Vorob'iev. Neft i gaz. prom. no. 2 1-5. M. Ap. '67.

UKRAINE—PETROLEUM PRODUCTION—ACCOUNTING

Cost accounting in oil production.

Steel and spherulite coils of the Ukraine as a chemical material, S. H. Yronoz and others. Dop. AN URSR (1961) 52-61, 161.

[Method of using standard network schedule graph of preparing industrial enterprises for changing over to the new system of planning and economic incentives] Metodika primeneniya tipovogo setevogo grafika podgotovki promyshlennyykh predpriyatiy k perovedu na novuyu sistemu planirovaniya i ekonomicheskogo stimulirovaniya, Moskva, Ekonomika, 1967 34 p.

Increased role of the local soviets in the organization of services for the people.' A. Kulakova, Rad. piavo no. 4 27-28 in '67.

Placing scientific research work in the institutions of
the Social Science Department of the Academy of Sciences
of the Ukrainian SSR for 1967. Dop. AN URSR, Ser. B
29 no. 1279. M., 1967.

Increased role of the local soviets in the organization of services for the people. A. Kulakova. Rad, pravo no. 424-28 Apr 67.

New members of the soviets, V. Skibitskiy, Rad. pravo
10,4 21-23 Ap '67.

Investigating performance conditions of metal swivel
air structures on transporter bridges of the Yurkovskiy
Open-Pit Coal Mine. V.V. Guzhovskiy, I.L. Smorodin.
"Il'ya Ilyich Novik Ugol' Ukr." no. 3 32-33. M. '67.

Sources of uranium in titanium-zirconium sands of
Ukraine. L I Morozova Dokl AN SSSR 173 no 4 890-
900 Apr '67

First Ukrainian Conference on the Questions of Vocational Guidance of Youth. R O Ponomareva. Rad.sht 45 no.4 110-111 Ap '67

Collective wages of workers of drilling crews based on comprehensive norms in enterprises of "Ukrzapidneftgaz" Combine. I. Kotsuba, A. Lyshak. Organ. i upr. i testdoh prom., no. 2, 17-19, 1988.

Results of the transfer of the shoe industry enterprises of the Ukrainian S S R to a shortened workday and new wage system. N O Gushun, Nauch., -1991 study UBNHKP no 13 195-202 '65

*Measures for better use and protection of water resources
of the Ukrainian S.S.R. Dop. AN URSS no. 1 120-121
'61.

Conference on agricultural water supply. I. I. Tsapenko,
V. I. Lial'ko. Geol. zhur., no 6: 112-113, 1960.

Quantitative evaluation of artificial increasing of precipitation in cold half of the year in Ukrainian Steppe. M. P. Leono. Trudy UKRIGMI no 61,81-85 '66.

Economic reform in action. Lis. hosp., lis., pap. i der.
prom. no. 2 1-4 Mr-Apr '67.

Plenum of the Scientific and Technological Work of the
Ministry of the Lumbering, Woodpulp and Paper, and
Woodworking Industry of the Ukraine. L.I. Silusarenko.
Lis. hosp., lis., pap., i der. prom., no. 2-36-39 Mr-Apr 1967.

Scientific organization of labor from enterprises to
branches. V.H. Uvarov. Lis.hosp., lis., pap.1
det. prom. no.2 30-32 Mr-Apr 1967

Transferring the enterprises of the lumbering, woodpulp, and paper, and woodworking industry of the Ukraine to the new planning and material incentive conditions of work. D. P. Lahutov, Lis. hosp., lis., pap. i der, prom. no 2 5-10 Mr-Ap 167.

Group norms for the transfer of the woodpulp and paper industry to new working conditions. O. F. Tyshchenko, A. V. Churizina. Lis. hosp., lis., pap. i der. prom., no. 2, 20-22 Ml-Ap 1971.

Preparing the transfer of the enterprises of the "Ukrpap-
iprom" Trust to the new planning and material incentive
order. P. O. Lebedev. Lis. hosp., lis., pap. 1 der.
prom. no. 2-10-11 Mr-Apr 1971.

Gordlenko, A. K. [The Dnieper's true stories] Dneprov-
skie byli. Moskva, Voenizdat, 1967. 252 p.

Sources of ilmenite in titanium-ochreous sands of
Ukraine. L.I. Morozova, Dokl. AN SSSR 117: 1,
900 Apr 1977.

Developing Accounting in Industrial Enterprises 71.
zak. Bukhlg uchet 26 no. 4-38 Apr '67.

Work experience of party organizations in study of history of the CPSU in party schools, 1961-1962. Dzidba Vniyik L'vyy in Ser. Sump. Nauk. i Shk. 1962, No. 1.

History of the work of the Communist Party of Western Ukraine in the Polish borderlands from 1918 to July 1948. V. A. Savynuk, Vinnitsa, 1966, 104 p., 10 kopecks.

Leninist principle of the collective leadership of the Party in action. O. O. Shakhov. Voenykh Voennoye Delo, 1964, no. 25-10, 1964.

The way to speed up the turnover of working capital in the sphere of production, V.V. IATONINA, V.I. IATONIN, un Ser., susp. nauk, no. 2 41-117-766

Role of vocational and technical schools in the training of skilled workers. P. I. Pustov. *Vopr. Tekhn. i Nauch. Ser. Shipbldg.* no. 2 191-196, 1966.

STANLEY W. HARRIS, JR., DIRECTOR

An ardent public, Irina Davydova, Had. 30, 11 1961, 21 F. 161.

Encyclopedias and dictionaries, Ukrainian

Huryh, Ivan, comp. [Pictorial words; perpetual f
similes] Obrazno slovo; prylint narodni pochoz u
[Kyiv, Dnipro, 1986] 221 p.
(CU)

UKRAINIAN LITERATURE: LITERARY AND CRITICAL ESSAYS

Bruggen, Volodymyr. [People create goodness; a letter of literary criticism] *Liudyna tvoryl' dobro, literature i kalychiny narysy.* Kyiv, Rad. pyshchennyk, 1966, 111, (CaQTU).

Doroshenko, Ivan, [The call of our time; attitudes of literary criticism] Suchasnist' klyche, literature, 2, 1962 108 p.
(CLU)

History of Ukrainian literature; literature of the 20th century; half of the 19th century by P. K. Volynskyi and P. P. H. Nedilko, Ed., 11 vol. 2-11-11-1/4.

Geochemistry of alkalis in effusive and dike ultrabasic
alkali igneous activity. A.G. Zhiabin. *Geokhimiya*
no. 2:200-213 F '67.

Studying gas-liquid phase transition in porous media
B. A. Belinskii, L. I. Slutskii, N. A. Kholodovskii
nefti no 30-01-00 1966

Effect of traps on ultrasound amplification in cadmium sulfide. S.G. Gerasimov, A.T. Morozov, B.A. Aleshin. *Phys. Lett.* 1977, vol. 60, no. 3, 650-653. 4 refs. Gas flows with a local super-sonic zone ending in a shock wave. Ch. Danhanubukov. *Uch. zap. Kazansk. univ.* 1977, no. 3, 159-165. 6 refs.

Methodologies of using ultrasound in accelerated histological study of tissues. E. I. A. Drakhin. Akh. pat. 21 no. 3:81-82 1977.

Nonresonance magnetic ultrasound absorption by the nuclei in metals. N. M. Khabibullin Fiz tver tel, no 4 1020-1023, Aug 1977.

Ultrasonic excitation of magnetic dipole transitions of
F nuclei in LiF single crystals. V. A. Shatilov, I. I.
Antokolskii, Fiz tver tela D no 4:1231-1234, Apr '74.

[Acoustic and magnetic treatment of materials] *Akusticheskaya i magnitnaya obrabotka veshchestv*. Novosibirsk, 1966, 137 p.

Stabilization of clay suspensions during ultrasonic treatment and the effect of electrolytes. M. M. Kuzdyakov and others. *Dokl. AN USSR* no. 10 1316-1319 '65

- ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT**
Biological effect of ultrasonic vibrations. I. I. A. Borshchovskii Voen.-med. zhurn. no. 3 15-51 Mj '67.
- Changes in antibody biosynthesis and protein spectrum of the blood serum under the effect of ultrasound on the liver: region in rabbits D. I. A. Kleimenov Biol. eksp. biol. imed. 63 no. 5:51-51 Mj '67.
- Characteristics of contractile function of sarcomeres obtained from isolated myofibrils irradiated with ultrasonic waves. N. V. Samosudova, I. E. El'pinin Dokl. AN SSSR 173 no. 4:952-953 Ap '67.
- ULTRASONIC WAVES—THERAPEUTIC USE**
Ultrasonic lithotripsy, experimental study I. U. G. Edinyi, O. G. Balaev Urologia 25 no. 3 13-32 Mj-Je '60.
- ULTRAVIOLET RAYS**
Study of castor oil film formation after ultraviolet irradiation. G. V. Rudnaya, I. U. L. Rivilina, P. M. Bogalyev Lakokas. mat. i fiz. prom. no. 2:23-25 '67.
- Unit for visual ultraviolet microscopy using the M-7 electron-optical converter. M. M. Butskov, M. I. A. Korn, N. N. Solov'ev, Opt.-mekh. prom. 31 no. 1 23-28 Ap '67.
- ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT**
Konferentsia po biologicheskomu delstvu ul'trafiol'tovogo izlucheniia, 8th, Vilna, 1964. [Transactions of the 8th Conference on the Biological Effect of Ultraviolet Irradiation. Study] Moskva, Meditsina.
- Sbornik 4. [Ultraviolet irradiation; biological effect and hygienic significance] Ul'trafiol'tovoe izluchenie, biologicheskoe delstvo i gienichesko-znachenie. Pod red. N. M. Dantsign, 1966, 359 p.
- Role of ultraviolet irradiation in the genesis of skin cancer. L. N. Gushitser Vop. ekol. onk. no. 2 97-101 '66.
- ULTRAVIOLET SPECTRUM** see Spectrum, Ultraviolet
- ULUG-ZODA, SATYM ULUGOVICHI, 1911-1959**
Kendzhabol. [Satym Ulug-zoda and his autobiographical tale "The morning of our life"] Satym Ulug-zoda i ego avtobiograficheskii povest' "Utro nashel zhizni." Nauchnyi rukovoditel' Sh. Khusein-zoda, Dushanbe, 1964, 18 p. (MI)
- UL'YANOVSK—AUTOMOBILE INDUSTRY**
We must not try to find easy ways. N. B. Binkov, Agitator 31 no. 6:31-34 Ap '67.
- UL'YANOVSK—COMMUNIST EDUCATION**
After the example of the life and work of Lenin. N. I. Khrenov, Vest. vya, shkoly 25 no. 3:62-65 Mj '67.
- UL'YANOVSK—MANUAL TRAINING**
Experience in manual training instruction. A. F. Antonov, Sred. spets. obr. 13 no. 10 28-31 Cl '66.
- UL'YANOVSK—MOTORBUS TERMINALS**
Motorbus terminal in Ul'yanovsk. L. Krupaikikh, Avi. transp. 45 no. 4:21-22 Ap '67.
- UL'YANOVSK PROVINCE—APPLE—DISEASES AND PESTS**
Effectiveness of zinc in the prophylaxis and therapy of a scab disease of apple in Ul'yanovsk Province. V. M. Tatarsov, Izv. TSKhA no. 1 91-109 '66.
- UL'YANOVSK PROVINCE—BOOKSELLERS AND BOOK-SELLING**
If it is undertaken seriously. A. Matheenko, Knizh. torg. 10 no. 4 20 Ap '67.
- UL'YANOVSK PROVINCE—COMMUNIST EDUCATION**
Teach and help. V. Akhmetova, Sov. profsoliuzy 23 no. 5:20-21 Mj '67.
- UL'YANOVSK PROVINCE—COMMUNITY AND SCHOOL**
Teach and help. V. Akhmetova, Sov. profsoliuzy 23 no. 5:20-21 Mj '67.
- UL'YANOVSK PROVINCE—WOMEN—EMPLOYMENT**
Galina Ivanova, chairman... I. U. Falatov, Sov. profsoliuzy 23 no. 4 21-23 F '67.
- UMAN'—PARKS**
Kosarevskiy, I. O. Sofitvka; korotkiy pulivnyk, Sofitvka; a short guide-book. Kyiv, Budivelnik, 1967, 75 p. illus. [In Ukrainian, English and French]
- UMAN' REGION—SLAVIC ANTIQUITIES**
Early Slavic monuments in the Uman' region. H. I. U. Khurban, Arkheologiya 20:216-226 '66.
- UMBELLIFERAE**
(see also subdivision under Soviet Far East)
Materials on chromosome numbers in Umbelliferae, I. E. L. Kordum Dop. AN USSR, Ser. B 29 no. 1:86-93 Ja '67.
- Study of coumarins in some plants of fam. A. P. Prokopenko, D. G. Kotelnikov, Izv. But. inst. Soi. 5 no. 12 66-70 '65.
- UNDECANOIC ACID**
Free radical addition of alcohols and acids to esters of undecylenic acid, 10-undecen-1-ol and its acetate D. I. Efremov and others, Izv. AN SSSR, Ser. Khim. no. 3 648-653 Mj '67.
- UNDERDEVELOPED AREAS—CONGRESSES**
Two conferences on the current problems of underdeveloped countries. V. A. Pultarkin, G. N. Ulkin, Izv. AN SSSR, Ser. Geog. no. 2:159-163 Mr-Apr '67.
- UNDERDEVELOPED AREAS—FOOD RELIEF, AMERICAN**
Export of agricultural commodities from the U. S. A. in accordance with government programs. V. G. Kuznetsov Biki [Prilozh.] no. 2 3-68 '67.
- UNDERDEVELOPED AREAS—INDUSTRIES**
Problems of industrialization in the developing countries. M. I. ekon. i mezhdunar. otn. no. 4 106-127 '67.
- UNDERWEAR**
New underwear fabrics from the "Kashnec znania" Factory. L. V. Pletitskaya, S. M. Fedotova, Tekst. prom. 27 no. 2:43-45 F '67.
- UNION OF SOVIET SOCIALIST REPUBLICS** see Russia
- UNITED NATIONS**
The fate of Southwest Africa at the United Nations V. Sidenko, Nov. vsem. 25 no. 22:1-5 Mj '67.
- Is the U. N. Charter out of date? G. I. Tunkin, Nov. vsem. 25 no. 20:10-12 Mj '67.
- A memorandum of the U. S. S. R. government regarding the "Operations of the United Nations on maintaining international peace and security." Mezhdunar. zhen. 11 no. 5 157-160 '67.
- UNITED NATIONS EDUCATIONAL, SCIENTIFIC, AND CULTURAL ORGANIZATION**
The UNESCO didn't approve a colonialist suggestion of Portugal. K. P. Ribnik, Sov. gos. i pravo no. 5 131-136 Mj '67.
- UNITED STATES—AGRICULTURE—ECONOMIC ASPECTS**
Absolute rent under the conditions of modern capitalism. E. Bregel, M. I. ekon. i mezhdunar. otn. no. 4:97-105 '67.
- UNITED STATES—ATOMIC BOMB**
The great pitfall. K. Morris, Zhurnalist no. 3:64-70 Mj '67.
- UNITED STATES—AUTOMATION—ECONOMIC ASPECTS**
Scientific and technical revolution and the intensification of the contradictions of capitalism. I. Tamarin, Mir. ekon. i mezhdunar. otn. no. 4 42-53 '67.
- UNITED STATES—BIG BUSINESS**
Zorin, V. S. [Uncrowned kings of America] Nekoronovannyye koryoli Ameriki. Izd. 2, dop. Moskva [Politizdat] 1967, 343 p.
- UNITED STATES—CIVIL DEFENSE**
Antinuclear defense systems of the United States. I. E. Baryshev, Vest. prirodovozr. obr. no. 3 86-89 Mj '67.
- UNITED STATES—CIVIL WAR**
N. G. Chernyshevskiy on the Civil War in the U. S. A. I. I. Ingushchenko, Uch. zap. Mord. gos. un. 20 113-160 '63.
- UNITED STATES—COMMERCE—UNDERDEVELOPED AREAS**
Export of agricultural commodities from the U. S. A. in accordance with government programs. V. G. Kuznetsov Biki [Prilozh.] no. 2 3-68 '67.
- UNITED STATES—COMMUNISM**
Influence of the October Revolution upon the development of Marxist philosophical ideas in the U. S. A. I. I. Chernyshev, Vop. filos. 21 no. 4:32-43 '67.
- UNITED STATES—CONSUMPTION (ECONOMICS)**
Housewives' riot. I. A. Skliarevskiy, Sov. profsoliuzy 23 no. 4:42-43 F '67.
- UNITED STATES—COST AND STANDARD OF LIVING**
Living standards in the U. S. S. R. and the U. S. A. S. Glebov, Nar. khoz. Kazakh. 18 no. 11:85-91 N '60.
- UNITED STATES—DRYING APPARATUS**
Agricultural drying equipment in the U. S. A. G. A. Rovnyy, Trakt. i sel'khoz. mash. no. 4:46-48 Ap '67.
- UNITED STATES—EDUCATION**
Notes on the manual training of students in the United States. P. N. Andrianov, Shkola i protzv. 11 no. 3: 65-70 Mj '67.
- UNITED STATES—ELECTRIC TRANSFORMERS—STANDARDS**
Standards on insulation levels for oil-filled high-voltage power transformers in the U. S. A. A. V. Sapozhnikov, Elektrotehnika 38 no. 1:60-63 Ap '67.
- UNITED STATES—ELECTRONIC DATA PROCESSING**
Electronic calculating machines in the governmental apparatus of the U. S. A. I. U. I. in'kov. Sov. gos. i pravo no. 5 137-141 Mj '67.
- UNITED STATES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA**
Vicious circle of the United States policy in Latin America. M. Giechov, Mir. ekon. i mezhdunar. otn. no. 4 54-65 '67.
- UNITED STATES—FOREIGN ECONOMIC RELATIONS—VENEZUELA**
"Small gift." I. A. Mikhailov, Sov. profsoliuzy 23 no. 4 12 F '67.
- UNITED STATES—FOREIGN RELATIONS**
Position of U. S. trade unions in the problems of foreign policy, from the Korean to the Vietnamese War. V. A. Liven', Ukr. ist. zhurn. 11 no. 4:76-81 Ap '67.
- UNITED STATES—FOREIGN RELATIONS—EUROPE, WESTERN**
A visit which left no doubts. S. Beglov, Mezhdunar. zhurn. 14 no. 5 121-122 '67.
- UNITED STATES—FOREIGN RELATIONS—GERMANY, WEST**
Behind the scenes of the American and Bonn alliance. Ernst Ilgen, Kommunist 14 no. 6 98-109 Ap '67.
- UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA**
Arms and politics in Latin America. A. Slutskovskiy, Mezhdunar. zhurn. 14 no. 5 98-117 '67.
- A boiling continent. V. Andrianov, Agitator no. 1:50-51 Ja '62.
- UNITED STATES—FOREIGN RELATIONS—VIETNAM, SOUTH**
The echo of Guam in Saigon. I. U. Lugovskiy, Mezhdunar. zhurn. 14 no. 5 124-125 '67.
- UNITED STATES—GROSS NATIONAL PRODUCT**
The gross national product of the U. S. A. and its structure. M. Barabarov, M. I. ekon. i mezhdunar. otn. no. 4:85-86 '67.
- UNITED STATES—GUIDED MISSILES**
Cosmic weapons. K. Morozov, Tekh. i voornuzh. 26 no. 1 42-47 Ja '67.
- UNITED STATES—INDUSTRIAL MANAGEMENT**
Problems of the structure of industrial management. R. Jukhsarav, Sots. i trud 12 no. 5 89-95 Mj '67.
- UNITED STATES—INTELLECTUAL LIFE**
Anti-Intellectualism in the intellectual life of the U. S. A. V. V. Shafarev, Vop. filos. 21 no. 1:176-177 '67.
- UNITED STATES—INTELLIGENCE SERVICE**
A nest of sabotage and conspiracy. D. Kasatkina, Agitator 34 no. 9:51-53 Ap '67.
- UNITED STATES—JET PLANES—FUEL**
Jet fuels in the United States and Great Britain. I. A. D. Chertkov, V. G. Sprikin, V. M. Ignatov, Khim. i tekhn. topl. i masel. 12 no. 4 49-52 Ap '67.
- UNITED STATES—JUVENILE DELINQUENCY**
Characteristic trends in the increase of juvenile delinquency in capitalist countries. I. U. Trolov, Rad. pravo no. 4:97-100 Ap '67.
- UNITED STATES—MANUAL TRAINING**
Notes on the manual training of students in the United States. P. N. Andrianov, Shkola i protzv. 11 no. 3: 65-70 Mj '67.
- UNITED STATES—MILITARY POLICY**
The aggressive policy of the United States and reactionary sociology. V. Eroshin, Kommunist 14 no. 8:108-117 Mj '67.
- UNITED STATES—POLITICS AND GOVERNMENT**
Whom will the Republicans choose? A. Butskiy, Nov. vrem. 25 no. 20:19-21 Mj '67.
- UNITED STATES—POPULATION**
Changes in the distribution of the population of the United States during the period imperialism. M. G. Solov'eva, Vop. geog. no. 71:85-115 '66.
- UNITED STATES—RADIO IN PROPAGANDA**
Dealers in "rotten goods." V. I. Iln, Radio no. 2:60 F '67.
- UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA**
Exhibition "Children's creative work in the U. S. S. R." P. N. Andrianov, Shkola i protzv. 11 no. 3:60-64 Ja '67.
- UNITED STATES—RELATIONS (MILITARY) WITH JAPAN**
On a dangerous path; notes of an observer. L. Nosyrev, Agitator 35 no. 9 58-59 Mj '67.

- UNITED STATES—REPUBLICAN PARTY**
Whom with the Republicans choose? A Butlitskii Nov
vrem 25 no 20-19-21 May '67
- UNITED STATES—RUSSIAN STUDIES**
Early history and development of the Anglo-American
historiography of the February Revolution in 1917.
G. Z. Ioffe, Ist. SSSR no. 2 137-159 Mr-Apr '67.
- UNITED STATES—STANDARDIZATION—SOCIETIES,
ETC.**
[National Bureau of Standards of the United States; Infor-
mational survey] Natsional'noe biuro standartov SSHA;
informatsionnyi obzor. Moskva [Izd-vo Standartov]
1966. 46 p.
[Standards Engineers Society of the United States] Ob-
shchestvo inzhenerov standartizatorov SSHA. Moskva,
Izd-vo Standartov, 1966. 40 p.
- UNITED STATES—STOCK AND STOCKBREEDING**
Ezhevskii, A. A., and I. E. Emel'yanov. [Commercial
production of livestock produce in the U.S.A.; mecha-
nization, technology, organization] Promyshlennoe
proizvodstvo produktov zhivotnovodstva v SSHA, mekha-
nizatsiia, tekhnologiia, organizatsiia. Moskva, Kolos,
1966. 254 p.
(DNAL)
- UNITED STATES—STUDENTS—POLITICAL ACTIVITY**
The youth movement and the teacher V Popko. Nar.
obi no 4 ill Ap '67.
- UNITED STATES—TEACHING, FREEDOM OF**
The illusion of "academic freedom" in the United States.
A. M. Kartmashkii, Vest. vyzhskoly 2 no. 3.65-68
Mr '67.
- UNITED STATES—TRACTORS—TRANSMISSION
DEVICES**
Analyzing the kinematic design of the planetary gear boxes
of the Ford and John Deere tractors. A. V. Petrov
Trakt i sel'khoz mash no 3 14-16 Ap '67.
- UNITED STATES—TRADE UNIONS**
Position of U.S. trade unions in the problems of foreign
policy, from the Korean to the Vietnamese War. V. A.
Liven', Upr Ist. zhur. 11 no. 4:75-84 Ap '67.
- UNITED STATES—TRANSPORTATION, MILITARY**
Long-distance automotive transportation in the United
States Army. Iu. Serebriakov. Tyl i snab. Sov. Voor.
Sil 27 no. 3 91-94 Mr '67.
- UNITED STATES—UKRAINIANS**
Ukrainian American Youth Association, Inc. [Program
and statutes of the Ukrainian American Youth Associa-
tion. With amendments adopted at its Sixth General
Congress, November 17-18, 1956, New York] Programma
i statut Spilky ukrains'koi molodi Ameriky. Dopovnenyi i
vypravleni VI-yim Holovnym z'izdom SUMA, shcho
vidbravsta 17 i 18 lystopada 1956 roku v Niu Iorku. New
York, Vyd. Holovnoi upravly SUMA, 1958. 32 p.
(NN)
- UNITED STATES—VISITORS, GERMAN**
Karl Liebknecht in the U.S.A. M. A. Noskov, Uch. zap.
Moud. gos un. 28 161-176 '63
- UNITED STATES—YOUTH**
A singer of "Dabula clubs." A. Volyn'tsev, Feaft 28
no 3 118-119 Mr '67
- UNITS**
International system of units. A. K. Kiselev. Tekst. pram.
27 no. 2 97-99 F '67.
- UNIVERSAL DECIMAL CLASSIFICATION** see Classifica-
tion, Universal decimal
- UNIVERSITIES AND COLLEGES—GRADUATE WORK**
(see also subdivision under Tomsk)
When a project is realistic. N. S. Litov, Vest. vyzh-
shkoly 25 no. 3:31-41 Mr '67.
- UNSATURATED COMPOUNDS**
Addition of benzoyl carbene to 1, 3-diene hydrocarbons.
V. A. Kalina, Iu. I. Khizmaz, A. A. Petrov, Zhur. org.
khim. 3 no. 4:537-542 Ap '67.
Effect of solvents on the course of the reaction of addition
of triethylmethane mercury salt to unsaturated com-
pounds. V. A. Tarakovskii, L. A. Nikonova, S. S.
Novikov, Izv. AN SSSR Ser. khim. no. 3 709-708
Mr '67.
Highly unsaturated polymers. Report No. 20. Polya-
polyarenes based on branched dienes M. P. Terpu-
ga and others, Izv. AN SSSR, Ser. khim. no. 3 662-667
Mr '67.
Kinetics and mechanism of heterolytic addition of chlorine
to unsaturated compounds. Part 3: Chlorination in pro-
ton solvents. Iu. A. Sergeev, E. A. Shilov, Ukr. khim.
zhur. 33 no. 2:173-181 '67.
Study of hydroxyl groups of acetylenic and alkylenic carbi-
nols and glycols by means of infrared absorption spec-
tra. G. D. Bagratishvili and others, Trudy Tbil. GU 74:
181-181 '59.
Synthesis of some bis(oligynyloxy) arenes. A. S. Zanina,
I. L. Kollinayevskii, V. S. Stepanchuk, Izv. AN SSSR
Ser. khim. no. 3 679-680 Mr '67.
- Thermal structuration of unsaturated polyesters S. V.
Vinogradova and others. Vysokom speed Ser. B 9
no. 1:31-33 Ja '67
- UNTOUCHABLES** see subdivision under India
- UPPER ATMOSPHERE** see Atmosphere, Upper
- URACIL**
Effect of 6-methylthiourea on secretory activity of
sheep liver. I. S. Ivanov, Trudy Oren. old. Vses. fiziol.
ob-va no. 3:83-87 '64.
- URACIL—PHYSIOLOGICAL EFFECT**
Prevention of side effects of some antibiotics on tissue
cells by means of 4-methylthiourea. I. I. Braude, I. G.
Shestakovskii, Antibiotiki 12 no. 4 333-338 Ap '67.
Some biochemical and functional characteristics of the
blastomeres of the thyroid gland in golden hamsters
caused by 6-methylthiourea. R. N. Akimova, G. I. Kulik
Vop. eksp. onk. no. 2 133-141 '66
- URAL MOUNTAIN REGION—COMMERCE**
Foreign trade relations of the Urals G. Vaganov, Vnesh.
torg. 47 no. 3:20 '67.
- URAL MOUNTAIN REGION—FISH CULTURE**
Acclimatization and cultivation of new valuable fish
species as a means of increasing fish productivity in
Ural waters. M. D. Tironov, Trudy Ural. old.
GosNIORKH 6:13-18 '61.
- URAL MOUNTAIN REGION—FISHERIES**
Thirty years of the Ural Branch of the State Scientific
Research Institute of Lake and River Fisheries, Iu. A.
Koz'min, Trudy Ural. old. G. NIORKH 6:3-11 '64
- URAL MOUNTAIN REGION—HIDES AND SKINS**
Quality of production on collective fur farming in Urals
and Siberia. A. A. Konukhov, Trudy Mosh. vet. akad.
16 114-157 '57
- URAL MOUNTAIN REGION—INDUSTRIAL MANAGEMENT**
Mein'ov, M. A., and P. F. Sorb. [Scientific organization
of labor at the work area] Nauchnaya organizatsiia
truda na rabochem meste. Moskva, Ekonomika, 1966.
186 p.
- URAL MOUNTAIN REGION—JOINTS (GEOLOGY)**
Joining of Mesozoic sediments in Ural Mountain region
of West Siberian Plain. R. A. Abdullin, S. G. Saksian
Neftegaz. geol. i geotiz. no. 2:15-47 '67.
- URAL MOUNTAIN REGION—LARCH**
Time of dissemination of Siberian larch seeds in north-
western part of its range and the role of this factor in
forest and tundra relationship. S. G. Shilov, Zap.
Sverd. old. VBO no. 4:109-113 '66.
- URAL MOUNTAIN REGION—PALEONTOLOGY,
STRATIGRAPHIC**
Paleontological characteristics of Solikamsk horizon of
Ural Mountain region. E. A. Guseva, Dokl. AN SSSR
172 no. 1392-1393 F '67.
- URAL MOUNTAIN REGION—RESERVOIRS**
Ural reservoirs. Z. M. Balabanova, Trudy Ural. old.
GosNIORKH 6:181-200 '64.
- URAL MOUNTAIN REGION—REVOLUTION, 1917-1921**
How the Bolsheviks of the Ural Mountain region led the
masses during the struggle for the rule of the Soviet.
F. P. Bystrykh, Vop. ist. KPSS 11 no. 4:47-58 Ap '67.
- URAL MOUNTAIN REGION—WHITEFISHES**
Reproductive capacity of whitefish hybrids. N. V.
Nestrenko, Trudy Ural. old. GosNIORKH 6:10-
60 '64.
- URAL MOUNTAINS—FAULTS (GEOLOGY)**
Deep fault in eastern Urals. O. I. Pinchuk, Geol. i
geofiz. no. 12 19-28 '66.
- URAL MOUNTAINS—FUNGI**
Mycoflora of the eastern slope of polar Urals. L. K.
Kazantseva, Zap. Sverd. old. VBO no. 4:162-166 '66.
- URAL MOUNTAINS—GEOLOGICAL TIME**
Absolute age of Tagil Massif based on optical data.
E. A. Kuznetsova, Blul. MOIP. Old. geol. 42 no. 1:84-
101 Ja-F '67.
- URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC**
Correlation of cross sections of Upper Cambrian sedi-
ments of Russian Platform and Urals. A. A. Klevtsova,
Dokl. AN SSSR 165 no. 6:1371-1374 D '65.
- URAL MOUNTAINS—LARCH**
Ecology of Larix sukaczewii in the southern taiga of Cen-
tral Urals. N. A. Kononov, V. D. Luganskaya, Zap.
Sverd. old. VBO no. 4:21-28 '66.
- URAL MOUNTAINS—LARCH—GENETIC RESEARCH**
Methods of biomelioral studies on generative organs in
Larix sukaczewii. E. A. Pugach, Zap. Sverd. old. VBO
no. 4:172-175 '66.
- URAL MOUNTAINS—LEAD ORES**
Accumulation of Pb and Zn in Mesozoic and Paleogene
sediments on the eastern slope of the Southern Urals.
A. G. Barannikov, L. A. Gurovskii, Dokl. AN SSSR
11 no. 3:246-249 Mr '67
- URAL MOUNTAINS—LICHENS**
Lichens in the high mountains of the Tuganay Range.
A. M. Volkova, Zap. Sverd. old. VBO no. 4:154-157 '65
- URAL MOUNTAINS—ORE DEPOSITS**
Iron caps of pyrite deposits of Southern Urals and cri-
teria of their distinction from accumulation of iron
hydroxides of infiltrated and sedimentary origin. N. A.
Chitcheva, Izv. AN SSSR Ser. geol. no. 1 58-74 Ap '67
- URAL MOUNTAINS—ORE DEPOSITS—MICROBIOLOGY**
Microbiological oxidation processes in Degtyarsk copper-
pyrite deposit. G. I. Karavaino, A. I. Goloniznik, V. S.
Filipenko, Izv. AN SSSR, Ser. biol. no. 3 386-393
My-Ju '67
- URAL MOUNTAINS—PYRITES**
Iron caps of pyrite deposits of Southern Urals and cri-
teria of their distinction from accumulation of iron
hydroxides of infiltrated and sedimentary origin. N. A.
Chitcheva, Izv. AN SSSR Ser. geol. no. 4 58-74 Ap '67.
- URAL MOUNTAINS—QUARTZ**
Structure of granulated quartz from veins of Central
Urals. G. A. Sinkevich, Dokl. AN SSSR 173 no. 5 161-
163 Ap '67.
- URAL MOUNTAINS—ROCKS, IGNEOUS**
Composition of chrome-spinellite and genetic types of
chromite mineralization of Kimpersay pluton. Geol.
rud mestorozh. 9 no. 2 76-93 '67
- URAL MOUNTAINS—TAIGAS**
Situation of the northern range of northern taiga subzone
on the eastern slope of Ural Range. M. M. Stozhikova
Zap. Sverd. old. VBO no. 4:165-73 '66.
- URAL MOUNTAINS—VOLCANIC ASH, TUFF, ETC.**
Pinnite tuff and calderas of Silurian in Central Urals
Iu. S. Karetin, Dokl. AN SSSR 173 no. 2:121-124 Mr
'67
- URAL MOUNTAINS—VOLCANOES**
New scheme of development of Silurian volcanism in
northern part of Central Urals. Iu. S. Karetin, Dokl.
AN SSSR 173 no. 5:1145-1148 Ap '67
- URAL MOUNTAINS—ZINC ORES**
Accumulation of Pb and Zn in Mesozoic and Paleogene
sediments on the eastern slope of the Southern Urals.
A. G. Barannikov, L. A. Gurovskii, Dokl. AN SSSR
11 no. 3 246-249 Mr '67
- URAL-VOLGA PETROLEUM REGION** see Second Baku
- URAL'SK—AGRICULTURAL RESEARCH**
On shores of the Derkul River, Ural Agricultural Field
Station. N. B. Semikhatova Priroda no. 3.88-93
Mr '67.
- URAL'SK PROVINCE—GROUND SQUIRRELS—
EXTERMINATION**
From practices in controlling sialika. N. S. Churikov,
Zashch. rast. 12 no. 4:7-10 '67.
- URANIUM**
Absorption of uranium (VI) by cation exchangers from
natural waters and carbonate-containing solutions.
V. S. Dement'ev, Radiokhimiia 9 no. 2:156-161 '67
Influence of certain factors on the adsorption of uranium
by ion exchangers from natural waters and carbonate
solutions. V. S. Dement'ev, Izv. AN Karakh. SSR Ser.
khim. 17 no. 2 12-18 Mr-Apr '67.
- URANIUM COMPOUNDS**
New salts of uranium-oxalic acid. A. A. Grinberg, G. S.
Lozhkina, Radiokhimiia 9 no. 2:179-183 '67.
Studying the system UF₃ - CaF₂. N. P. Nekrasova and
others. Atom. energ. 22 no. 4 293-296 Ap '67.
- URANIUM ISOTOPES**
Angular spectra of neutrons from the ternary fission of
U²³⁵ nuclei. O. I. Ivanov and others, IAd. fiz. 5 no. 4
737-740 Ap '67.
Channel analysis of U²³⁴ fission by neutrons. P. E.
Vorontkov, IAd. fiz. 5 no. 3:583-590 Mr '67.
Mass and kinetic energy distribution of fragments from
U²³³ fission by thermal and fast neutrons. V. I.
Senchenko and others, IAd. fiz. 5 no. 3:514-517
Mr '67.
Structure of the kinetic energy spectra of fragments
from U²³⁵ fission by fast neutrons. Iu. M. Artem'ev
and others, IAd. fiz. 5 no. 3:527-528 Mr '67.
- URANIUM ISOTOPES—DECAY**
New data on α -decay of U²³³. S. A. Baranov and others,
IAd. fiz. 5 no. 3:518-526 Mr '67.

URANYL COMPOUNDS

Peroxyfluoride complex compounds of uranyl. A.M. Gurevich, N.A. Susorova, V.V. Kurbatov. Radiokhimiya 9 no.2 183-187 '67

Systematics of the electronic states of uranyl compounds. L.V. Volod'ko, A.N. Sevchenko, D.S. Umireiko. Dokl. AN SSSR 172 no.6 1393-1394 P '67.

URANYL SALTS, EFFECT OF RADIATION OF

Chemical aftereffects during the preparation of neptunium 239 by means of neutron irradiation of uranyl salts. V.F. Peretrukhin and others. Dokl. AN SSSR 173 no.3 660-614 Mr '67.

UREA

Compounds of carbamide with acids. A.K. Mokkin and others. Zhur. neorg. khim. 12 no.1 917-957 Ap '67

Condensation products of allyl- and n-allyl-methoxy-pyrimidonic esters with urea. Zh. I. Bergudova, O.S. Stepanova. Uch. zap. KazGU 33 no.3 306-307 '67

Mutagenic effect of nitrosomethylurea on Trichotheceum roseum Link., producer of the antibiotic trichothecin. R.A. Aleksimova, I.A. Rapoport. Genetika no.3 107-113 Mr '67.

Reaction of urea with phosphoric anhydride. P.S. Bozad-zhev, S.I. Vol'kovich, A.I. Chekhovskikh. Zhur. pikh. khim. 40 no.4 895-897 Ap '67

S-alkylation of thiourea by n-allyl diazonium borofluorides. R.Kh. Treidina, B.V. Kopylova. Dokl. AN SSSR 173 no.4 839-842 Ap '67.

Solubility polythems of the system disubstituted potassium phosphate - urea - water. A.D. Druzev, A.G. Bergman. Ukr. khim. zhur. 33 no.2 151-153 '67.

System carbamide - potassium benzoate - water at 25°, 40°, and 60°C. S.I. Sukhova, I.G. Druzhina, S.D. Beskov. Zhur. neorg. khim. 12 no.3 805-808 Mr '67.

System CO(NH₂)₂ - Ca(NO₃)₂ - H₂O. A.G. Bergman, M.V. Markina. Zhur. neorg. khim. 12 no.3 801-804 Mr '67.

UREA—PHYSIOLOGICAL EFFECT

Effect of N-nitrosopyrrolidone on the disturbance of life cycle of leukemic cells. S.A. Goncharova, L.P. Lipchikova, O.S. Frankfurt. Dokl. AN SSSR 173 no.3 710-721 Mr '67.

UREN' DISTRICT—SOIL FUNGI

Effect of soil cultivation on fungous flora development. E.S. Bulyavskaya. Uch. zap. GGU 10 no.57-105 '66.

URETERS—TRANSPLANTATION

Restoration of normal urination ten years after transplantation of the ureters into the intestine. V.I. Rusakov. Khirurgiya 43 no.1 98-102 Ap '67

URETERS—TUMORS

Path of the spreading of papillary tumors of the kidney pelvis and the ureter. D.S. Muratkin. Urologiya 25 no.3 28-33 My-Je '60.

URETHANES—CONGRESSES

Scientific and Technical Conference on the Chemistry of Polyurethanes. Ukr. khim. zhur. 33 no.2 224 '67.

URETHANES—PHYSIOLOGICAL EFFECT

Effect of influenza virus on the genesis of tumors in animals following administration of urethane. A.F. Icelov. Vop. eksp. onk. no.2 52-58 '68.

URETHRA—MICROBIOLOGY

Experience in detecting and treating trichomoniasis in males. S.I. Mutusakov and others. Sov. med. 27 no.8 105-109 Ag '63.

URGENCH—OIL INDUSTRIES

Technological progress is the basis of new successes. E. Osankov. Nar. khoz. Uzb. 3 no.1 27-29 Ja '61.

URINARY CALCULI see Calculi, Urinary

URINARY ORGANS—BLOOD SUPPLY

Characteristics of blood supply to urinary organs in some amphibians. M.T. Buiachyn'skiy. Dop. AN URSSR no.10 1376-1379 '65.

URINARY ORGANS—CANCER

Papillary cancer of the urachus. A.I. Mikhail'son. Urologiya 25 no.3 68-67 My-Je '60.

URINARY ORGANS—SURGERY

Our results in intestinal plastic surgery in urology. A.P. Trumkin. Urologiya 25 no.3 10-18 My-Je '60.

URINE

Effect of adenosine triphosphate acid and vitamin B₁₂ on allantoin content in white rat urine. V.N. Nikitin, N. Pavili, L.A. Muratova. Uch. zap. KIGU 131 59-65 '62.

URINE—ANALYSIS AND PATHOLOGY

Intra-gastric pressure as a factor influencing redistribution of pepsinogen and chlorides excreted with gastric juice and urine. G.F. Korot'ko, A.M. Musaev. Bihl. eksp. biol. med. no.5 17-22 My '67

URINE—SECRETION

Emptying the urinary bladder in patients with trauma of the spinal cord. I.P. Shevtsov. Voen.-med. zhur. no.3 80-81 Mr '67

Restoration of normal urination ten years after transplantation of the ureters into the intestine. V.I. Rusakov. Khirurgiya 43 no.1 98-102 Ap '67

UROLOGY

(see also subdivision under Azerbaijan)

New manifestation of great concern for the welfare of the nation. Urologia 25 no.3 3-5 My-Je '60

UROLOGY—CONGRESSES

Report on the activity of the Society of Urologists of the Latvian SSR for 1959. A.T. Zakharova. Urologiya 25 no.3 73-74 My-Je '60.

Report on the activity of the Tashkent Society of Urologists for 1959. S.M. Igren. Urologiya 25 no.3 74 My-Je '60.

Report on the activity of the White Russian Society of Urologists for 1959. Z.A. Trofimova, E.D. Volkovich. Urologiya 25 no.3 72-73 My-Je '60

USA REGION (KEMEROVO PROVINCE)—CARBONATES

Studying the smelting of ferromanganese from concentrates of carbonate ores of USA deposit. N.V. Tolstoguzov, N.F. Iakushevich. Izv. vys. ucheb. zav., chem. met. 10 no.4 55-59 '67.

UST'-LABINSK DISTRICT—AGRICULTURE—STUDY AND TEACHING

Increase agronomical knowledge constantly. P. Manzhos. Zemledelie 29 no.4 65-66 Ap '67.

UTERINE FISTULA see Fistula, Uterine

UTERUS

Contractile function of the uterus and some clinical data on sex cycle in goats. G.G. Sadykov. Trudy Oren. otd. Vses. fiziol. ob-va no.3 133-141 '64.

Effect of chloral hydrate, caffeine, carbocholine, and spherophylline on uterus motility in sheep. N.M. Bulgakov. Trudy Oren. otd. Vses. fiziol. ob-va no.3 39-43 '64.

Methods of recording uterine contractions in goats by fistulization. G.G. Sadykov. Trudy Oren. otd. Vses. fiziol. ob-va no.3 125-132 '64.

Uterus motility in sheep during sex cycle and its changes as affected by some factors. N.M. Bulgakov. Trudy Oren. otd. Vses. fiziol. ob-va no.3 28-38 '64.

UTERUS—CANCER

Changes in microflora during radiotherapy in cancer of the cervix uteri. N.M. Sokolova, L.Z. Klechikov, E.K. Sarikhininskaya. Vop. onk. 13 no.4 80-85 '67.

Clinical and cytologic parallels in radiotherapy of cancer of the cervix uteri. L.M. Gohmanova-Grosheva. Vop. onk. 13 no.4 95-100 '67.

Histochemical characteristics of uterine adenocarcinoma. D.G. Todadze. Sob. AN Gruz. SSR 45 no.2 513-518 P '67.

Reactive changes of the lymphatic nodes in cancer of the cervix uteri. V.K. Vinitskaya. Vop. ekp. onk. no.2 222-227 '68

State of genital functions in women following surgical interventions and radiation effect in the small pelvis. T.P. Cheln-Matrasaeva. Vop. onk. 13 no.3 113-120 '67.

UTERUS—DISEASES

Rare case of intrauterine diffuse sclerosis of the arteries associated with their calcinosis. N.I. Popova. Arkh. pat. 29 no.1 72-74 '67.

UTERUS—SURGERY

State of genital functions in women following surgical interventions and radiation effect in the small pelvis. T.P. Cheln-Matrasaeva. Vop. onk. 13 no.3 113-120 '67.

UZBEKISTAN—AGRICULTURAL MACHINERY—MANAGEMENT

This problem should be solved without delay. A. Akhmedov. Eksp. i zhizn' 9 no.3 14-18 Mr '67.

UZBEKISTAN—AGRICULTURAL WORKERS

Growing number of activists in the trade union of agricultural workers and forest rangers in Uzbekistan. Sh. Sharapov. Trudy TashGU no.287 58-63 '66.

UZBEKISTAN—AGRICULTURE

Business initiative and enterprising spirit. I. Babkov. Eksp. i zhizn' 9 no.3 68-72 Mr '67

UZBEKISTAN—AGRICULTURE, COOPERATIVE

Role of Uzbekistan's cooperative cotton growing in the building of socialism. E.Kh. Erzin. Trudy TashGU no.287 50-57 '66.

UZBEKISTAN—AMARY HEMP—DISEASES AND PESTS

Study of nematode fauna of the kenaf (Hibiscus cannabinus L.) and rhizosphere soil. O.M. Mavlanov. Nauch. trudy TashGU no.291 91-98 '66

UZBEKISTAN—BIBLIOGRAPHY

Tashkent. Gosudarstvennaya publichnaya biblioteka. [Uzbekistan, 1958, Bibliographical index of literature] Uzbekistan, 1958 g., bibliograficheskiy ukazatel' literatury. Tashkent, Gosizdat UzSSR, 1962, 606 p.

UZBEKISTAN—BOOKSELLERS AND BOOKSELLING

The book trade should be equal to the demands of the time. L. Purgalin. Nar. khoz. Uzb. 3 no.1 88-87 Ja '61

UZBEKISTAN—CALCULI, URINARY

Some data on urolithiasis and methods of its treatment in Uzbekistan during the last five years. I.P. Pogoreiko. Urologiya 25 no.3 35-40 My-Je '60.

UZBEKISTAN—COLLECTIVE FARMS

Growing prosperity of the collective farmers of Uzbekistan, 1951-1958. S.S. Sahitov. Trudy TashGU no.287 35-38 '66

How the Communists struggled for the consolidation of collective farms, 1950-1955. A.A. Abdurakmanov. Trudy TashGU no.287 30-34 '66

UZBEKISTAN—COLLECTIVE FARMS—FINANCE

The correct distribution of income is an important condition for the further strengthening of collective farms. L. Kalo. Nar. khoz. Uzb. 3 no.1 56-60 Ja '61.

UZBEKISTAN—COLLECTIVE FARMS—MANAGEMENT

When twigs are blossoming. Boris Paramazin. Eksp. i zhizn' 9 no.3 48-52 Mr '67

UZBEKISTAN—COMMERCIAL LAW

Economics and the legal service of an enterprise. A. Gurin. Eksp. i zhizn' 9 no.3 19-22 Mr '67

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Reorganization of rural party organizations and the role of the political sections of machine-tractor stations in Uzbekistan, 1931. A. Nuritov. Trudy TashGU no.287 70-75 '66.

UZBEKISTAN—CONSTRUCTION INDUSTRY

Give full support to industrial methods. L. Pozharov. Nar. khoz. Uzb. 3 no.1 32-38 Ja '61.

UZBEKISTAN—COTTON GROWING

Kashkarov, A.K. [Agronomical bases of the intertillage cultivation of cotton in crop rotation] Agronomicheskie osnovy mezhriadnnoi obrabotki khlopkchalnika v sevooborote. Tashkent, 'Uzbekiston', 1966, 83 p. (DVAL)

UZBEKISTAN—COWS

Changes in blood catalase in cows during hot summer of Uzbekistan. A.S. Shatalina, M.I.A. Shchukina. Nauch. trudy TashGU no.291 68-77 '66.

UZBEKISTAN—CREDIT

Credit and technical progress. L. Minova. Nar. khoz. Uzb. 3 no.1 65-68 Ja '61.

UZBEKISTAN—DRY FARMING—STATISTICS

For a better use of dry farming area. S. Mazurin, D. Irbaev. Eksp. i zhizn' 9 no.3 73-78 Mr '67.

UZBEKISTAN—ECONOMIC CONDITIONS

In the third year of the seven-year plan. Nar. khoz. Uzb. 3 no.1 42, 52, 69 Ja '61.

The progressive growth of the production in Uzbekistan. N.M. Naumi. no.287 90-94 '66.

UZBEKISTAN—ECONOMIC POLICY

All efforts should be applied to fulfil schedule the plan for the third year plan. Nar. khoz. Uzb. 3 no.1 3-10

Increase the role of local planning in Nar. khoz. Uzb. 3 no.1 83-85 Ja

Best wishes to the journal. Nar. khoz. Uzb. 3 no.1 61.

To our readers. Nar. khoz. Uzb. 3

UZBEKISTAN—EDUCATION

Effort of the Communist Party of Uzbekistan contacts between the work of the demands of life. A. Azharov, no.287 39-43 '66.

Stages of growth. Eksp. i zhizn' 9

UZBEKISTAN—FARM BUILDINGS

Ways to improve rural construction. Nar. khoz. Uzb. 3 no.1 61-64 Ja '61.

UZBEKISTAN—FORAMINIFERA, FO

Foraminifera of Cretaceous sediments in the Kyzyl Kum. N.D. Arapova. Nauch. trudy TashGU no.273 121-12

1. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

2. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

3. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

4. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

5. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

6. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

7. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

8. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

9. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

10. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

11. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

12. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

13. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

14. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

15. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

16. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

17. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

18. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

19. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

20. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

21. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

22. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

23. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

24. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

25. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

26. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

27. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

28. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

29. *Uzbekistan—FISHES*
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

UZBEKISTAN—ORE DEPOSITS
This category includes deposits of gold, silver, and copper in Uzbekistan. R. P. Badalova. *Nauch. tr. TashGU* no. 273 33-40 '66.

UZBEKISTAN—PARASITES—FISHES
The species of *Myxosporidius* from fishes of Uzbekistan.
N. Alimov. *Dop. AN URSR Sci. R. 20* no. 3 270-271 Apr '67.

UZBEKISTAN—PETROLEUM GEOLOGY
The information conditions of oil and gas accumulations in the Tashkent uplift (western Uzbekistan) based on investigation of gases, oils, and condensates. D. S. Razumova. *Neftegaz. geol. i geofiz.* no. 2 7-11 '67.

UZBEKISTAN—PETROLEUM INDUSTRY—SAFETY MEASURES
Three years' work without an accident. V. V. Romashkin. *Russk. tr. i. prom.* no. 5 37-39 May '67.

UZBEKISTAN—PETROLEUM PRODUCTION—MANAGEMENT
Scientific labor organization in enterprises of "Uzbekneft".
C. B. A. P. Brucklin. *Organ. i uprav. neftekh. prom.* no. 6 33-35 '66.

UZBEKISTAN—POLITICS AND GOVERNMENT
Mass participation of workers in the organs of the party control of governmental agencies in Uzbekistan, 1926-1929. A. I. Novolodskii. *Trudy TashGU* no. 287 47-10 '66.

UZBEKISTAN—POLITICS AND GOVERNMENT
Practice of the party control of governmental agencies during the first five-year plan in Uzbekistan. M. I. Brodskii. *Trudy TashGU* no. 287 20-24 '66.

UZBEKISTAN—PSYCHIATRY
50th anniversary of psychiatry in Uzbekistan. I. P. Dutsig and others. *Zhurn. nev. i psikh.* no. 1 501-504 '67.

UZBEKISTAN—RESEARCH, INDUSTRIAL
Do they hear the march of time in the regional economic council. P. Nemkov. *IU Khimicheskii. Nauch. khoz. Uzb.* no. 1 70-72 Jan '67.

UZBEKISTAN—SHEEP
Increasing the productivity of the "Dzhaydara" sheep, as exemplified by the "Udinsk" State Farm. I. U. Nasyrov. *Trudy Uznizh* no. 4 26-37 '59.

UZBEKISTAN—SHEEP
Kirghiz fine and semifine-wool sheep in Uzbekistan. K. A. Likhov. *Trudy Uznizh* no. 4 19-22 '59.

UZBEKISTAN—SHEEP
Labor and feed expenditures per production unit under various structure of fat-tailed sheep flocks in Uzbekistan. M. Popov. *Trudy Uznizh* no. 4 43-61 '59.

UZBEKISTAN—SHEEP
Preliminary results of the development of fine-wool sheep raising in Uzbekistan. V. I. Vlasov and others. *Trudy Uznizh* no. 4 3-18 '59.

UZBEKISTAN—SOCIAL SCIENCES—STUDY AND TEACHING
Generalizing the experience in teaching social sciences. I. K. Vakhitov. *Sred. shkol. obr.* no. 10 46-49 Oct '66.

UZBEKISTAN—STEEL INDUSTRY—MANAGEMENT
Our potentialities. I. Mukhamedov. *Ekon. i zhizn'* no. 3 7-10 Mar '67.

UZBEKISTAN—SUCCULENT PLANTS
Radial gradient of oxidation-reduction potential in succulent fruit and other fleshy plant organs. M. Kh. Ibragimov. *Nauch. trudy TashGU* no. 291 144-148 '66.

UZBEKISTAN—TEXTILE MACHINERY INDUSTRY
The manufacture of textile machinery in Uzbekistan. V. Ivkova. *Nauch. khoz. Uzb.* no. 1 76-77 Jan '67.

UZBEKISTAN—TRADE UNIONS
Gentshe, L. V. [Historical experience of the participation of the Uzbek trade unions in the building of socialism, 1926-1932]. *Istoricheskiy opyt uchastia profsoyuzov Uzbekistana v sotsialisticheskoy stroitel'stve, 1926-1932 gg.* Tashkent, Nauka, 1958. 257 p.

UZBEKISTAN—TRADE UNIONS
Growing number of activists in the trade union of agricultural workers and forest rangers in Uzbekistan. Sh. Sharapov. *Trudy TashGU* no. 287 58-63 '66.

UZBEKISTAN—WATER BIRDS
Water bird hunting in Uzbekistan. D. I. Kashkarov. *Nauch. trudy TashGU* no. 291 140-143 '66.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZBEKISTAN—WHOLESALE TRADE—PRICES
What is the characteristic of the new wholesale prices. N. Tadzhiev. *Ekon. i zhizn'* no. 3 23-26 Mar '67.

UZEN' OIL FIELD—WATER, UNDERGROUND—ANALYSIS
Hydrogeology of Uzen' field. I. U. P. Gattenberger, V. A. Lukov, V. V. Iagodin. *Geol. nefti i gaza* no. 3 43-47 Mar '67.

VACATIONS, EMPLOYEE
(see also subdivision under Novosibirsk)
The right to rest; facts and figures. *Aglintor* 31 no. 8 15-17 Apr '67.

VACUUM CLEANERS see subdivision under Moscow
VACUUM CLEANERS—DESIGN AND CONSTRUCTION
Central vacuum cleaning installations. A. Kuznetsov. *Okhr. i izd. i soz. strakh.* no. 5 38-39 May '67.

VACUUM METALLURGY
Refining the Aljay aluminum-magnesium alloy in vacuum. S. Milov. *no. 15-13 '67.*

VACUUM METALLURGY
Results of enlarged laboratory tests on the vacuum treatment of matter in lead plants. V. N. Nesterov and others. *Trudy Inst. met. i obog. AN Kazakh. SSR* no. 10 '66.

VACUUM METALLURGY
[Magnetohydrodynamic methods in metallurgy; materials presented for discussion at the Fifth Riga Conference on Magnetohydrodynamics, June 20-25, 1966]. *MGD-melody v metallurgii, materialy, predstavlennoye dlia obshchdeniya na platom Rikskom sovetskom simpoziume po magnetnoi gidrodinamike (20-25 iyunia 1966 g.)*. Riga [1966] 31 p.

VACUUM METALLURGY
Thermal decomposition of chalcogenides in vacuum and further processing of the residues. O. B. Tkachenko, A. L. Tseft, O. Kuznetsov. *Trudy Inst. met. i obog. AN Kazakh. SSR* no. 10 41-52 '66.

VACUUM METALLURGY
Thermal decomposition of pyrite in vacuum and further processing of the residues. O. B. Tkachenko, A. L. Tseft, O. Kuznetsov. *Trudy Inst. met. i obog. AN Kazakh. SSR* no. 10 41-52 '66.

VACUUM METALLURGY
Thermal decomposition of pyrite in vacuum and further processing of the residues. O. B. Tkachenko, A. L. Tseft, O. Kuznetsov. *Trudy Inst. met. i obog. AN Kazakh. SSR* no. 10 41-52 '66.

VACUUM METALLURGY
Thermal decomposition of pyrite in vacuum and further processing of the residues. O. B. Tkachenko, A. L. Tseft, O. Kuznetsov. *Trudy Inst. met. i obog. AN Kazakh. SSR* no. 10 41-52 '66.

VACUUM METALLURGY
Thermal decomposition of pyrite in vacuum and further processing of the residues. O. B. Tkachenko, A. L. Tseft, O. Kuznetsov. *Trudy Inst. met. i obog. AN Kazakh. SSR* no. 10 41-52 '66.

VACUUM METALLURGY—EQUIPMENT AND SUPPLIES
Steam ejectors for vacuum treatment of liquid steel. I. U. M. Kuznetsov, V. A. Uspenskii. *Stal'* 27 no. 9 285-286 Mar '67.

VACUUM TECHNOLOGY
Stabilization of soap chip levels in the valves of a vacuum drying unit. M. I. Muchnik, V. T. Efimov, I. V. Vyn. *ucheb. zav. pribor. i tekhn.* no. 2 134-140 '67.

VACUUM TECHNOLOGY
System for controlling and regulating processes in vacuum technology. L. G. Golovchenko, V. V. Kuznetsov. *Izv. NIPT* no. 12 208-212 '66.

VACUUM TECHNOLOGY—CONGRESSES
Scientific and Technical Conference on Physics and Technology of High and Ultra-high Vacuum. G. Sakunyan. *At. energ.* 12 no. 3 245-247 Mar '67.

VAGUS NERVE
Bioelectrical activity in the gastric branches of the vagus nerve in the development of Brown-Tanaka carcinoma in the gastric wall in rabbits. B. Z. Shvachkin. *Izv. eksp. biol. i med.* no. 5 45-46 May '67.

VALERIC ACID
Asymmetric organic α -oxides. Part 27. Alkylation of α -aceto- β -alkoxy- γ -valerolactones. P. G. Zhuravskiy, N. I. Kopteva. *Zhurn. org. khim.* 3 no. 3 477-479 Mar '67.

VALINE
Primary structure of valine transport RNA of *Escherichia coli* yeast, nucleotide composition and oligonucleotides of ribonuclease hydrolyzates. T. V. Vukobratovic and others. *Dokl. AN SSSR* 177 no. 2 459-462 Mar '67.

VALVES
Analysis of distributing floating valves. A. I. Sokolov. *Izv. vuz. ucheb. zav. mashinost.* no. 2 19-53 '67.

VALVES
Experience in using nonreturn valves in subsurface centrifugal electric pumps. Z. A. Rosko, I. U. Sh. Monastiev, L. S. Kaplan. *Mash. i elekt. obr.* no. 2 22-25 '67.

VALVES
Modernization of UKS and UKN regulating valves. M. P. Podkovkin, V. M. Kudinov, K. G. Salomatov. *Mash. i elekt. obr.* no. 2 13-14 '67.

VALVES
Redesigning of the KTR-700/1000 safety valve of the T-100-130 turbine. V. I. Bellov. *Energetik* 15 no. 3 21-22 Mar '67.

VALVES
Testing of high-pressure equipment for erosion wear. P. V. Vlasov. *Inzh. i elektr. no. 1 46-47 Jan '67.*

VAN ALLEN RADIATION BELTS
Coulomb relaxation of earth's radiation belt electrons in the dense layers of the atmosphere. G. A. Timofeev. *Geomag. i aer.* 7 no. 2 255-263 Mar '67.

VAN ALLEN RADIATION BELTS
Nonlinear theory of cyclotron instability of earth's radiation belts. V. U. Frakhtengerts. *Geomag. i aer.* 7 no. 2 339-341 Mar '67.

VAN ALLEN RADIATION BELTS
Stability of earth's radiation belts. B. A. Iverakol. *Geomag. i aer.* 7 no. 2 226-242 Mar '67.

VAN ALLEN RADIATION BELTS
Studying earth's magnetic field with the aid of radiation belts. S. N. Kuznetsov. *Geomag. i aer.* 7 no. 2 342-344 Mar '67.

VANADIUM

Study of the reaction of vanadium with thiocarbonyl (8-methyl-2-thioxo-2,3-dihydro-1,2,4-triazole) by means of amperometric titration. I. M. Pavlova, O. A. Songina. Izv. AN Kazakh SSR Sci. Khim. 17 no. 2, 33-37. Mr-Apr '67.

VANADIUM CARBIDES

Carbon diffusion in vanadium and titanium carbides. V. S. Dymeev, V. S. Panov, Porosh. met. 7 no. 1, 65-69. Apr '67.

Rhombohedral phases of niobium and vanadium carbides. S. I. Alifanovskii and others. Zhur. neorg. khim. 12 no. 3, 579-582. Mar '67.

VANADIUM CHLORIDES—DENSITY

Orthobaric densities and critical parameters of TiCl_4 and VOCl_3 and density of their mixtures. L. A. Nisei'son, K. V. Irevlakova. Zhur. neorg. khim. 12 no. 4, 857-859. Apr '67.

VANADIUM COMPOUNDS

Dipole moments of inner-complex compounds of pentavalent vanadium. A. V. Savitskii, S. I. A. Skachkova, I. M. Kokoreva. Zhur. neorg. khim. 12 no. 3, 926-927. Mar '67.

Phenyl derivatives of vanadium. G. A. Razuvayev and others. Dokl. AN SSSR 172 no. 6, 1337-1339. Apr '67.

Pyrogallolcarboxylic complex of vanadium (IV). S. I. Shneiderman, E. P. Kilmenko. Zhur. neorg. khim. 12 no. 4, 927-932. Apr '67.

VANADIUM CRYSTALS—ELECTRIC PROPERTIES

Hall effect and electric resistance of vanadium in the 20°-300°K temperature range. E. B. Amilin, I. M. Kovalovskaya, I. U. Z. Kovdila. Fiz. tverd. tela 9 no. 3, 905-908. Mar '67.

VANADIUM-GALLIUM ALLOYS—ELECTRIC PROPERTIES

Phase diagram of the vanadium-gallium system. E. M. Savitskii and others. Izv. AN SSSR, Neorg. mat. 3 no. 1, 45-53. Jan '67.

VANADIUM OXIDES

Stoichiometry of formation of chemical compounds in the system V_2O_5 - NaVO_3 in the reaction of vanadium pentoxide with sodium chlorite. B. V. Shoboln, A. A. Fotlov. Izv. AN SSSR, Neorg. mat. 3 no. 1, 116-151. Jan '67.

VANAGS, GUSTAV, 1891-1905

In memory of Gustav Ivanovich Vanags. Zhur. org. khim. 3 no. 3, 591-595. Mar '67.

VAPOR—LIQUID EQUILIBRIUM

Effect of sodium acetate on equilibrium between liquid and vapor of the methanol-water system. L. L. Dobosovod, I. V. Bagirov. Zhur. prikl. khim. 40 no. 4, 926-928. Apr '67.

Kinetics of dimerization of cyclopentadiene and liquid-vapor equilibrium in the system isoprene-cyclopentadiene. T. M. Lesteva, S. K. Ogurodnikov, A. I. Morozova. Zhur. prikl. khim. 40 no. 4, 891-894. Apr '67.

Liquid-vapor equilibrium in the binary systems of dioxane with tri- and tetrahydrofuran. I. I. Lapidus, L. A. Nisei'son, A. A. Karateeva. Zhur. ob. khim. 37 no. 3, 531-533. Mar '67.

Liquid-vapor equilibrium in the systems formed by phosphorus trichloride and chloroform with some aliphatic ethers. I. I. Lapidus, L. A. Nisei'son, A. A. Karateeva. Zhur. ob. khim. 37 no. 3, 525-531. Mar '67.

Liquid-vapor phase equilibrium of the system methyl acetate-methanol. L. I. Dobosovod, I. V. Bagirov. Zhur. prikl. khim. 40 no. 4, 875-879. Apr '67.

Oxygen diffusion in molten iron. I. A. Novokhatskii, G. S. Eshkov. Izv. AN SSSR, Met. 2, 43-46. Mr-Apr '67.

VAPOR PLATING

Effect of the temperature of the base layer on the electric conductivity of films prepared by the vaporization of tantalum in vacuum. D. I. Lalner, V. I. Kholmitskii. Fiz. met. i metallov. 23 no. 3, 440-443. Mar '67.

VAPOR PLATING—EQUIPMENT AND SUPPLIES

Anticorrosion materials for the suppression of network emission in electric vacuum equipment. I. A. Podchelnikova, G. V. Samsonov, V. S. Fomenko. Dop. AN URSSR, Ser. A. 20 no. 1, 369-373. Apr '67.

VAPOR PRESSURE

Mass spectrometric study of the composition and vapor pressure of the system $\text{NaF}-\text{AlF}_3$. L. N. Sidorov and others. Dokl. AN SSSR 173 no. 2, 370-373. Mar '67.

Pressure and composition of saturated vapor over molts in the systems $\text{MgCl}_2-(\text{Na}, \text{K})\text{Cl}$. B. N. Kushkin, V. V. Rodafkin, S. I. Kuznetsov. Zhur. neorg. khim. 12 no. 3, 791-794. Mar '67.

Role of the gaseous phase in the interaction of SiO_2 with carbon. I. V. Ralchikov, I. A. S. Shcheglovitskii, Izv. AN SSSR, Met. 2, 57-58. Mr-Apr '67.

Vapor pressure of molybdenum of different purities. G. P. Kovtun, A. A. Kruglykh. Izv. AN SSSR, Met. 2, 222-224. Mr-Apr '67.

VAPOR PRESSURE—THERMODYNAMICS

Saturated vapor pressure as depending on boiling points. O. I. Gollanitskii. Zhur. fiz. khim. 41 no. 4, 781-785. Apr '67.

VARIATION OF LATITUDE see Latitude variation

VARNISH AND VARNISHING

Finishing furniture parts with the PC-236N varnish. A. E. Fino-hin, N. B. Smirnova. Dopr. prom. 16 no. 1, 21-25. Apr '67.

Production of varnishes from a styrene rectification vat product. I. I. Iukel'son and others. Lakokras. met. i kh. prom. no. 2, 18-19. Apr '67.

Riga, P. [Use of polyester varnish for furniture finishing] Opyt primeneniya poliesternogo laka dlia otdelki mebeli. Riga, 1966, 26 p. (Listok tekhnicheskoi informatsii. Derevoobrabatvushchaya i bumazhnaya promyshlennost', no. 1)

Use of polyester varnishes. M. A. Ivakhnov. Der. prom. 16 no. 1, 26-27. Apr '67.

[Use of polyester varnishes for the finishing of wood] Primeneniye poliestirnykh lakov dlia otdelki drevesyiny Riga, 1966, 12 p. (Derevoobrabatvushchaya i bumazhnaya promyshlennost', no. 3)

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VAUDEVILLE

In search for joy. V. Gnevskii. Teatr. 26 no. 4, 32-36. Apr '67.

VECTOR ANALYSIS

Theory of characteristic vectors and its application in studying the asymptotic behavior of solutions to differential systems. Part I. Hoang Huu Du'a'ng. Dif. urav. 3 no. 3, 146-167. Mar '67.

Theory of periodic perfectly continuous vector fields. A. Mukhammadiev. Usp. mat. nauk. 22 no. 2, 127-128. Mr-Apr '67.

A two-dimensional surface in four-dimensional affine-symplectic space. M. B. Vainikov. Mat. zap. Ural. mat. ob-va UrGU 5 no. 2, 10-20. Apr '65.

Use of Γ -monogenic functions in studying a Maxwell system. N. T. Stepanashuk. Zhur. vychisl. i mat. fiz. 7 no. 2, 431-436. Mar-Apr '67.

VEGETABLE GARDENING see subdivision under Surkhani Darya Valley

VEGETABLES

Effect of trace elements on yield of vegetable crop seeds. A. P. Vaganov. [Trudy] kllskii. 57 3-4. Apr '66.

VEGETABLES—STORAGE

How to store vegetables. B. Aleksandrov. Sem'na i shkola. 21 no. 10, 55. Oct '66.

VEGETABLES, CANNED

Biochemical characteristics of some types of vegetables for canning. A. I. Fedman, S. M. Kabeleva. Prikl. biokhimi i mikrobiol. 1 no. 2, 117-150. Mar-Apr '67.

VEHICLES, MILITARY

Passage is permitted. V. Peredel'skii. Sov. voen. 40 no. 5, 37-40. Mar '67.

VEHICLES, MILITARY—MAINTENANCE AND REPAIR

A busy track train. I. U. Topolov, O. Lavrov, A. I. Anshchikov. Tekh. i voen. 25 no. 1, 21-27. Jan '67.

VEIMARN, IEVHEN VOLODYMYROVYCH, 1906-

He, V. Veimarn; on his 60th birthday. Arkheologiya. 20. 5. '66.

VEINBERG, VSEVOLOD BORISOVICH, 1907-

Vsevolod Borisovich Veinberg; on his 60th birthday. Opt. i mekh. prom. 34 no. 3, 60-61. Mar '67.

VEINS

Ecologic and morphologic adaptation of main venous vessels in rodent's living in burrows. I. L. Tumanov. Dop. AN URSSR, Ser. B. 20 no. 4, 361-377. Apr '67.

Pathways of the outflow of venous blood from the superficial veins in the region of the breast in women; infrared ray study. I. A. M. Varanovskii, I. D. Lev, V. A. Ryndin. Arkh. anat., gist. i embriol. 52 no. 4, 45-52. Apr '67.

VEINS—DISEASES

Serial intravenous functional phlebography in the diagnosis of diseases of the venous system of the lower extremities. Z. Z. Baikova, I. A. Sanpiter, V. A. Rudol'fi. Sov. med. 30 no. 3, 123-125. Mar '67.

VEINS—RADIOGRAPHY

Possible errors in the interpretation of azygograms. S. I. Marmoshteln, A. Kh. Trakhtenberg, I. V. Bidiak. Vest. rent. i rad. 12 no. 2, 30-34. Mar-Apr '67.

Serial intravenous functional phlebography in the diagnosis of diseases of the venous system of the lower extremities. Z. Z. Baikova, I. A. Sanpiter, V. A. Rudol'fi. Sov. med. 30 no. 3, 123-125. Mar '67.

VEKSLER, VLADIMIR IOSIFOVICH, 1907-

Developer of powerful accelerators, the 60th birthday of Academician V. I. Veksler. I. V. Chuvillo. Piroda. no. 3, 80-87. Mar '67.

VELIKIYE LUKI—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The bureau of the city committee is submitting its annual report to the Plenum. Part. zhizn'. no. 7, 63. Apr '67.

VENA CAVA—SURGERY

Bakulev, A. N., V. S. Savel'ev, and E. P. Dumpe. [Surgical treatment of the upper vena cava and its tributaries] Khirurgicheskoe lechenie okklyuzii verkhnei poloi veny i ee pritokov. Moskva, Meditsina, 1967, 202 p. (DNL)

VENEERS AND VENEERING—EQUIPMENT AND SUPPLIES

Setting time for veneer sheets. N. A. Morozov, V. E. Voskresenskii, I. U. N. Shustarev. Mekh. i avtom. prom. 21 no. 4, 1-7. Apr '67.

VENEZUELA—COMMUNIST PARTY

Escape from San Carlos Prison. Juan Cobo. Nov. vsem. 25 no. 22, 24-25. May '67.

VENEZUELA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

"Small gift." I. A. Mikhailov. Sov. profsoyuz. 23 no. 1, 12. Apr '67.

VENING MEINESZ, FELIX ANDRIES, 1887-1906

F. A. Vening Meinesz. A. A. Mikhailov. Zem. i vod. 12 no. 2, 72-71. Mar-Apr '67.

VENTILATION—SAFETY APPLIANCES

Safety valve in air conduits of inflow ventilation. E. N. Bushmolev. Tekh., ekol., inform. Gos. nauch.-issled. inst. nauch. i tekhn. inform. 20 no. 4, 37. Apr '67.

VENUS (PLANET)—ATMOSPHERE

Distribution of radioluminance (temperature) over the Venus disc. A. G. Pavlov, G. M. Stelkov. Kosm. issled. 5 no. 2, 265-275. Mar-Apr '67.

VERKHNECHIRCHIKSKIY DISTRICT—COLLECTIVE FARMS

The economy of a collective farm in the upsurge. S. Shvetel'. Nauch. i zhizn. 3 no. 1, 71-75. Jan '67.

VERMICULITE

Chemical neutralization of nitrogen oxides during blasting operations in mines. V. V. Saitov, Be'op. i stud. v prom. 11 no. 1, 51. Apr '67.

VERSHININ, NIKOLAI VASIL'EVICH, 1867-

Nikolai Vasil'evich Vershinin; on the centennial of his birth. I. M. Dumenova, A. S. Saratkov. Fauna i toka. 70 no. 2, 252-253. Mar-Apr '67.

VERTICAL CIRCLE

Study of the divisions of the Struve-Ertel of the Pulkovo Observatory vertical circle used during the observations of Polaris. I. A. BD 60. 3. L. I. Medvedeva. Izv. GAO. 24 no. 3, 22-30. Apr '66.

VERTICALLY RISING AIRPLANES

Selecting optimum thrust-weight ratio of vertical take-off and landing airplanes by lifting engines. O. K. Hudanov, V. I. Rudomanov. Gidromet. i avtom. 25 no. 3, 114-118. Apr '67.

Vertical takeoff. V. Statistika. Tekh. i voen. 25 no. 3, 6-7. Apr '67.

VERTICILLIUM

Toxicity of Verticillium albo-atrum R. et B. fungus isolated from apricot. L. V. Matvilkobadze. Soob. AN Gruz. SSR. 45 no. 2, 491-197. Apr '67.

VESHENSKAYA (ROSTOV PROVINCE)—RADIOBROADCASTING

A great friend of radio. V. Grishaevev. Sov. radio i tel. 9 no. 6, 38-39. Apr '66.

VETCHI

[New methods in the breeding of beans, peas, and vetch] Novoe v metodike selektsii kormovykh bobov, gorokha i viki. Moskva, Izd-vo s.-kh. lit-ry, zhurnalov i plakatov, 1963, 191 p. (MIEM)

VETCHLING see subdivision under Mordovia

VETERANS—LAWS AND LEGISLATION

Laws reply to the readers. A. Vasil'ev. Sov. profsoyuz. 23 no. 7, 46. Apr '67.

VETERINARIANS

Dardker, S. S. [Veterinarian on a state farm] Vetvrach sovkhosa. Kiev, Urozhai, 1966, 47 p. (DNL)

- VIRGIN TERRITORY—FLAXSEED—DROUGHT RESISTANCE**
Evaluating the collection of oil flax for drought resistance in the Virgin Territory. O.I. Rizhnev, V.P. Bofanova. *Shor rub po maslu i chiromasu kul't* no. 1 19-23 '66.
- VIRGIN TERRITORY—GAS DISTRIBUTION**
Gas in Virgin land. V. Khamaimet, A. Kontin. *Gar prom* 12 no. 1 29-30 Ap '67.
- VIRGIN TERRITORY—GRAIN**
Kuz'min, V. P. [Breeding and seed production of grain crops in the Virgin Territory of Kazakhstan] *Selektsiya i semenovodstvo zernovykh kul'tur v Tselinnom krae Kazakhstana*. Moskva, Kolos, 1965, 197 p. (DNAL)
- VIRGIN TERRITORY—ROAD CONSTRUCTION—ACCOUNTING**
Internal business accounting and standard accounting in construction. A. Kotov, Bukhg. uch. 26 no. 4 20-21 Ap '67.
- VIRGIN TERRITORY—WHEAT—DISEASES AND PESTS**
Root rot in the Virgin Territory. P. A. Shehurenko. *Zashch. rast.* 12 no. 4 31 '67.
- VIROLOGY**
Epidemiological and virological characteristics of poliomyelitis in Azerbaijan during 1961. A. A. Babayev, Sh. S. Aliverdieva. *Azerb. med. zhur.* 44 no. 4 71-76 Ap '67.
Zhidanov, V. M., and S. I. A. Gaidamovich. [Virology] *Virusologiya*. Moskva, Meditsina, 1966, 480 p.
- VIRUS DISEASES**
Immunomorphology of respiratory virus infections in children. B. S. Gusman. *Akh. pat.* 20 no. 4 33-39 '67.
Pichkur, I. F. [Epidemiology and prevention of bacterial and virus intestinal infections; manual for subprofessional medical personnel] *Epidemiologiya i profilaktika bakterial'nykh i virusnykh kishchnykh infektsii, posobie dlia srednikh meditsinskikh rabotnikov*. Moskva, Meditsina, 1967. 210 p. (Biblioteka si ednego med. rabotnika) (DNLM)
- VIRUS DISEASES—PREVENTION**
Current problems of specific prevention of virus infections. V. N. Tarasov, A. G. Periyomatskii. *Voen.-med. zhur.* no. 1 46-52 Ap '67.
- VIRUS DISEASES OF ANIMALS**
[Problems of veterinary virology] *Voprosy veterinarnoi virusologii*. Moskva, Kolos. Vol. 2. 1966. 653 p. (DNAL)
- VIRUS DISEASES OF INSECTS**
Biological activity of RNA preparations, isolated from larvae of bee moth, infected with nuclear polyhedrosis virus. E. M. Zhechitsova, I. P. Kok. *Dop. AN URSR*, Ser. B 29 no. 1 75-78 Ja '67.
- VIRUS DISEASES OF PLANTS**
Chemical means for protecting plants from virus diseases. K. A. Nuridzhaniya. *Khim. v sel'khoz.* 5 no. 4 25-31 Ap '67.
- VIRUSES**
Correlation of polyoma viruses with cells of tissue culture mice. A. M. Shchevinskaya. *Vop. eksp. onk.* no. 2 70-75 '66.
Effect of viruses on the genotype of multicellular organisms; a review of literature. S. M. Genshenov, S. S. Malluto. *Tsu. i gen.* 1 no. 2 91-96 Mr-Apr '67.
- VISCERA—ABNORMALITIES AND DEFORMITIES**
Case of situs inversus viscerum. N. G. Azizov, B. I. Strikhaev. *Azerb. med. zhur.* 44 no. 4 88-90 Ap '67.
- VISCERA—INNERVATION**
Cortical localization of afferent visceral functions and their relations with nonspecific systems of the brain. E. S. Tolmanskaya. *Zhur. vys. nei. i dat.* 17 no. 2: 295-303 Mr-Apr '67.
- VISCOSE**
All-Union state standards for viscose cellulose. V. P. Sykol, V. V. Kalashnikov. *Bum. prom.* no. 2 25-26 F '67.
Decrease of chemical losses of fibers during the refining of viscose cellulose. I. A. Solov'ov, V. A. Solov'ev. *Bum. prom.* no. 2 18-19 F '67.
Several practical suggestions on the production of viscose cellulose. N. V. Putnikova, A. D. Mikitina. *Bum. prom.* no. 4 12 Ap '67.
- VISCOSIMETRY**
Change in viscosity along the height of a fluidized bed of iron ore concentrates. N. A. Gladkov and others. *Izv. AN SSSR, Met.* no. 2 3-6 Mr-Apr '67.
Viscosity of slags during blast furnace smelting of titanium magnetites. S. V. Shavrin, I. N. Zakharov, S. V. Shergol'meler. *Izv. AN SSSR, Met.* no. 2 14-21 Mr-Apr '67.
- VISCOSITY**
New kind of temperature dependence of the viscosity of inorganic glasses. S. V. Namilov. *Izv. AN SSSR, Neorg. mat.* 3 no. 4 579-584 Ap '67.
Othobaric densities and viscosity of liquid tungsten and thallium oxytetrafluorides. L. A. Nielsen, R. K. Nikol'sev, Z. N. Orshanskaya. *Zhur. neorg. khim.* 12 no. 4 860-863 Ap '67.
Using telescopic petroleum pipelines for pumping viscous petroleum. A. I. Kazubov. *Transp. i khim. nefti i nefteprod.* no. 1 3-5 '67.
Viscosity of aluminosilicate melts of the system $\text{MeVO}_2 - \text{Al}_2\text{O}_3 - \text{SiO}_2$. L. N. Shchudakov, E. T. Sarancha, A. A. Vakhlov. *Trudy inst. khim. nauk AN Kazakh. SSR* 15, 158-163 '67.
Viscosity of sodium aluminate solutions at temperatures from 25° to 90°. N. M. Baron, R. P. Matveeva. *Zhur. prikl. khim.* 40 no. 4 913-917 Ap '67.
- VISIBILITY**
Some improved methods for forecasting radiation fog and visibility. N. V. Petrenko. *Trudy TSIP* no. 157: 12-21 '66.
Vertical distribution of horizontal visibility under clouds and in clouds. M. A. Ralsimer. *Trudy TSIP* no. 157: 57-70 '66.
- VISIGOTHS**
Visigoths and the Roman Empire on the eve of the invasion of Hunas. A. M. Remennikov. *Vest. drev. ist.* no. 1 95-106 Ja-Mr '67.
- VISION**
Consecutive images in different vision models. V. K. Lapidevskii. *Dokl. AN SSSR* 173 no. 5 1206-1209 Ap '67.
- VISITORS, AMERICAN** see subdivision under Vietnam, North
- VISITORS, FOREIGN**
Through the eyes of foreign contemporaries, 1917-1920. *Ist. SSSR* no. 2 167-184 Mr-Apr '67.
- VISITORS, GERMAN** see subdivision under United States
- VISITORS, JAPANESE**
Description of Soviet Russia by K. Fuse. *A Japanese journal*, 1920. *Ist. SSSR* no. 2 189-191 Mr-Apr '67.
- VISITORS, RUSSIAN** see subdivision under India
- VISUAL DISCRIMINATION**
Determination of the rate of visual perception in vascular diseases in elderly persons. E. M. Mel'nik. *Zhur. nevro. i psikh.* 67 no. 4 511-514 '67.
Problem of the adequacy of images. N. I. Vergiles. V. P. Zinchenko. *Vop. filoz.* 21 no. 4 56-66 '67.
Significance of palid function of the cerebral hemisphere for the analysis of a moving stimulus. V. I. Blank, L. A. Aramonova. *Zhur. vys. nei. i dat.* 17 no. 2 280-286 Mr-Apr '67.
Visual disorders in eliminating infants of the brain. T. V. Znamenskaya. *Zhur. nevro. i psikh.* 67 no. 4 507-511 '67.
- VITAMIN METABOLISM**
Changes in metabolism of vitamins B₆, B₁₂, PP, pantothenic acid and vitamin C in chronic colitis of various etiology during tetacycline treatment. S. M. Borenova and others. *Antibiotiki* 12 no. 4 343-347 Ap '67.
Vitamin metabolism in experimental acute radiation sickness. V. P. Kalashnikova. *Med. rad.* 12 no. 4 80-91 Ap '67.
- VITAMINS**
Synthetic studies in the field of polyene compounds. Part 27: Oxidation of 6-chromanols of vitamins K₂/15 and K₂/20 by atmospheric oxygen. E. I. Kozlov, E. A. Obolnikova, G. I. Samokhinov. *Zhur. ob. khim.* 37 no. 3 544-546 Mr '67.
- VITAMINS—A**
Effect of gamma globulins in combination with trace elements on the cobalt, manganese, and copper content of blood in calves with hypovitaminosis A. P. K. Pinenov. *Khim. v sel'khoz.* 5 no. 4 43-47 Ap '67.
Heterogeneity of the paternal forms of hybrid corn in regard to the vitamin B content. F. F. Mal' L. E. Zakrevskaya. [Trudy] *KISKIII* 57 81-F
- VITAMINS—B₅** see Nicotinic acid
- VITAMINS—B₁₂** see Cyanocobalamin
- VITAMINS—C** see Ascorbic acid
- VITAMINS—D₂** see Ergocalciferol
- VITAMINS—H** see Biotin
- VITEBSK—KNIT GOODS INDUSTRY—SUPPLIES**
New machinery as the basis of modern Sevost'ianova. *Tekst. prom.* 27 no.
- VITEBSK PROVINCE—WORLD WAR 1939-1945**
Look at this photograph. N. Bakanov. *Voen. znani* 43 no. 2 8-9 F '67.
- VITICULTURE**
(see also subdivision under Kakheti)
New attachment to the PRVN-2, 5 vineyard plow for soil fumigation. P. A. Lukashchik, K. B. Glushko. *Fil. i met. i boi'sa ncl* no. 2 61-68 '66.
- VITREOUS STATE**
Electron paramagnetic resonance of manganese ions in the vitreous system As - Se - Ge. L. D. Bogomolova and others. *Dokl. AN SSSR* 165 no. 6 1336-1339 D '65.
Equilibrium diagram of the system $\text{TeO}_2 - \text{Na}_2\text{O}$. B. P. Trifilov, A. K. Akhkind, N. S. Martyshevskiy. *Izv. AN SSSR, Neorg. mat.* 3 no. 4 741-743 Ap '67.
New kind of temperature dependence of the viscosity of inorganic glasses. S. V. Namilov. *Izv. AN SSSR, Neorg. mat.* 3 no. 4 679-684 Ap '67.
Vitreous form of hydrogenated fat. I. V. Nikonov. *Izv. vys. ucheb. zav. i shch. tekhn.* no. 2 131-133 '67.
- VLADIMIR—COMMUNIST EDUCATION**
There are no D grades. K. Samoilov. *Mol. komm.* no. 3 63-66 '67.
- VLADIMIR PROVINCE—JUSTICE, ADMINISTRATION OF**
Our experience in the struggle against crime. V. TSarev. *Sots. znani*, no. 1 32-35 Ap '67.
- VLADIMIR PROVINCE—ROAD CONSTRUCTION—ACCOUNTING**
In honor of the 50th anniversary of the Great October Revolution. *Bukhg. uch.* 26 no. 4 38 Ap '67.
- VLADIVOSTOK—TELEVISION BROADCASTING OF FILMS**
A motion picture group in the studio. A. Maslennikov. *Sov. radio i tel.* 9 no. 2 32-33 '66.
- VLADIVOSTOK—TELEVISION BROADCASTING OF NEWS**
On the same day. M. Izhenko. *Sov. radio i tel.* 9 no. 3 26 '66.
- VNUKOVO (MOSCOW PROVINCE)—AIRPORTS—EMPLOYEES**
This is how the method is changed. P. Dzhiga. *Sov. profsoyuz* 23 no. 4 25 F '67.
- VNUKOVO (MOSCOW PROVINCE)—TRADE UNIONS**
This is how the method is changed. P. Dzhiga. *Sov. profsoyuz* 23 no. 4 25 F '67.
- VOCATIONAL EDUCATION**
(see also subdivision under Latvia; Soviet Union; Turkmenistan; Ukraine, Western)
Equipment of study rooms. V. M. Ladrov. *Sred. spets. obr.* 11 no. 3 19 Mr '67.
An exhibit of technical creations. *Sred. spets. obr.* 11 no. 3 40-52 Mr '67.
Greater attention to the students' physical education. *Sred. spets. obr.* 13 no. 10 1-4 O '66.
High appreciation. A. A. Vinogradova. *Sred. spets. obr.* 11 no. 3 1-5 Mr '67.
Inculcate the habits of independent work in students. B. N. Gishin. *Sred. spets. obr.* 11 no. 3 13-35 Mr '67.
The newspapers report. *Sred. spets. obr.* 13 no. 10 55 O '66.
- VOCATIONAL GUIDANCE**
(see also subdivision under Novokuznetsk, Ukraine; Yugoslavia)
Selecting an occupation and occupation. F. Maikovskiy. *Sots. trud* 12
To what to devote your life? *shkola* 22 no. 3
Various forms of

2110

VULCANIZATION (Continued)

Heat resistance of salt vulcanizing network. E. V. Zimin. *Vysokom. soed. Ser. B* 9 no. 1:77-78 Ja '67.
Vulcanizing of cables. I. M. Makarenko. *Vest. protivovozd. obor.* no. 3 81 Mr '67.
Vulcanization of ethylene copolymers with propylene containing unsaturated bonds V. N. Reikh, V. P. Mironuk, L. P. Zakharchenko *Kauch i rez* 26 no 4 2-4 '67

VYATKA VALLEY—GEOLOGICAL TIME

Age of ova formation of Vyatka-Kama Depression. S. G. Dubekhovskii. *Dokl AN SSSR* 172 no 6:1304-1306 F '67.

VYATKA VALLEY—GEOMORPHOLOGY

Recent data on the geomorphology and paleogeography of the Vyatka Valley. L. E. Setunskaya, N. G. Ivanova. *Izv. AN SSSR, Ser. geog.* no. 2:101-108 Mr-Apr '67.

VYNORADSKYI, IURII STEPANOVYCH, 1873-1956

Iur. S. Vynoradskiy; an obituary. *Arkheologiya* 20:234-235 '68.

VYSOTSKAIA, OL'GA SERGEEVNA

Her voice is known to millions. L. O. Krasova. *Sov. radio i tel.* 9 no 3-6-7 '60

WAGES

Compensation in transferring, accepting, and directing to work in other locality. M. Rumiantseva. *Sov. profsoyuzy* 23 no. 6:43-44 Mr '67.

Krivisov, N. A. [The wage scale and its improvement] *Tarifnaya sistema i ee sovershenstvovanie*. Minsk, 1968. 75 p. (CST-II)

The lawyer replies to the readers. *Sov. profsoyuzy* 23 no. 4 36-47 F '67.

Role of the socialist principle of distribution in developing a communist attitude toward work. I. P. Vasylets'. *Pyt. nauk. kom.* no. 1:44-57 '66.

Volodin, V. S. [Wages under the conditions of modern capitalism] *Za rabotnaya platu v usloviakh sovremen-nogo kapitalizma*. [Moskva] Izd-vo Mosk. univ., 1967. 313 p.

Work on holidays. M. Pan'ina. *Okh. i zh. d. sots. strakh.* 10 no. 4:30-31 Ap '67.

WAGES—ACCOUNTING

Workers and employees' paybooks. *Sov. profsoyuzy* 23 no. 4:45-46 F '67.

WAGES—CHEMICAL WORKERS

A new system of material incentives for workers of chemical industry enterprises. S. Z. Pogostin, E. L. Lebedeva. *Zhur. VKhO* 12 no. 2:139-145 '67.

WAGES—CLOCKMAKERS AND WATCHMAKERS see subdivision under Moscow

WAGES—CONSTRUCTION WORKERS

Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. Tsentral'noe normativno-issledovatel'skoe biuro. [A collection of standard calculations of labor expenditure and wages in the construction of large-panel residential buildings using standard designs in series 1-464 A of improved layout] *Sbornik tipovykh kalkulatsii zatrat truda i zarabotnoi platy na stroitel'stvo krupnopanel'nykh zilykh domov po tipovym proektam seri 1-464 A uluchshennoi planirovki*. Moskva, Stroizdat, 1966. 119 p.

Wages of construction workers. *Prom. Arm.* 10 no. 2: 68-69 '67.

WAGES—ENGINEERS

Incentives for engineering work. P. Tarasinkovich. *Sots. trud* 12 no. 5:28-32 My '67.

WAGES—INDUSTRIAL PROCUREMENT see subdivision under Volga-Vyatka Economic Region

WAGES—IRON AND STEEL WORKERS

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. *Sots. trud* 12 no. 5:154-155 My '67.

WAGES—MACHINERY INDUSTRY

Improving the wage scale for workers of the machinery industry. A. I. Mikhaltchenko. *Tekh. org. proizv.* no. 2:21-23 Nr-Apr '67.

WAGES—MACHINERY INDUSTRY WORKERS

Improving accounting for the repairmen's wages. V. Kluksin. *Bukh. uch. et* 26 no. 4:60-61 Ap '67.

WAGES—PETROLEUM WORKERS

(see also subdivision under Ukraine; Volgograd Province)

Results of introducing new wage terms for drilling foremen. A. A. Bragin, S. M. Kozyrev, I. M. Kunin. *Organ. i upr. nedob. prom.* no. 2:13-18 '66.

Ways to improve forms and systems of wages in petroleum industry. A. P. Lyshak. *Razrab. nef. i gaz. mest* no. 1:82-84 '66.

WAGES—SCRAP METAL INDUSTRY

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. *Sots. trud* 12 no. 5:154-155 My '67.

WAGES—SHOE INDUSTRY see subdivision under Ukraine

WAGES—TEXTILE WORKERS

Wages and bonuses for the repair personnel. M. G. Sobolev. *Tekst. prom.* 27 no. 2:77-79 F '67.

WAGES AND LABOR PRODUCTIVITY

Correlation of the rates of growth of labor productivity and wages at the various stages of the development of the socialist economy. I. G. Shilin, I. V. Blizhukova. *Vest. Mosk. univ. Ser. 7 Ekon.* 22 no. 2:15-24 Mr-Apr '67

WALL NEWSPAPERS

How to prepare a wall newspaper. F. K. Iuchkov. *Komm. Vooruzh. Sil* 48 no. 8 85-88 Ap '67.

WAR CRIMINALS

Stangl, the butcher of Treblinka. V. Rozen. *Nov. vrem.* 25 no. 20:30-31 My '67

The unsolved secret of the Third Reich. Simon Vizental'. *Nov. vrem.* 25 no. 23 20-21 Je '67.

WAR MEMORIALS see subdivision under Leningrad; Novosibirsk

WAREHOUSES—DESIGN AND CONSTRUCTION see subdivision under Leningrad

WAREHOUSES—MECHANIZATION

Mechanized storage of dies. G. Z. Poz. *Mashinostroitel'* no. 1:18-19 Ap '67.

WARSAW—AUTOMOBILE DRIVERS—PSYCHOLOGY

Psychological selection of automobile drivers. I. U. Smiatek. *Tekh. i vooruzh.* 25 no. 4 44-45 Ap '67.

WASTE PAPER

Storeroom of material resources. N. Solteremnikov. *Mat. i. tech. snab.* 2 no. 1:63-65 Ap '67.

WATER

(see also subdivision under Rybinsk Reservoir)

Colorimetric determination of the heat of water ionization in the 0°-70°C temperature range at different values of ionic strength. V. P. Vasil'ev, G. A. Lobanov. *Zhur. fiz. khim.* 41 no. 4:838-843 Ap '67.

WATER—ANALYSIS see subdivision under Kuybyshev Reservoir region

WATER—COMPOSITION

(see also subdivision under Balkhash, Lake; Caucasus; Caucasus, Northern; Chir Valley; Don River; Donuzlav, Lake; Kazakhstan, Lihumala, Neva River; Norwegian Sea; Volga Delta; Volga Valley, Volgograd Reservoir)

Adsorption properties of natural bottom sediments in relation to synthetic anion surface active agents. V. T. Kaplin and others. *Gid. okhlm. mat.* 42 266-301 '66.
Composition of organic matters on flood waters forming in small drainage basins of arid zone. A. D. Semenov and others. *Gid. okhlm. mat.* 42:186-190 '66
Content of organic acids and their esters in river waters. A. D. Semenov, V. A. Bryzgalov. *Gid. okhlm. mat.* 42 168-170 '66

Destruction of polyatomic phenols and naphthols in polluted natural water depending on temperature. V. T. Kaplin, S. E. Panchenko, N. G. Fesenko. *Gid. okhlm. mat.* 42:262-273 '66.

Evaluation of Br, J, Zn, and Cu dissolved in river waters of U.S.S.R. T. Kh. Kolesnikova, G. S. Kononov. *Gid. okhlm. mat.* 42 85-93 '66.

Leaching aggressiveness of river waters of Soviet Union. O. A. Alekin and others. *Gid. okhlm. mat.* 42 56-64 '66

Leaching of aluminum silicates of igneous rocks. G. N. Daulova. *Gid. okhlm. mat.* 42:231-234 '66

Microelements in the water and in the suspended matters of rivers of Asiatic U.S.S.R. G. S. Kononov, A. A. Ivanova, T. Kh. Kolesnikova. *Gid. okhlm. mat.* 42 112-123 '66.

Rare and trace elements (microelements) in water and suspended matters of rivers of European part of U.S.S.R. G. S. Kononov, A. A. Ivanova, T. Kh. Kolesnikova. *Gid. okhlm. mat.* 42 94-111 '66

Water of main rivers in Soviet Union containing bromine and iodide. T. Kh. Kolesnikova, G. S. Kononov. *Gid. okhlm. mat.* 42:70-84 '66.

Waters of some rivers of Soviet Union containing separate groups of organic matters. A. S. Semanova and others. *Gid. okhlm. mat.* 42:171-177 '66.

WATER—ELECTRIC PROPERTIES see subdivision under Volga River

WATER—MICROBIOLOGY

(see also subdivision under Dnava River)

Methodology of quantitative determination of ammonifying bacteria in bodies of water. G. N. Oleinik. *Gidrobiol. zhur.* 3 no. 2: 81-83 '67.

WATER—PHYSIOLOGICAL EFFECT

Study of diuretics under various drinking conditions. A. T. Astanukulova. *Nauch. trudy TashGU* no. 20 86-90 '66.

WATER—POLLUTION

(see also subdivision under Volga Delta)
Our planet and we... S. Slarkovich. *Sem'ia i shkola* 21 no. 10:57-58 O '66.

WATER—PURIFICATION

(see also subdivision under Dniester River)

Mechanism of self-purification of surface waters of land from phenol compositions. Report No 1 Oxidation of simplest phenol (carboxylic acids) by air oxygen. V. T. Kaplin, E. I. Peleishstein, N. G. Fesenko. *Gid. okhlm. mat.* 42 274-286 '66

Role of bottom sediments in process of self-purification of reservoirs from phenol compositions. V. T. Kaplin, E. I. Peleishstein, N. G. Fesenko. *Gid. okhlm. mat.* 42 287-295 '66

Some problems in the automation of clarification of water in clarifiers with a "suspended filter." A. G. Blank, A. I. Berner. *Za tekhn. prog.* 7 no. 1:6-8 Ja '67.

Study of the physical parameters of suspensions of the contact medium and their effect on the operation of clarifiers. S. M. Dzhabarov. *Za tekhn. prog.* 7 no. 1: 33-37 Ja '67.

WATER, UNDERGROUND

(see also subdivision under Baku region, Caucasus, Northern; Lvov-Volyn' Basin, Mangyshlak Peninsula)
Azonal phenomena in hydrogeology and their place among zonal phenomena and importance for mineral prospecting. M. P. Tolstol. *Dokl. AN SSSR* 173 no. 3:651-653 Mr '67.

Determining calculated significance of water loss for large masses of water-bearing formations in river valleys. R. V. Borodin. *Nauch. trudy TashGU* no. 273: 150-164 '66

Evaluation of resources of ground waters according to data of their level regime in river valleys of mountain regions. R. V. Borodin. *Nauch. trudy TashGU* no. 273 140-158 '66.

First observations on level of underground waters in Russia. E. P. Stankevich. *Uch. zap. Kazan. univ.* 10:98-101 '65.

Origin and regularities of distribution of argon in underground waters of oil- and gas-bearing basins. L. K. Gaisalo, G. G. Kholmova. *no. 2:250-253 F '67.*

Spatial percolation under piled apions. A. A. Hlushchenko. *Dop. AN URSS, Ser. A* 20 no. 1:9-13 Ja '67.

Using air injection in water well for quick determination of hydrogeological parameters of layer. D. F. Shul'gin. *Nauch. trudy TashGU* no. 273:144-148 '66

WATER, UNDERGROUND—ANALYSIS

(see also subdivision under Azerbaijan, Uzen' Oil Field)

Using organic solute as hydrochemical indicator of oil and gas occurrence in hydrochemical surveying. V. A. Filonov. *Neftegaz. geol. i geofiz.* no. 2 38-42 '67.

WATER, UNDERGROUND—COMPOSITION

(see also subdivision under Meshchera; Polesye; Siberia, Soviet Far East)

Determination of wide range of microelements in natural waters in the course of hydrochemical research with preliminary sorption on "mixed sorbent." N. I. Brodskaya, I. P. Vychuzhina, A. D. Miller. *Zhur. prikl. khim.* 40 no. 4:802-805 Ap '67.

Geochemistry of rubidium in underground water. Krasnov, S. D. Kapranov, N. G. Petrova. *Geo.* no. 2:185-196 F '67.

Role of physiogeographical factors chemical composition of underground. P. S. Poshkov. *Gid. okhlm. mat.* 42 2.

WATER BIRDS see subdivision under

WATER FLEAS

(see also subdivision under Chert)
Observations on oogenesis of some *Makrusia*. *Trudy Inst. biol. nauch.* 182 '66.

Sensilla of trunk limbs in *Cladocera*. *Zool. zhur.* 46 no. 2:280-288 F '67.

WATER HEATERS

Simplified device for indicating level. A. L. Ascheulov, B. N. Milinaev. *I.* 18-19 Ja '67.

WATER IN THE BODY

Dehydration of human body in high Chernobyl. I. V. Maksimov. *Voc* 62-64 Mr '67.

WATER METABOLISM

Effect of various drinking patterns on condition of high air temperature. F. T. Eronin. *Fiziol. zhur.* 49 no.

WELDING

Use diffusion welding in production. M. Korsakov. Okhr. tuda i sots strakh. 10 no. 4 22 Ap '67

WELDING—COMPETITIONS

The All-Union competition on the improvement of procedures for lengthening service life and reliability of welded structures. Svar. proizv. no. 4 4 of cover Ap '67.

WELDING—EQUIPMENT AND SUPPLIES

(see also subdivision under Germany, East)

Universal gas-shielded electric welding ship. G. Nazarian. Tekh. i voen. 25 no. 3 10-11 Mr '67

Universal sectional fixtures for welding and soldering operations. I. D. Artem'ev. Svar. proizv. no. 4 34-36 Ap '67.

WELDING—HANDBOOKS, MANUALS, ETC

Siepanov, V. V., ed. [Welder's handbook] Spravochnik svarechchika. Ed. 2., perer. i dop. Moskva, Mashinostroenie, 1967. 430 p.

WELDING—HYGIENIC ASPECTS

Influence of the composition of ceramic fluxes on dust formation and gas liberation in automatic deposition. K. A. Oleinichenko and others. Svar. proizv. no. 4 47-48 Ap '67.

WELDING METALLURGY

Distribution of chemical elements in weld-metal zone during butt welding of blank. I. U. G. Kutsov. Nauch. trudy Dnepr. inst. cher. met. 21, 350-356 '65.

WELLS, HERBERT GEORGE, 1866-1946

What Wells saw. L. Lagin. Nov. vrem. 25 no. 23-15-16 Je '67.

WEST GERMAN NEWSPAPERS

Why do West German newspapers vanish? V. Rozen. Nov. vrem. 25 no. 10-31-32 My '67.

WEST GERMANY see Germany, West

WEST SIBERIAN PLAIN—GAS, NATURAL—GEOLOGY

Basic characteristics of formation and distribution of oil and gas pools in Mesozoic sediments of West Siberian Plain. F. G. Gurari, A. E. Kontorovich, E. E. Potladt. Geol. i geofiz. no. 1 3-12 Ja '67.

WEST SIBERIAN PLAIN—GEOLOGY, STRATIGRAPHIC

Division and problems of correlation of continental Paleogene and Neogene sediments in West Siberian Plain. V. A. Martynov. Geol. i geofiz. no. 1 3-24 Ja '67.

WEST SIBERIAN PLAIN—PETROLEUM GEOLOGY

Basic characteristics of formation and distribution of oil and gas pools in Mesozoic sediments of West Siberian Plain. F. G. Gurari, A. E. Kontorovich, E. E. Potladt. Geol. i geofiz. no. 1 3-12 Ja '67.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WETTING AGENTS

Using DB wetting agent for intensification of dewatering coal concentrates. V. G. Shatalov, I. U. A. Margolin, L. P. Dotum, Ugol' Ukr. 11 no. 1 44-45 Ja '67.

WHEAT

(see also subdivision under Kazakhstan)

Importance of the ratio of potassium and calcium in growing winter wheat. L. V. Mosolova. Agrokhimia no. 5 61-65 My '67.

Strong wheat as the wealth of a collective farm. I. Kurilenko. Zerk. i masl. kul'. 2 no. 5 14-15 '67.

WHEAT—DISEASES AND PESTS

(see also subdivision under Karaganda Province, Virgin Territory)

Chlorocholine chloride, its effectiveness against the lodging of grain and condition for its efficient use. G. A. Cheremisinov. Khim. v sel'. khoz. 5 no. 4 74-77 Ap '67.

WHEAT—FERTILIZERS AND MANURES

(see also subdivision under Irkutsk Province; Stavropol Territory, Udmurt A.S.S.R.)

Effect of phosphorus fertilizers on the growth and development of the root system in spring wheat. T. A. Baida. Vest. sel'. khoz. nanki [Kazakh.] 9 no. 12 29-33 D '66.

WHEAT—GENETIC RESEARCH

Cytologic studies of the mutants of wheat. L. I. Vechevko. Vest. sel'. khoz. nauki [Kazakh.] 9 no. 12 45-49 D '66.

Study of relationship between gluten content and quality and some morphological and biological properties of soft wheat hybrid population. O. I. Maistrenko. TSit. i gen. 1 no. 2 62-65 Mr-Apr '67.

WHEAT—IRRIGATION

Expenditures repay for yourselves with interests; growing wheat with irrigation. A. Sobolev. Zerk. i masl. kul'. 2 no. 5 12-13 '67.

WHEAT—VARIETIES

Geographical variability of nucleic acid content in embryos of "Bezostat 1" wheat variety. V. N. Stoletov and others. Dokl. AN SSSR 173 no. 2 169-171 Mr '67.

WHEAT—WATER REQUIREMENTS

Relationship between yield and water balance in ontogeny of soft spring wheat. Z. F. Linaidina. Fiziol. rast. 14 no. 2 360-363 Mr-Apr '67.

WHEAT BREEDING

Characteristics of form development in crossing wild and cultivated wheat. L. I. Vigorov. Zap. Sverd. old. VBO no. 4 87-90 '66.

A note on wheat of the genus Haynalticum Zhuy and the meiosis course in it. B. A. Vakar. Zap. Sverd. old. VBO no. 4 143-146 '66.

WHEAT RUSTS

(see also subdivision under Caucasus, Northern, Soviet Far East)

Common salt as means for controlling wheat rusts. O. N. Voichishina. Trudy VIZR no. 13 64-67 '58.

Development of pathogens of stripe rust Puccinia glumarum in wheat leaves during incubation period. M. I. U. Stepanova. Trudy VIZR no. 13 170-176 '58.

Development of Puccinia glumarum Erikss. et Henn. in wheat seeds. N. A. Naumova. Trudy VIZR no. 13 134-154 '58.

Distribution of Puccinia glumarum Erikss. et Henn. on wheat ears. N. A. Naumova. Trudy VIZR no. 13 155-160 '58.

Effect of various conditions of wheat germination on susceptibility of plants in following generations. V. F. Rashevskaya, V. P. Nilova. Trudy VIZR no. 13 117-133 '58.

Losses of wheat grain from rust and effectiveness of measures for its control. A. E. Chumakov. Trudy VIZR no. 13 7-10 '58.

WHEAT-RYE HYBRIDS

Comparative study of meiosis and wheat-rye amphidiploids 31AD-72 and AD-129. G. V. Zueva. Zap. Sverd. old. VBO no. 4 146-149 '66.

WHITE RUSSIA—AGRICULTURAL RESEARCH

White Russian Academy of Agricultural Sciences during the 50 years of the Soviet regime. K. M. Sotnisev. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 5-10 '67.

WHITE RUSSIA—ALLUVIUM—ANALYSIS

Characteristics of the formation of composition of present-day alluvial sediments of the rivers of the White Russian S.S.R. V. A. Kuznetsov, K. I. Lukashev. Dokl. AN BSSR 11 no. 3 242-245 Mr '67.

WHITE RUSSIA—ANTHIPOLOGY, PREHISTORIC

Origin of the White Russians; problems of a Baltic substratum in the ethnogeny of the White Russians. V. V. Sedov. Sov. etn. no. 2 112-129 Mr-Apr '67.

WHITE RUSSIA—ANTIQUITIES

The ancient settlement and burial ground of the Zarubinty culture type in southern White Russia. O. M. Melnykova. Arkheologiya 18 196-205 '65.

WHITE RUSSIA—APPLE SCAB

Varietal resistance of apple to scab. L. V. Kuntsevich. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 63-68 '67.

WHITE RUSSIA—BEAVERS

Beavers in White Russia. E. G. Samusenko. Priroda no. 3 101 Mr '67.

WHITE RUSSIA—CATTLE—DISEASES AND PESTS

Leukemia of cattle in White Russia. V. M. Lomesh. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 104-107 '67.

WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Center of propaganda work. F. Leon'ev. Voenn. znani. 43 no. 3 36-37 Mr '67.

WHITE RUSSIA—CONCRETE PLANTS—ACCOUNTING

Improve accounting for the output and wages. V. Ermolinskii. BuKhg. uch. 26 no. 4 18-20 Ap '67.

WHITE RUSSIA—DAIRY CATTLE BREEDING

Variability, heritability, and interrelation of milk yield, and fat and protein content of milk in Brown Latvian cows and crosses with Jersey cattle. A. S. Iur'ianava. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 89-95 '67.

WHITE RUSSIA—FEEDS—COMPOSITION

Amino acid composition of feed proteins in White Russia. V. F. Lemesh and others. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 78-84 '67.

WHITE RUSSIA—FERTILIZERS AND MANURES

Effectiveness of mineral fertilizers in turf-Podzolic and peat-bog soils. N. A. Kovalenko. Khim. v sel'. khoz. 5 no. 4 66-69 Ap '67.

Skel', M. P., and S. M. Drazhnik. [Practices in the preparation and use of fertilizers] Opyt prigotovleniya i ispol'zovaniya udobrenii. [Minsk, Urozhai, 1966] 34 p. (Reshenia XXIII s'ezda KPSS v zhizni!) (DNAL)

WHITE RUSSIA—GEOLOGY, STRUCTURAL

Characteristics and basic stages of the development of the main tectonic structures in the White Russian S.S.R. Z. A. Gorelik. Dokl. AN BSSR 11 no. 3 250-252 Mr '67.

WHITE RUSSIA—HISTORICAL RESEARCH

White Russian historians prepare for the 50th anniversary of the Great October Revolution. P. T. Potrykov. Ukr. ist. zhur. 11 no. 4 152-154 Ap '67.

WHITE RUSSIA—HISTORY

Ignatenko, A. P. [An introduction to the history of the White Russian S.S.R., periodization, sources, and historiography] Vvedenie v istoriu BSSR, periodizatsiya, istochniki, istoriografiya. Minsk, Vysshaya shkola, 1965. 47 p. (CSI-II)

WHITE RUSSIA—IRON AGE

Melnikovskaya, O. N. [Tribes of southern White Russia in the early Iron Age] Plemena Uzhnoi Belorussii v rannem zheleznom veke. Moskva, Nauka, 1967. 192 p.

WHITE RUSSIA—MAN, PREHISTORIC

Melnikovskaya, O. N. [Tribes of southern White Russia in the early Iron Age] Plemena Uzhnoi Belorussii v rannem zheleznom veke. Moskva, Nauka, 1967. 192 p.

WHITE RUSSIA—MEAT INDUSTRY

Meat industry of White Russia honors the anniversary of Soviet rule. A. Iakovlev, A. Lobanova. Mias. ind. SSSR 38 no. 4 3-4 Ap '67.

WHITE RUSSIA—MILLET

Pay more attention to the seed production of millet. A. Sushchevich, I. Sheslovets. Zerk. i masl. kul'. 2 no. 3 15-16 '67.

WHITE RUSSIA—NERVOUS SYSTEM—DISEASES

Development of neuropathology in the White Russian S.S.R. during the years of Soviet power. D. A. Markov. Zhur. nev. i psikh. 67 no. 4 504-507 '67.

WHITE RUSSIA—PEAT SOILS

Bel'skii, B. B. [Mineral fertilizers in peat bogs; research on peat bog soils] Mineral'nye udobreniya na torfianokakh; issledovaniya na torfiano-bolotnykh pochvakh. Minsk, Urozhai, 1966. 130 p. (DNAL)

WHITE RUSSIA—PETROLEUM INDUSTRY

Welcome, White Russian petroleum! V. Pleshchenko. Neftianik 10 no. 2 1-3 F '66.

WHITE RUSSIA—POTATOES

[Advance practices in potato growing] Peredovoi opyt vyrashchivaniya kartofelya. Minsk, Urozhai, 1965. 102 p. (Posobie dlya shkol peredovogo opyta) (DNAL)

Depth of the fall tillage in sandy-loam soils and the yield of potato tubers. H. D. Bialov. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 39-42 '67.

WHITE RUSSIA—POTATOES—FERTILIZERS AND MANURES

Fertilizers for potatoes in sandy-loam soils of White Russia. A. P. Kiril'chik, I. P. Markova. Khim. v sel'. khoz. 5 no. 4 10-11 Ap '67.

WHITE RUSSIA—PROSPECTING

Welcome, White Russian petroleum! V. Pleshchenko. Neftianik 10 no. 2 1-3 F '66.

WHITE RUSSIA—RURAL CONDITIONS

Changes in the rural areas. N. Kuz'menkov. Kommunist 44 no. 8 82-83 My '67.

WHITE RUSSIA—SERVICE INDUSTRIES—MANAGEMENT

Take into consideration the characteristics of communal services. A. Kokhan. Plan. khoz. 44 no. 5 57-61 My '67.

WHITE RUSSIA—SOILS—COBALT CONTENT

CO₂ and O₂ content of swampy soils in White Russia. N. I. Afanas'ev. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 11-15 '67.

WHITE RUSSIA—SOILS—OXYGEN CONTENT

CO₂ and O₂ content of swampy soils in White Russia. N. I. Afanas'ev. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 11-15 '67.

WHITE RUSSIA—STRAWBERRIES—DISEASES AND PESTS

White blight of strawberries in White Russia. A. K. Hryshchenovich. Vest. AN BSSR, Ser. sel'hozp. nav. no. 1 75-77 '67.

2114

WOODPULP INDUSTRY

(see also subdivision under Ukraine)

Cooking of sulfite pulp with liquor containing an ammonium base. M. G. Elashberg. *Bum.prom.* no. 2,23-24 F '67.

Effect of organic acids on the cooking of sulfite pulp. V. S. Gromov, S. I. Andruskiy. *Bum.prom.* no. 2 16-18 F '67.

Mechanism of the inhibition of sulfite pulping. N. A. Rozenberger. *Bum.prom.* no. 2 3-6 F '67.

Use of hardwood increases. V. O. Volkov. *Bum.prom.* no. 2,28-30 F '67.

WOODPULP INDUSTRY—MANAGEMENT

Uchaskina, Z. V., ed. [Organization and planning of production at woodpulp and paper manufacturing enterprises] Organizatsiya i planirovaniye proizvodstva na tselulozno-bumazhnykh predpriyatiyakh. Moskva, Lesnaya promyshl., 1967 356 p.

WOOD-USING INDUSTRIES

(see also subdivision under Komi A.S.S.R., Ukraine)

Plenum of the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry. *Der.prom.* 10 no. 1,21 Ap '67.

Plenum of the Central Administration of the Scientific Technological Society. S. G. Gorichenkov. *Gidrol. i lesokhim.prom.* 20 no. 3 5 '67.

WOOD-USING INDUSTRIES—SAFETY MEASURES

Recommendations for safety measures during the drying of yeast and lignin. I. U. A. Fuka. *Gidrol. i lesokhim.prom.* 20 no. 3 15-16 '67.

WOODEN BEARINGS

Testing the wear of bearings made from compressed wood. M. D. Karpov. *Tekst.prom.* 27 no. 2,30-32 F '67.

WOODWORK

Bokshchann, I. R., ed. [Manual for a woodprocessing foreman] Spravochnik мастера деревообработки. Moskva, Lesnaya promyshl., 1967. 238 p.

WOODWORKERS see subdivision under Archangol

WOODWORKING INDUSTRIES see subdivision under Estonia

WOODWORKING INDUSTRIES—STUDY AND TEACHING

[Increasing the effectiveness of lessons for propagating workers in the woodworking professions] Povysheniye effektivnosti urokov pri podgotovke rabochikh derevoobrabatyvalushchikh professii. Moskva, Vysshaya shkola, 1963. 64 p. (3. Vsesoyuznaya pedagogicheskaya shkola rabochikh uchebnykh zavedeni professional'no-tekhnicheskogo obrazovaniya. Sektsiya rabotnikov derevoobrabatyvalushchikh professii) [MICROFILM]

WOODWORKING MACHINERY

Attachment for planing without preliminary layout. V. F. Chirkov. *Shkola i prom.* 11 no. 3,56-61 M '67.

Cutting strength of a disk-type chopping machine. G. I. Zvolniakikh. *Der.prom.* 16 no. 4,12-14 Ap '67.

Machine for automatic sorting of boards. G. A. Zhodzhishskiy. A. I. Bukhtab. *Mekhl. avtom.prom.* 21 no. 4,46-48 '67.

Two machines designed by our efficiency promoters. V. S. Karpovich. *Der.prom.* 16 no. 4,20 Ap '67.

WOODY PLANTS see subdivision under Tashkent region

WOOL

Convective drying of woolen cloth. L. I. Dobrosel'dov, V. M. Korolev, V. G. Kolotilov. *Tekst.prom.* 27 no. 2: 71-76 F '67.

WOOL INDUSTRY—MANAGEMENT see subdivision under Saraya Kupavna (Moscow Province);

WOOLEN AND WORSTED MANUFACTURE

Improvement of the quality of all-wool pile fabrics. Z. E. Kivinskaya, R. I. Rutman. *Tekst.prom.* 27 no. 1 25-26 Ap '67.

Teasing of coat fabrics. A. P. Korlov and others. *Tekst.prom.* 27 no. 4 64-65 Ap '67.

WOOLEN AND WORSTED MANUFACTURE—AC-COUNTING see subdivision under Pavlovo-Podsk

WOOLEN AND WORSTED SPINNING

New woolen spinning machine. V. I. Efimenko, V. A. Nezhemeldinova, V. I. Zhidkov. *Tekst.prom.* 27 no. 2,21-23 F '67.

WORD GAMES

Korchin, M. A. [Grammatical games] Grammaticheskie igrы. Minsk, Narodnaya osveta, 1964. 78 p. illus. (No. 2)

WORK—PHYSIOLOGICAL ASPECTS

Physiological principles of scientific labor organization. A. L. Lavet. *Sots.trud* 12 no. 5,62-69 My '67.

WORK CLOTHES

New means of individual protection for miners. L. N. Drozdov. *Dzerzh. truda v prom.* 10 no. 4,3-6 Ap '66.

WORKS COUNCILS

Going deep into economics. V. Dal'nichenko. *Sov. profsolyuz* 23 no. 5 21-22 M '67.

The new concerns of the trade union factory committee. S. Zhivotovskiy. *Sov. profsolyuz* 23 no. 11-17 F '67.

WORKS COUNCILS—AUDITING AND INSPECTION

Are such inspections useful? B. Sysuev. *Sov. profsolyuz* 23 no. 5,23 M '67.

WORLD FEDERATION OF TRADE UNIONS—CONGRESSES

In spite of the Chinese representatives' obstruction. G. Sharapov. *Sov. profsolyuz* 23 no. 5 12-43 M '67.

WORLD HISTORY

The new era in the history of the world and its moving forces. E. Zhukov. *Mir. ekon. i mezhdunar. otn.* no. 4 3-13 '67.

WORLD POLITICS

Abolitin, V. I. A., ed. [The policy of states and disarmament. Published in 3 books] Politika gosudarstv i razoruzhenie. Izd. v tsekh kalgakhi. Moskva, Nauka. [Book 1. The U.S.S.R., the U.S.A. and disarmament] SSSR, SSHA i razoruzhenie. 1967. 190 p. [Book 2. Western Europe; militarism and disarmament] Zapadnaya Evropa; militarizm i razoruzhenie. 1968. 153 p.

Current problems of world politics. *Mir. ekon. i mezhdunar. otn.* no. 4 86-84 '67.

In the notebooks of propagandists. *Mezhdunar. zhizn'* 14 no. 5 147-148 '67.

International notes. *Nov.vrem.* 25 no. 10,23 My '67.

International notes. *Nov.vrem.* 25 no. 20,22-23 My '67.

International notes. *Nov.vrem.* 25 no. 22-20-27 My '67.

International notes. *Nov.vrem.* 25 no. 23,22-23 Je '67.

Kulagin, V. M. ["Realism" versus anticommunism] "Realizm" protiv antikomunizma. Moskva, IMO, 1967. 141 p.

Letters to the editor. *Nov.vrem.* 25 no. 19,17 My '67.

Letters to the editor. *Nov.vrem.* 25 no. 20,21 My '67.

Letters to the editor. *Nov.vrem.* 25 no. 22,11 My '67.

Letters to the editor. *Nov.vrem.* 25 no. 23,20 Je '67.

The October Revolution and the general crisis of capitalism. R. Palmer. *Mir. mezhdunar. zhizn'* 11 no. 5 53-59 '67.

People, events, and facts. *Az. i Afr. seg.* 10 no. 5 56-58 My '67.

A program for the struggle of strengthening peace. *Kommunist* 41 no. 8,3-8 My '67.

A study group for lecturers on international events in Moscow. R. G. G. G. G. *Mezhdunar. zhizn'* 14 no. 5 156 '67.

Time is marching on. *M. Vostokskiy. Agitator* no. 1 13-46 Ja '62.

World events. *Nov.vrem.* 25 no. 10,32 My '67.

World events. *Nov.vrem.* 25 no. 20,32 My '67.

World events. *Nov.vrem.* 25 no. 22,32 My '67.

World events. *Nov.vrem.* 25 no. 23 32 Je '67.

The world revolutionary movement and present-day international relations. V. Polstikov. *Mezhdunar. zhizn'* 14 no. 5 99-109 '67.

WORLD WAR, 1939-1945

(see also subdivision under Black Sea region; Bryansk Province; Carpathian Mountain region; Kalinin Province; Kazakhstan, Manchuria; Poland; Tashkent Province; Ukraine; Vitebsk Province)

The great and well-deserved victory. *Komm. Voenn. shil* 48 no. 8,3-7 Ap '67.

Parmenches opened at night. . . N. Shestakov. *Sov. voen.* 10 no. 5 29-33 M '67.

Recollections on the day of our victory. I. S. Konev. *Nov.vrem.* 25 no. 10,3-1 My '67.

The Soviet people in war and peace. Alexander Werth. *Nov.vrem.* 25 no. 10,5-0 My '67.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Crew of courageous men. *Av. i kosm.* no. 4,80-81 Ap '67.

Immortal captain. A. Karpov. *Av. i kosm.* no. 4,03-85 Ap '67.

Maintained airplanes, fought with enemy. L. Shuleiko. *Av. i kosm.* no. 4,33-35 Ap '67.

National valor and response. A. I. Ereminko. *Voen. znan.* 43 no. 2,10-11 F '67.

Under the same banner. V. Andrianov. *Voen. znan.* 43 no. 2,9 F '67.

WORLD WAR, 1939-1945—CAMPAIGNS

Konev, I. S. [The 45th] Sorok platyl. Moskva, Voenizdat, 1966. 278 p. (Voennoye memuary) (CS-II)

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Economic victory of the U.S.S.R. in the Great Patriotic War. S. Klyuev. *Komm. Voenn. shil* 48 no. 8,16-23 Ap '67.

WORLD WAR, 1939-1945—MEDICAL AND SANITARY AFFAIRS

Medical workers, heroes of the Soviet Union. F. V. Satrapinskiy. *Voen.-med. zhur.* no. 4 7-11 Ap '67.

WORLD WAR, 1939-1945—NAVAL OPERATIONS

There was enough strength. . . G. G. Abchenko. *Voen. znan.* 13 no. 3,13 M '67.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Batov, P. I. [In campaigns and battles] V pokhodakh i bitvakh. Td. 2, dop. i perer. Moskva, Voenizdat, 1966. 541 p. (Voennoye memuary) (CU)

Demin, N. S. [War and people, frontline notes of a political worker] Volna i ljudi, frontovye zapiski politrabotnika. Tashkent, "Uzbekistan," 1966. 284 p.

It was like this. . . A. Saparov. *Otklady* 30 no. 6,104-169 Ju '61.

Persistence wins. V. Khlystov, V. Smolov. *Ty i snab.* *Sov. voen. shil* 27 no. 1 16-47 Ap '67.

WORLD WAR, 1939-1945—SOURCES

"Pravda" on the heroism of rear troops. *Ty i snab.* *Sov. voen. shil* 27 no. 3,19 M '67.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

[Friends in battle, a collection of the reminiscences of Soviet and Czechoslovak partisans] Bolova spivdruzhnisi, shli ngy spohadi radlans kykh i chekhoslovatskykh partyzaniv. Kyiv, Derzh. vyd-vo polit. lit-y, 1960. 352 p. (CAOTU)

WORMS, INTESTINAL AND PARASITIC

Helminths from wild Anseriformes of western Kazakhstan. A. P. Maksimova. *Tyudy iust zool. AN Kazakh SSR.* 27 12,1-155 '67.

Polapova, I. N. [Dangerous tenants] Opasnye zhilyay. 2. Izd. Moskva, Meditsina, 1966. 20 p. (Biblioteka shkoly i nika)

WORMS—LARVAE see Larvae—Worms

WOUNDS

Development of granulation tissue following total and local X-ray irradiation. E. V. Dmitriyeva. *Kh. anat., gist. i embi.* 52 no. 1,25-31 Ap '67.

WOUNDS—MICROBIOLOGY

Effect of novolmanin and mycerin combination on microflora of wounds. A. R. Shuynok and others. *Mikrobiol. zhur.* 29 no. 2,153-156 M '67.

Microflora of sluggish healing wounds and the effectiveness of the vacuum-cleaning method. B. M. M. M. M. T. A. Vagina, M. I. Mezheichev. *Khirurgia* 13 no. 4 10-43 Ap '67.

WOUNDS—TREATMENT

Clinical use of some methods to improve healing of clean postoperative wounds. F. Kh. Kutushev and others. *Khirurgia* 43 no. 4 20-24 Ap '67.

Microflora of sluggish healing wounds and the effectiveness of the vacuum-cleaning method. B. M. M. M. T. A. Vagina, M. I. Mezheichev. *Khirurgia* 43 no. 4 10-13 Ap '67.

Some histochemical studies in the treatment of infected wounds with preparations of vegetable antibiotics. G. A. Tagiev. *Azerb. med. zhur.* 44 no. 4,82-85 Ap '67.

WRAPPING MACHINES

Automatic blocking of the feed of products and wrapping materials into wrapping machines. V. I. Lutsyk. *N. I. Koi ol'* 13, M. Hloncharenko. *Khar. prom.* no. 2,9-14 Mr-Apr '67.

X-RAY CRYSTALLOGRAPHY

Crystalline structure of hafnium-beryllium con (preliminary communication). P. I. Kriplakov. *Tylinka, E. M. Savitskiy. Kristallografiya* 6 no. 1,121-124 Ja-F '61.

Crystalline structure of the superconducting c. SrB₂g and BaB₂g. N. N. Zhuravlev, V. R. Mo. *Kristallografiya* 6 no. 1,121-124 Ja-F '61.

Crystalline structures of compounds in the sy Nd - Al, Y - Al, and Cd - Fe (preliminary relation). P. I. Kriplakov, E. I. Gladyshevskiy. *grafiya* 6 no. 1,118 Ja-F '61.

Methodology of X-ray determination of trielin of orthoclases for solving problems of rock g. B. M. Shmakin, G. G. Afonina. *Dokl. AN SSSR* 417-420 M '67.

Shifting of lines contingent upon the finite dh of mosaic blocks. A. V. Kuznetsov, I. U. S. T. *Kristallografiya* 6 no. 1,111-113 Ja-F '61.

X-ray diffraction study of InAs - InP solid sol. Bogorodskiy, A. I. A. Neshel'skiy, V. Z. Ostrov. *stalografiya* 6 no. 1,119-121 Ja-F '61.

X-ray diffraction study of the structure of ligu. mm. I. A. I. Dutchak. *Kristallografiya* 6 no. Ja-F '61.

- X-RAY DIFFRACTION EXAMINATION**
Physicochemical study of some radium compounds. Part 2. X-ray diffraction study of radium nitrate. V. M. Ydovenko, I. U. V. Dubasov. Radiokhimiya 9 no. 2:201-206 '67.
Reversible structural changes in glassy SiO_2 at elevated temperatures. A. I. Sokolov, V. V. Nefedova. Fiz. tverd. tela 9 no. 3:221-225 Mar '67.
Rhombohedral phases of molybdenum and vanadium carbides. S. I. Allamovskii and others. Zhur. neorg. khim. 12 no. 3:579-582 Mar '67.
Studying the system Hf^{4+} - Ca^{2+} . V. P. Nefedova and others. Atom. energ. 22 no. 4:243-246 Apr '67.
Use of radioactive sources of characteristic radiation in X-ray diffraction studies. S. I. Ilyubov, V. A. Tshukerman. Dokl. AN SSSR 165 no. 6:1278-1279 Dec '65.
X-ray diffraction examination of defects developing in situ in the case of deep phosphorus diffusion. I. L. Shul'pina, E. K. Korovin. Fiz. tverd. tela 9 no. 4:1000-1011 Apr '67.
X-ray diffraction investigation of the products of crystallization in the systems AlCl_3 - POCl_3 - $\text{Nb}(\text{Ta})\text{Cl}_5$ - POCl_3 . B. A. Vaitovich, A. S. Barabanova, G. N. Novitskaya. Ukr. khim. zhur. 13 no. 1:167-170 '67.
X-ray diffraction study of the local structure of a metal deformed in an ultrasonic field. V. P. Severdenko, V. B. Klubovich, M. V. Kharitonovich. Dokl. AN SSSR 11 no. 3:226-228 Mar '67.
X-ray diffraction study of the products of crystallization in the systems POCl_3 - NbCl_5 - TaCl_5 - SbCl_5 and TiCl_4 - POCl_3 - NbCl_5 - TaCl_5 - SbCl_5 . B. A. Vaitovich, A. S. Barabanova, G. N. Novitskaya. Ukr. khim. zhur. 33 no. 3:271-277 '67.
X-ray study of initial stages of aging in the Al-25% Zn alloy. A. V. Dobromyslov, I. N. Bulnov. Fiz. metal. metalloved. 23 no. 3:181-186 Mar '67.
X-ray study of some polyester urethane rubbers. V. M. Shimanov, S. I. Shkol'nik, S. B. Kozakov. Kaucuk i rez. 26 no. 4:18-22 '67.
X-ray tensorial study of elastic crystal anisotropy in polycrystalline condensed films. M. I. A. Guk and others. Fiz. tverd. tela 9 no. 3:751-756 Mar '67.
- X-RAY SPECTROSCOPY**
Setup for quick-action X-ray spectrum analysis of powder samples. G. A. Ab and others. Geofiz. zap. no. 27:101-107 '66.
Some results of the X-ray spectral investigation of Ce, Pr, and Sm with silicon, germanium, aluminum, beryllium, and magnesium. E. E. Vainshtein and others. Izv. AN SSSR, Neorg. mat. 3 no. 4:644-648 Apr '67.
Some results of X-ray spectral study of chemical bond in titanium oxides of variable composition (TiO_2 - Ti_2O_3). V. I. Chirkov, E. E. Vainshtein. Dokl. AN SSSR, 165 no. 6:1351-1357 Dec '65.
Stabilization of the radiation intensity of spectral tubes for X-ray spectrum analysis. G. A. Ab, G. M. Andrianov, L. B. Orlova. Geofiz. zap. no. 27:108-111 '66.
X-ray spectral examination of some compounds of iron with light elements. F. A. Zheravskii. Dop. AN URSR Ser. B 29 no. 3:210-213 Mar '67.
- X RAYS**
Studying X-ray K-spectra of titanium in nitride and carbide. V. I. Chirkov, S. M. Blokhin, F. E. Vainshtein. Fiz. tverd. tela 9 no. 1:116-121 Apr '67.
Theory of Raman scattering of X-rays. M. M. Atkinson, E. A. Arinshtein. Izv. vuz. ucheb. zav. fiz. 10 no. 2, 44-47 '67.
- X RAYS—EFFECT ON PLANTS** see Plants, Effect of X rays on
- X RAYS—EQUIPMENT AND SUPPLIES** see subdivision under Leningrad
- X RAYS—INDUSTRIAL APPLICATIONS**
Introducing X-ray methods for determining ash-content in coals of Kirgizistan mines. A. I. Cherniakov. Ugol' 12 no. 4:67-68 Apr '67.
- X RAYS—PHYSIOLOGICAL EFFECT**
Changes in the basic reactions of energy metabolism of tumorous tissue subjected to the effect of ion electrophoresis and X-ray irradiation. L. V. Iakimenko. Vop. eksp. onk. no. 2:153-165 '66.
Development of granulation tissue following total and local X-ray irradiation. E. V. Dmitrieva. Arkh. onkol. gists. embr. 52 no. 4:25-34 Apr '67.
Effect of combined influence of X-ray irradiation and chrisomallin on medullary hematopoiesis. S. L. Potapov. Med. rad. 12 no. 4:16-19 Apr '67.
Effect of some hypothalamus nuclei on corticosterone content in venous blood of irradiated rat adrenal glands. G. V. Chitovellidze. Soob. AN Gruz. SSR 45 no. 2:507-512 Apr '67.
Effect of X rays on restorative processes in Planaria. A. G. Semenova-Tian-Shanskaya. Arkh. onkol. gists. embr. 52 no. 4:34-38 Apr '67.
Experimental examination of skin reaction to combined effect of X-ray irradiation and chrisomallin. V. N. Lelov. Med. rad. 12 no. 4:11-15 Apr '67.
- Reparative regeneration of the mammary gland following local X-ray irradiation. E. N. Nikiforova. Arkh. anat., gists. embr. 52 no. 4:38-46 Apr '67.
- X-rays** [Late results of the effect of X rays on the higher nervous activity in dogs] Otdeleniye resulyaty vozdetsviya luchej rentgena na vysshuyu nervnyu deyatelnost' sobak [Leningrad] Meditsina, 1967, 146 p.
- X RAYS—SCATTERING**
Effect of dislocations in metals with a hexagonal lattice on X-ray scattering. V. I. Baichenko. Fiz. metal. metalloved. 23 no. 4:597-601 Apr '67.
Structural changes in quartz in α - β transitions. P. V. Kolomoysa, I. V. Telegina. Dokl. AN SSSR 173 no. 5, 1015-1017 Apr '67.
- X RAYS—THERAPEUTIC USE**
Late results of X-ray treatment of malignant reoperational tumors in children: two cases. M. M. Mints. Med. rad. 12 no. 4:30-32 Apr '67.
- XANTHENE**
Oximes of 2- and 4-phenylxanthenes and their Beckmann rearrangement. A. T. Troshchenko, T. P. Lobanova. Zhur. org. khim. 3 no. 3:501-503 Mar '67.
- XENOLITHS**
Two types of xenons in a gneiss xenolith. I. V. Zavalova. Dop. AN URSR no. 1:85-90 '61.
- XENON FLUORIDE**
Use of xenon difluoride for the synthesis of labeled peroxides. I. S. Kuzin and others. Zhur. neorg. khim. 12 no. 4:1088-1095 Apr '67.
- XYLENE**
Coke chemical xylene as a raw material for oxidation. L. P. Zheravskaya, K. A. Chervinskii. Khim. tekhn. no. 4:72-73 '66.
Intensification of the oxidation of p-xylene. A. M. Ivanov, K. A. Chervinskii. Khim. tekhn. no. 4:74-76 '66.
Oxidation of organic compounds. Report No. 53. Oxidative ammonolysis of 2,5-dichloro-p-xylene on the vanadate. N. R. Bilibichianov and others. Izv. AN Kazakh. SSR Sci. Khim. 17 no. 2:86-92 Mar-Apr '67.
- XYLENOL**
Allylation of phenols and phenol ethers. Part 6. Condensation of vicin-xyleneol with cyanamyl chloride. S. G. Mel'nikovskaya. Zhur. org. khim. 3 no. 4:727-731 Apr '67.
- XYLENOL ORANGE**
Complexometric determination of tetravalent plutonium using xylene orange as indicator. A. A. Nemoduk, I. P. Glukhova. Zhur. anal. khim. 22 no. 2:193-195 Apr '67.
Reaction of neodymium with xylene orange and pyrophosphate. Z. A. Sheks, L. I. Shtinskaya. Zhur. neorg. khim. 12 no. 3:650-655 Mar '67.
- XYLOSE**
Kinetics of the decomposition of xylose and furfural in pure aqueous solutions at high temperatures. N. P. Melnikov, L. P. Volkova, V. A. Zheltukhin. Sbor. tr. NIGS 15:102-107 '66.
- YAGNOB VALLEY—NAMES, GEOGRAPHICAL**
General linguistic characteristics of the toponymy and microtoponymy of the Yagnob Valley. A. I. Khamov, Izv. AN Tadzh. SSR Otd. obshchestv. nauk no. 3:83-87 '66.
- YAKUTIA—COKE INDUSTRY—BY-PRODUCTS**
Composition of alcohol-benzene extracts of the K-grade coal from "Koustakhske" deposit (Yakutia). A. I. Kamnaya, G. S. Karatnikov, L. M. Ammosova. Koks i khim. no. 3:6-11 '67.
- YAKUTIA—DRAWING—INSTRUCTION**
Drawing contests in Yakutia. N. S. Nikolaev. Shkola i prof. 11 no. 1:10-41 Jan '67.
- YAKUTIA—EDUCATION**
A school in a northern region. A. Zakhlebnyi. Nar. obr. no. 4:63-67 Apr '67.
- YAKUTIA—STUDENT ACTIVITIES**
Drawing contests in Yakutia. N. S. Nikolaev. Shkola i prof. 11 no. 1:40-41 Jan '67.
- YAKUTSK—ARTERIOSCLEROSIS**
Materials for X-ray planimetric study of atherosclerotic changes in the aorta and coronary arteries in residents of Yakutsk. V. P. Alekseev. Arkh. pat. no. 4:63-66 '67.
- YALTA—EDUCATION, SECONDARY**
In skilled hands. V. Vagin. Nar. obr. no. 4:76-78 Apr '67.
- YANA-INDIGIRKA LOWLAND—GEOLOGY, STRATIGRAPHIC**
New data on Lower Quaternary sediments in the western margin of Yana-Indigirka Lowland. I. E. Timashev. Dokl. AN SSSR 165 no. 6:1391-1391 Dec '65.
- YANGI-YUL' (TASHKENT PROVINCE)—SHOE INDUSTRY**
Plans increase production and expand assortment. K. Ishankhodzhiev, F. Togri. Naib. khoz. izh. 1 no. 1:68 Jan '61.
- YARN**
Some theoretical foundations for the production processes of high-bulk twisted yarn. T. S. P. Livinskii. Tekh. prom. 8 no. 2:6-10 Mar-Apr '67.
Use of fluffy high-bulk yarn for the sewing of synthetic fiber knit outerwear. N. N. Vashchinskaya, L. S. P. Livinskii. Tekh. prom. 8 no. 2:37-39 Mar-Apr '67.
- YARN—TESTING**
Effect of light and weather on the strength and length of yarn. K. D. Demidenko, L. G. Leites. Tekh. prom. 27 no. 2:63-66 Apr '67.
- YARN—TRANSPORTATION**
Mechanizing the transportation of yarn to the textile plant. R. A. Aigal, P. G. Bobalin, A. M. Grumman. Tekh. prom. 27 no. 1:9-10 Apr '67.
- YAROSLAVL—CITY PLANNING**
Festive decoration of Yaroslavl. G. Kuzlov. Voprosy 31 no. 4:16-17 May '67.
- YAROSLAVL—CLOTHING INDUSTRY—AUDITING AND INSPECTION**
There are fewer complaints. M. Tchanikova. Sov. profsoyuz 23 no. 5:31-32 Mar '67.
- YAROSLAVL—EVENING AND CONTINUATION SCHOOLS**
A new contingent means new work. N. R. Mekhlikharova. Vech. sred. shkola 10 no. 2:11-13 Mar-Apr '67.
- YAROSLAVL—MEAT INDUSTRY—EQUIPMENT AND SUPPLIES**
Operation of the FMB-1 menhane-type apparatus. Z. Sh. Aratkh, M. T. Morozova. Khim. tekhn. 11 no. 1:38-40 Apr '67.
- YAROSLAVL—PAINT INDUSTRY—SAFETY MEASURES**
Inspection results at paint and varnish plants. P. D. Furukin. Sbor. tr. L. V. 10 no. 10:15-16 Oct '66.
- YAROSLAVL—SERVICE INDUSTRIES—AUDITING AND INSPECTION**
One needs persistence. I. U. Polevol. Sov. profsoyuz 23 no. 5:30 Mar '67.
- YAROSLAVL—TEXTILE WORKERS**
One needs persistence. I. U. Polevol. Sov. profsoyuz 23 no. 5:30 Mar '67.
- YAROSLAVL PROVINCE—MATERIALS MANAGEMENT**
General concern. M. Borodina. Mat. tekhn. shkol. 2 no. 4:5-12 Apr '67.
- YASNOGORSK (TULA PROVINCE)—TRACTORS—MAINTENANCE AND REPAIR**
"Here, let us have diesel engines!" A. Podolskii. Sov. profsoyuz 23 no. 7:25-26 Apr '67.
- YEAST**
All-Union seminar of the workers of the alcohol and yeast industry. K. D. Khomenko, V. V. Kovalchuk. Germ. i spirt. prom. 33 no. 3:14-45 '67.
Dry sillage bacterial yeast. P. I. Sokolov and others. Vest. sel'khoz. nauki (Kazakh) 10 no. 3:93-98 Mar '67.
Economic effectiveness of new trends in the development of the technology of hydrolysis yeast production. Report No. 3. A. I. Korolev, L. I. Egorova. Sbor. tr. NIGS 15:199-210 '66.
Hydrolysis of seryl pyrophosphates by inorganic pyrophosphatase of yeast. S. M. Avayeva, S. N. Kurova-Murza, M. M. Botvinik. Biokhimiya 32 no. 2:205-209 Mar-Apr '67.
Improvement in the work at the yeast plant. V. P. Rignov, G. I. Ilesokhin. prom. 20 no. 3:27-28 '67.
Improving the fermentation of wood hydrolysates with the use of Schizosaccharomyces. M. I. Kaluzhnyi, V. I. Ustinova, G. I. Petrukhin. Gidroliz. i lesokhim. prom. 20 no. 3:10-12 '67.
Use of processing yeast sediments in primary production wineries. V. A. Vukhman, A. A. Vukhman. Khim. prom. no. 2:16-17 Mar-Apr '67.
Primary structure of valine transport RNA of baker's yeast, nucleotide composition and oligonucleotides of ribonuclease hydrolysates. T. V. Venkster and others. Dokl. AN SSSR 173 no. 2:450-462 Mar '67.
Purification of the neutralized products for yeast cultivation by steam blowing in a continuous column. A. S. Valner, N. S. Kuptenova, B. S. Gutkovskii. Sbor. tr. NIGS 15:64-71 '66.
Technological characteristics of wheat straw used as raw material for the hydrolysis yeast industry. L. I. Korol'kov and others. Sbor. tr. NIGS 15:43-52 '66.
Use of manometric method for selecting wine yeast. N. B. Egamberdiev, F. I. I. biokhim. i mikrobiol. 3 no. 2:203-207 Mar-Apr '67.

YEAST—CULTURES AND CULTURE MEDIA
Cultivating the yeast *Candida tropicalis* on the waste materials of the potato starch industry using two different hydrodynamic aeration systems. I. V. Stukhnev, R. P. Vityayev, S. I. Ponomarev, Izv. vuz. uch. zap., no. 2, 66-69 '67.
Partial anaerobic and aerobic metabolism in *Torulopsis caryophylli* yeast. H. N. Karasavich, Dokl. AN SSSR 173 no. 2, 115-116 Mr '67.

Effect of apatite and phosphate media on yeast in alcohol fermentation and growing of feed yeasts. V. A. Ushakov and others, Sbornik, NIIGS 15, 11-81 '66.

Effect of the quality of the substrate on the physiological condition of yeast. L. K. Stakhovskaya, S. V. Popova, Sbornik, NIIGS 15:56-63 '66.

Antimycin and isoglutaminase from *Saccharomyces cerevisiae* Moyer KMY 381. A. Kh. Abdumalikov, V. V. Tremenko, Biokhimiya 32 no. 2, 363-367 Mr-Apr '67.

Growing of feed yeast on sulfur liquor with soluble bases. T. N. Semushina, N. I. Monakhova, Sbornik, NIIGS 15:81-91 '66.

Mechanism of the action of antifungal polyenic antibiotics on alcohol fermentation in yeast. A. N. Klimov, V. N. Ilyinova, Biokhimiya 32 no. 2, 228-233 Mr-Apr '67.

YEAST—DYEING

Recommendations for safety measures during the dyeing of wool and lignin. I. U. Fuka, Gidroliz. i tsementn. prom. 20 no. 3, 15-16 '67.

YEAST—GENETIC RESEARCH

Cytology and genetics at the Symposium on yeast held in Bratislava (Czechoslovakia) in July of 1966. I. A. Zakharov, Genetika 3 no. 3, 187-188 Mr '67.

YEAST AS FEED

Enriching feed yeast with vitamin D₂. V. A. Utenkova and others, Sbornik, NIIGS 15:95-101 '66.

YEGOR'YEVSK REGION (MOSCOW PROVINCE)—PHOSPHORITES

Production of high-quality phosphorite concentrates from the area of Yegor'yevsk deposits using magnetic separation. A. V. Mash'yanova, H. M. Smirnov, I. A. Khomutovskii, Khim. prom. 43 no. 2, 30-32 Mr '67.

YEMEN—DESCRIPTION AND TRAVEL

Approach into the 20th century. D. Vol'skii, Nov vsem. 25 no. 2, 15-17 My '67.

YEMEN—MEDICAL GEOGRAPHY

Materials on medical geography of the Yemen Arab Republic. L. A. Klimov, Dokl. po med. geog. no. 2, 117-111 '65.

YEMEN—NOSIOLOGY

Materials on medical geography of the Yemen Arab Republic. L. A. Klimov, Dokl. po med. geog. no. 2, 117-111 '65.

YEMENI DIPLOMATS see Diplomats, Yemen

YENISEY RANGE—CHLORITES

Chlorite of zinc-lead deposits of Yenisey Range. V. S. Gerasimov, N. I. Ziluzin, K. B. Kopezhinskii, Geol. i razv. no. 1, 26-31 Ja '67.

YENISEY RANGE—GEOLOGY, STRATIGRAPHIC

Upper structural stage of the Cambrian of Yenisey Range. O. A. Votakh, Bul. MOIP, Old. geol. 12 no. 1, 25-26 Ju '67.

YENISEY VALLEY—FERN, FOSSIL

Botanical and stratigraphic of ferns of genus *Gleichenia* in the Yenisey Valley of West Siberian Plain. P. A. Popov, L. L. Aukhadzeva, Uch. zap. Kazan. 124 no. 2, 117-118 '65.

YENISEY VALLEY—FROZEN GROUND

Origin of underground ice layers in the lower Yenisey Valley. L. M. Shmelev, Izv. AN SSSR, Sci. geog. no. 2, 104-115 Mr-Apr '67.

YENISEY VALLEY—RUNOFF

Meteorology for long-range forecasting of Yenisey streamflow in gate of Krasnoyarsk Hydroelectric Power Station and inflow of water in Hydroelectric Power Station Il'enskoye in summer-autumn period. Sh. A. Kharshan, Trudy TSIP no. 140, 90-128 '66.

YEVLEVAN see Erivan

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUNG MEN AS ARTISTS

As works of young artists. Iskusstvo 30 no. 3, 37-40 '67.

The Seventh Young Artists' Exhibition in Moscow. L. Akimova, Iskusstvo 30 no. 3, 32-36 '67.

YOUNG MEN AS POETS

Month of travels, revelations, and discoveries. A. Ikhvanov, H. Kalan, O. Dmitriyev, Mol. komm. no. 3, 122-127 '67.

YOUNG MEN AS SCULPTORS

New works of young artists. Iskusstvo 30 no. 3, 37-40 '67.

YOUNG MEN'S CHRISTIAN ASSOCIATIONS

What is the color of the soil? A. Dobrov, Mol. komm. no. 3, 106-111 '67.

YOUNG PEOPLE'S LIBRARIES see Libraries, Young people's

YOUTH

(see also subdivision under United States)

Developing the spiritual interests of young people during the building of communism. L. M. Romanovskii, Tyt. nauk. kom. no. 1, 130-137 '66.

The "free" generation. P. Reshetov, Mol. komm. no. 3, 18-22 '67.

When stepchildren grow up. Mol. komm. no. 4, 96-103 '67.

YOUTH—EMPLOYMENT

(see also subdivision under Unions)

The plant and the school. A. Verzhitskii, Sov. profsoyuz. 23 no. 5, 12-13 Mr '67.

When stepchildren grow up. Mol. komm. no. 4, 96-103 '67.

YTTRIUM ALUMINATES

Concentration quenching of erbium luminescence in yttrium-aluminum garnet. R. V. Bakadze and others, Fiz. tverd. tela 9 no. 3, 939-942 Mr '67.

YTTRIUM OXIDE, EFFECT OF RADIATION ON

Radiation effect on the selectivity of yttrium oxide in the decomposition of isopropyl alcohol. V. I. Spitsyn and others, Dokl. AN SSSR 173 no. 2, 368-391 Mr '67.

YUG VALLEY—PLANT COMMUNITIES

Effect of ecological conditions on the distribution of meadow communities in the floodplain of the lower reaches of the Yug River and on their food value. G. I. Kozlova, Uch. zap. IGU no. 2, 368-391 Mr '67.

YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. lit. po Yug. no. 4 '67.

YUGOSLAVIA—DESCRIPTION AND TRAVEL

A trip to Yugoslavia. V. P. Gusev, Sov. cin. no. 2, 167-170 Mr-Apr '67.

YUGOSLAVIA—EDUCATION, SECONDARY

Inculcation of work habits and vocational guidance in the schools of socialist Yugoslavia. K. A. Ivanovich, Sov. pedagog. 31 no. 1, 43-44 Ap '67.

YUGOSLAVIA—VOCATIONAL GUIDANCE

Inculcation of work habits and vocational guidance in the schools of socialist Yugoslavia. K. A. Ivanovich, Sov. pedagog. 31 no. 4, 133-142 Ap '67.

YUGYDVUKTYL VALLEY—ROCKS, IGNEOUS

Outcrop of igneous rocks in boundaries of Timalz uplift. V. S. Rudin, B. V. Barov, Uch. zap. Kazan. 124 no. 10, 60-71 '65.

ZAGANSKIY RANGE—GEOLOGY, STRUCTURAL

Archeogen overthrust in northern part of Zaganskiy Range (western Transbaikalia). V. G. Gladkov and others, Geotektonika no. 2, 60-94 Mr-Apr '67.

ZAILIYSKIY ALATAU see Trans-In Alatau

ZAKATOV, PETR SERGEEVICH, 1907-

Sixtieth birthday of Professor P. S. Zakatov. Geod. i kart. no. 1, 75-76 Mr '67.

ZALKALNS, TEODORS, 1876-

Baumans, K., Teodors Zalkans, Riga, Liesma, 1966, 217 p. illus. [In Latvian]

ZAL'TSMAN, LEV MKHAILOVICH, 1897-

L. M. Zaltzman on his 70th birthday. Vost. Mosk. un. Ser. 7, Eksp. 22 no. 2, 78-79 Mr-Apr '67.

ZAPADNO-TEBUK OIL FIELD—PETROLEUM PRODUCTION

Characteristics of built-up curves and comparison of results of their treatment by various methods as applied to wells in Zapadno-Tebuk field. S. S. Blokh, Neft. khoz. 45 no. 1, 47-52 Ap '67.

ZAPOROZH'YE—HISTORY

Annals of our native town. N. Klimentenko, Voenn. znani. 13 no. 2, 36 F '67.

ZAPOROZH'YE—OPEN-HEARTH PROCESS

Research at the Zaporozhstal' plant laboratory. G. F. Chub, Stal. 20 no. 5, 426-427 My '60.

ZAPOROZH'YE—ROLLING MILLS—EQUIPMENT AND SUPPLIES

Progressive technology of making cold-rolled wide strip of KUBNLOT steel at the "Zaporozhstal'" plant. A. P. Chekmarev and others, Nauch. trudy. Dnepr. inst. cher. met. 21, 38-52 '65.

ZEMSTVO

Efforts of the Bolsheviks to ensure the support of the peasantry during the elections to volost' zemstvos, August-October 1917. V. V. Gritshchikov, Vop. ist. KPSS 11 no. 5, 30-40 My '67.

ZENITH TELESCOPE see Telescope, Zenith

ZEOLITES

(see also subdivision under Azerbaijan)

Condensation of toluene and methanol on synthetic zeolites with ion-exchange cation of alkaline earth metals. P. M. Itskh and others, Dop. AN URSR Ser. II 29 no. 1, 81-81 Ja '67.

Device for studying the sorption of liquids on crystalline zeolites. G. G. Aleksandrov, O. G. Ivanov, A. S. Ponomarev, Zhur. fiz. khim. 41 no. 4, 924-925 Ap '67.

Drying liquid propane by synthetic zeolites on pilot plant units. V. I. Iuzefovich and others, Khim. prom. 13 no. 1, 23-24 Ap '67.

Mechanism of radiation-catalytic processes occurring on synthetic zeolites studied by the electron paramagnetic resonance method. I. U. V. Belslav, A. G. Kotov, S. I. A. Pshchetskii, Khim. vuz. encikl. 1 no. 1, 65-70 Ja '67.

Reactions of hot atoms of sulfur 35 in CS₂ - CCl₄ mixtures adsorbed on zeolites. A. P. Shvachkin, Radiokhimiya 9 no. 2, 271-275 '67.

Recovering benzene from hydrocarbon mixtures with synthetic zeolites. L. F. Fominykh and others, Khim. i tekhn. topl. i masl. 12 no. 1, 8-10 Ap '67.

Study of the adsorption of acetaldehyde by zeolite, cation-exchanged and deionized zeolites by means of infrared spectroscopy. K. I. Gerasimov, A. V. Klimov, V. I. Lygin, Zhur. fiz. khim. 41 no. 4, 901-907 Ap '67.

ZERAVSHAN RANGE—PORPHYRY ANALYSIS

Petrochemical characteristics of quartz porphyries of Karatube Mountains. G. K. Iashchenko, Nauch. trudy TashGU no. 273, 72-76 '66.

ZERAVSHAN VALLEY—BARBEL (FISH)

Materials on biology of Barbus capito conocephalus Kessler in reservoirs of Zeravshan basin. G. Kamilov, Nauch. trudy TashGU no. 291, 127-131 '66.

ZERAVSHAN VALLEY—COTTON GROWING

Spring in the Zeravshan Valley. Sov. profsoyuz. 23 no. 5, 9-10 Mr '67.

ZERAVSHAN VALLEY—REVOLUTION, 1917-1921

Struggle for the Soviet regime in the upper reaches of the Zeravshan Valley, fall 1918 to spring 1919. R. Abukhlov, Izv. AN Tadzh. SSR, Old. obshchestv. nauk no. 1, 40-48 '66.

ZETA FUNCTIONS see Functions, Zeta

ZHDANOV—IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Experimental testing of the 1150 slabbing mill of the Il'ich Metallurgical Plant in Zhdanov. P. I. A. Skelchko and others, Nauch. trudy Dnepr. inst. cher. met. 21, 307-395 '65.

ZHEREBTSOV, MKHAIL IVANOVICH

On M. I. Zherbitsov's 60th birthday. Nar. khoz. Uzb. 3 no. 1, 81 Ja '61.

ZHITOMIR—DISTILLERIES

Zhitomir Liqueur and Volna Plant. I. A. Iuzgatis, N. M. Litvinenko, Perm. i spht. prom. 33 no. 3, 7-8 '67.

ZHITOMIR PROVINCE—ANTIQUITIES

The Goryadsk-Volynian version of late-Tripolye culture. M. M. Shamshilov, Arkheologiya 20, 15-37 '66.

ZHUKOVSKIY (MOSCOW PROVINCE)—BOOKSELLERS AND BOOKSELLING

Give way to used books. N. Sharenkov, Knizh. torg. 18 no. 1, 18 Ap '67.

ZHURBITSKIY, ZENON IOSIFOVICH, 1897-

Z. I. Zhurbitskiy's 70th birthday. Agrokhlm. no. 5, 146-159 Ja '67.

ZINC—PHYSIOLOGICAL EFFECT

Physiological role of zinc in plants. M. I. A. Shkol'nik, T. A. Paribok, V. N. Davydova. Agrokhimika no. 5, 134-147. M., 1967.

ZINC-ALUMINUM ALLOYS see Aluminum-zinc alloys

ZINC-ALUMINUM-MAGNESIUM ALLOYS see Aluminum-zinc-magnesium alloys

ZINC ANTIMONIDE CRYSTALS—ELECTRIC PROPERTIES

Electric properties of alloyed single crystals of the ZnSb compound. N. I. Kostur, V. I. Psarev. Izv. vys. ucheb. zav., fiz. 10 no. 2, 39-43. '67.

Electric properties of alloyed single crystals of the Zn₃Sb₂ compound. V. I. Psarev, N. I. Kostur. Izv. vys. ucheb. zav., fiz. 10 no. 2, 31-38. '67.

ZINC COMPOUNDS

Instability constants of zinc complexes with some dimeric captafene-sulfonic acids. A. T. Pilipenko, O. P. Rukhshina. Ukr. Khim. Zhur. 43 no. 4, 401-408. '67.

ZINC CRYSTALS

Multiplication of dislocations in single crystals of zinc under the effect of ultrasonic waves. N. A. Tjepunina, E. V. Shkoni. Fiz. met. i metalloved. 23 no. 4, 744-777. Ap. '67.

Studying the mobility of dislocations in single crystals of zinc. I. F. Lavrent'ev, O. P. Salita. Fiz. met. i metalloved. 23 no. 3, 548-553. M., '67.

ZINC-GERMANIUM ALLOYS see Germanium-zinc alloys

ZINC INDUSTRY see subdivision under Chelyabinsk

ZINC-LIQUID ALUMINUM ALLOYS see Liquid aluminum-zinc alloys

ZINC-LIQUID BISMUTH ALLOYS see Liquid bismuth-zinc alloys

ZINC NITRATE

Reaction of precipitation of zinc hydroxynitrates by ammonia. A. K. Kurakosyan, V. R. Levina. Zhur. neorg. khim. 12 no. 4, 893-899. Ap. '67.

ZINC ORES see subdivision under Akashan Valley, Ural Mountains

ZINC ORGANIC COMPOUNDS see Organozinc compounds

ZINC OXIDE

Effect of light on the electric and catalytic properties of zinc oxide. L. V. Lashenko, I. A. B. Gorkhovatskii, I. A. I. ekspon. Khim. 3 no. 2, 218-225. M.-Ap. '67.

Study of the performance of the lining of furnaces for the production of zinc oxide. L. B. Romanovskii, L. N. Koren, V. B. El'khin. Khim. tekh. no. 4, 110-111. '66.

ZINC PHOSPHATE CRYSTALS

Crystalline structure of hopeite, Zn₃(PO₄)₂·4H₂O. Kh. S. Mamedov, R. Gamidov, N. V. Belov. Kristallografiya no. 1, 114-117. Ja.-I. '61.

ZINC SULFATE—EFFECT ON PLANTS see Plants, Effect of zinc sulfate on

ZINC SULFIDE CRYSTALS

Characteristics of two-photon excitation of the luminescence of ZnS-Cu. T. P. Belikova, I. A. Spiridenkov, Fiz. i tekhn. poluprov. 1 no. 4, 606-608. Ap. '67.

ZINC SULFIDE CRYSTALS—OPTICAL PROPERTIES

Studying the effect on paramagnetic resonance, luminescence, and photoconductivity of zinc sulfide crystals. V. S. Gavrilov, B. V. Novikov, R. I. Shekhnemet'ev, Fiz. i tekhn. poluprov. 1 no. 3, 371-376. M., '67.

ZINC SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Electric and photoelectric properties of p-n junctions with zinc sulfide as a support. A. N. Georgobiani, V. I. Steblin. Fiz. i tekhn. poluprov. 1 no. 3, 329-332. M., '67.

ZINOV'EV, GRIGORII EVSEEVICH, 1883-1936

History of the defeat of the "New opposition" led by Zinov'ev, I. V. Voskresenskii. Vop. ist. KPSS II no. 5, 62-71. M., '67.

ZIRCON

Reaction of zircon with lithium carbonate on heating. I. M. Polezhaev, V. G. Chuklanov. Zhur. prikl. khim. 40 no. 4, 712-716. Ap. '67.

ZIRCONIUM

(see also subdivision under Ukraine)

Determination of hafnium concentration in zirconium. Part 1. A. I. Onosov, A. P. Porovskii. Radiokhimiya 9 no. 2, 269-271. '67.

Determination of hafnium concentration in zirconium. Part 2. A. I. Onosov, A. P. Porovskii. Radiokhimiya 9 no. 2, 271-274. '67.

Extraction of zirconium and hafnium with tributyl phosphate from solutions of nitric and perchloric acid mixtures. S. S. Kozlov and others. Zhur. neorg. khim. 12 no. 4, 1006-1016. Ap. '67.

Mechanism of steel inoculation by zirconium. V. S. Kovalenko, E. L. Zata, L. F. Filina. Izv. vys. ucheb. zav., chem. met. 10 no. 4, 93-99. '67.

ZIRCONIUM—ANALYSIS

Scheme of analysis of some zirconium minerals. I. U. N. Kripovich, E. A. Isaeva. Trudy VSEGEI 125, 27-36. '66.

ZIRCONIUM CARBIDES

Mass spectrometric study of vapor composition over TiC-C and ZrC-C-G systems. T. S. Siatostina and others. Izv. AN SSSR, Neorg. mat. 3 no. 4, 727-728. Ap. '67.

ZIRCONIUM COMPOUNDS

Complex formation of zirconium with some polyamino polycarboxylic acids. L. I. Ikhonova. Zhur. neorg. khim. 12 no. 4, 939-943. Ap. '67.

Interdiffusion in the system zirconium-15 at 700°C. I. V. Pavlov. Atom. energ. 22 no. 1, 290-292. Ap. '67.

Study of the complex formation of zirconium with thenoyl trifluoroacetone by the distribution method. N. V. Mel'chakova, G. P. Ozerova, V. M. Pestukova. Zhur. neorg. khim. 12 no. 1, 1096-1097. Ap. '67.

ZIRCONIUM-NIOBIUM-HAFNIUM ALLOYS—METALLORAPHY

Solid solutions in the system Zr-Nb-Hf. T. F. Feil. N. M. Popova, R. V. Spolozhina. Izv. AN SSSR, Met. no. 2, 201-205. M.-Ap. '67.

ZIRCONIUM SULFATE

Reaction of zirconium and hafnium sulfates with potassium ferrioxalate in aqueous solutions. N. F. Savenko, I. A. Shoka. Ukr. Khim. Zhur. 43 no. 3, 235-240. '67.

ZIRCONIUM-TITANIUM-CHROMIUM ALLOYS see Titanium-zirconium-chromium alloys

ZIV, DAVID MOISEVICH, 1915-1967

David Moiseevich Ziv. Radiokhimiya 9 no. 2, 281-282. '67.

ZONE MELTING

Calculating optimum conditions of zone melting. Sh. I. Petzulaev, E. I. Kononov. Izv. AN SSSR, Met. no. 2, 79-83. M.-Ap. '67.

Concentration of antimony in bismuth by zone melting. I. C. Kononov, Sh. I. Petzulaev, V. P. Emel'yanov. Radiokhimiya 9 no. 2, 215-221. '67.

Production and purity control of single crystals of tungsten and molybdenum. V. D. Kapustin and others. Izv. AN SSSR, Met. no. 2, 71-78. M.-Ap. '67.

Studying the effect of the oxidizing potential of a gaseous atmosphere on degree of desulfuration during electric slag remelting. O. D. Moldavskii, V. M. Shpitser, A. I. Polakov. Izv. AN SSSR, Met. no. 2, 35-42. M.-Ap. '67.

ZOOBENTHOS see subdivision under Cherepovets Reservoir

ZOOPLANKTON see subdivision under Black Sea, Cherepovets Reservoir; Nile River, Orto-Tokoy Reservoir, Rybinsk Reservoir

ZYBZA OIL FIELD—PETROLEUM PRODUCTION

Oil recovery mechanism of Zybza field. I. G. Avanesov, B. E. Kislenco. Nefteprom. delo no. 4, 3-5. '67.

Monthly Index *of* Russian Accessions



Volume 20, No. 6

September 1967

THE LIBRARY OF CONGRESS
WASHINGTON : 1967

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1951 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. *Biul. eksp. biol. i med.* 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves () around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, \$14.00 a year domestic, \$5.00 a year additional for foreign mailing.

L. C. card, 48-46562

* Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

| | | | |
|---------|--|--------|--|
| AAP | Auburn University, Auburn, Ala. | CaOOU | University of Ottawa, Ottawa, Canada |
| AMAU | Air University Library, Maxwell Air Force Base, Montgomery, Ala. | CaOTM | Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada |
| AU | University of Alabama, University | CaOTR | Royal Canadian Institute, Toronto, Canada. (Collection included with CaOTU) |
| AkU | University of Alaska Library, College | CaOTRM | Royal Ontario Museum, Zoology and Paleontology Library, Toronto, Canada |
| AzTeS | Arizona State College, Tempe | CaOTU | University of Toronto, Toronto, Canada |
| AzU | University of Arizona, Tucson | CaOWA | Assumption University Library, Windsor, Canada |
| C | California State Library, Sacramento | CaOWtU | University of Waterloo Library, Waterloo, Canada |
| CBPac | Pacific School of Religion, Berkeley | CaQMAI | Arctic Institute of North America, Montreal, Canada |
| CCC | Honnold Library, Claremont, Calif. | CaQMBM | Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal, Canada |
| CFS | Fresno State College, Fresno, Calif. | CaQMM | McGill University, Montreal, Canada |
| CL | Los Angeles Public Library | CaQMP | Pulp and Paper Research Institute of Canada, Montreal, Canada |
| CLCM | Los Angeles County Museum Library, Los Angeles | CaQMU | La Bibliothèque de l'Université de Montréal, Montreal, Canada |
| CLL | Los Angeles County Law Library, Los Angeles | CaSSU | University of Saskatchewan, Saskatoon, Canada |
| CLM | Los Angeles County Medical Association, Los Angeles | CoBBS | U. S. National Bureau of Standards, Boulder Laboratories, Colorado |
| CLSU | University of Southern California, Los Angeles | CoCA | U. S. Air Force Academy, Colorado Springs |
| CLSU-H | — Hancock Library of Biology | CoD | Denver Public Library |
| CLU | University of California at Los Angeles | CoDM | Medical Society of the City and County of Denver |
| CMthL | University of California, Lick Observatory, Mount Hamilton | CoFS | Colorado State University, Fort Collins |
| CPT | California Institute of Technology, Pasadena | CoU | University of Colorado, Boulder |
| CSf | San Francisco Public Library | CtHT | Trinity College, Hartford, Conn. |
| CSfA | California Academy of Sciences, San Francisco | CtNlc | Connecticut College, New London, Conn. |
| CSfU | University of San Francisco, San Francisco | CtU | University of Connecticut, Storrs |
| CSmH | Henry E. Huntington Library, San Marino, Calif. | CtW | Wesleyan University, Middletown, Conn. |
| CSt | Stanford University Libraries, Stanford, Calif. | CtY | Yale University, New Haven |
| CSt-H | — The Hoover Institution on War, Revolution, and Peace | CtY-L | — Law Library |
| CSt-L | — Lane Medical Library | CtY-M | — Medical School Library |
| CStbS | University of California, Santa Barbara Library, Goleta | DAIA | American Institute of Architects Library, Washington, D. C. |
| CStmoR | Rand Corporation, Santa Monica, Calif. | DAL | U. S. Army Library, Pentagon Building |
| CU | University of California, Berkeley | DAU | American University Library, Washington, D. C. |
| CU-A | — University of California, Davis | DBC | U. S. Bureau of the Census Library |
| CU-B | — Bancroft Library, Berkeley | DBS | U. S. National Bureau of Standards Library |
| CU-E | — East Asiatic Library, Berkeley | DC | U. S. Department of Commerce Library |
| CU-L | — Law Library, Berkeley | DCU | Catholic University of America Library, Washington, D. C. |
| CU-M | — Medical Center, San Francisco | DDC | Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C. |
| CU-Riv | — College of Arts, Letters and Science, Riverside | DDO | Dumbarton Oaks Research Library of Harvard |
| CU-S | — Scripps Institution of Oceanography, La Jolla | DFR | |
| CaAEU | University of Alberta, Edmonton, Canada | DGC | G |
| CaBVA | Vancouver Public Library, Vancouver, Canada | DGW | G |
| CaBVAU | University of British Columbia, Vancouver, Canada | DHEW | I |
| CaBViPA | Provincial Archives, Victoria, Canada | DHHF | |
| CaMWM | Medical Library of the University of Manitoba, Winnipeg, Canada | DI | |
| CaNBFU | University of New Brunswick, Fredericton, Canada | DI-GS | |
| CaNSHD | Dalhousie University, Halifax, Canada | DM | |
| CaOKQ | Queen's University, Kingston, Canada | DN | |
| CaOL | London Public Library, London, Canada | DN-HO | — Naval Oceanographic Office Library |
| CaOLU | University of Western Ontario, London, Canada | DN-Ob | — Naval Observatory Library |
| CaOOA | Public Archives Library, Ottawa, Canada | DN-RI | Naval Research Laboratory Library, Anacostia |
| CaOOAg | Department of Agriculture, Main Library, Ottawa, Canada | | |
| CaOOCC | Carleton College, Ottawa, Canada | | |
| CaOOF | Department of Finance Library, Ottawa, Canada | | |
| CaOOG | Geological Survey of Canada, Ottawa, Canada | | |
| CaOGB | Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada | | |
| CaOOH | Laboratory of Hygiene, Ottawa, Canada | | |
| CaOOM | Bureau of Mines Library, Ottawa, Canada | | |
| CaOON | National Research Council, Ottawa, Canada | | |
| CaOONDR | Library, Directorate of Scientific Information Service, Defence Research Board, Ottawa, Canada | | |
| CaOONM | National Museum, Ottawa, Canada | | |
| CaOOS | Dominion Bureau of Statistics, Ottawa, Canada | | |

| | | | |
|--------|---|--------|---|
| DP | U. S. Patent Office Library | MCM | Massachusetts Institute of Technology, Cambridge, Mass. |
| DS | U. S. Department of State Library | MH | Harvard University, Cambridge, Mass. |
| DSC | Scottish Rite Supreme Council Library, Washington, D. C. | MH-A | — Arnold Arboretum, Jamaica Plain |
| DSI | Smithsonian Institution Library, Washington, D. C. | MH-AH | — Andover-Harvard Theological Seminary Library |
| DSI-AO | — Astrophysical Laboratory Library | MH-BH | — Blue Hill Meteorological Observatory, Milton, Mass. |
| DSI-E | — Bureau of American Ethnology Library | MH-BL | — Biological Laboratories Library |
| DSI-M | — National Museum Library | MH-C | — Chemistry Library |
| DWB | U. S. Weather Bureau Library | MH-F | — Farlow Reference Library |
| DeU | University of Delaware, Newark | MH-FA | — Fogg Art Museum Library |
| FMU | University of Miami, Coral Gables, Fla. | MH-G | — Gary Herbarium Library |
| FTASU | Florida State University, Tallahassee | MH-GM | — Gordon McKay Library |
| FU | University of Florida, Gainesville | MH-HY | — Harvard-Yenching Institute (Chinese-Japanese Library) |
| GASC | Georgia State College, Atlanta | MH-L | — Law School Library |
| GAT | Georgia Institute of Technology, Atlanta | MH-M | — Schools of Medicine, Public Health and Dental Medicine, Boston |
| GEU | Emory University, Atlanta | MH-Mi | — Mineralogical Library |
| GU | University of Georgia, Athens | MH-O | — Astronomical Observatory, the Phillips Library |
| HU | University of Hawaii, Honolulu | MH-P | — Peabody Museum Library |
| HU-EWC | Center for Cultural and Technical Interchange between East and West | MH-PR | — Physics Research Library |
| I | Illinois State Library, Springfield | MH-SD | — Graduate School of Design Library |
| IArg | Argonne National Laboratory, Argonne, Ill. | MH-Z | — Museum of Comparative Zoology Library |
| IC | Chicago Public Library | MMeT | Tufts University, Medford, Mass. |
| ICA | Art Institute of Chicago, Chicago | MNS | Smith College, Northampton, Mass. |
| ICAC | American College of Surgeons Library, Chicago | MShM | Mount Holyoke College, South Hadley, Mass. |
| ICF | Chicago Natural History Museum, Chicago | MU | University of Massachusetts, Amherst |
| ICJ | John Crerar Library, Chicago | MWalB | Brandeis University, Waltham, Mass. |
| ICN | Newberry Library, Chicago | MWelC | Wellesley College, Wellesley, Mass. |
| ICRL | Center for Research Library, Chicago, Midwest Interlibrary Center | MWHB | Marine Biological Laboratory, Woods Hole, Mass. |
| ICU | University of Chicago, Chicago | MdAN | U. S. Naval Academy, Annapolis |
| ICU-Y | Yerkes Observatory, Williams Bay, Wis. | MdBJ | Johns Hopkins University, Baltimore |
| ICarbs | Southern Illinois University, Carbondale | MdBJ-W | — William H. Welch Medical Library |
| IEN | Northwestern University, Evanston, Ill. | MdBWA | Walters Art Gallery, Baltimore |
| IEN-C | — Joseph Schaffner Library of Commerce, Chicago | MdU | University of Maryland, College Park |
| IEN-M | — Medical School Library, Chicago | MeB | Bowdoin College, Brunswick, Maine |
| IHi | Illinois State Historical Library, Springfield | MeWC | Colby College, Waterville, Maine |
| IU | University of Illinois, Urbana | MID | Detroit Public Library |
| IU-M | — Medical Sciences Library, Chicago | MIDA | Detroit Institute of Arts |
| IaAS | Iowa State University of Science and Technology, Ames | MIDW | Wayne State University, Detroit |
| IaU | State University of Iowa, Iowa City | MIEM | Michigan State University, East Lansing |
| IaU-L | — College of Law Library | MIMidD | Dow Chemical Company, Midland, Mich. |
| IaNTS | National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho | MiU | University of Michigan, Ann Arbor |
| IdU | University of Idaho, Moscow | MiU-C | — William L. Clements Library |
| In | Indiana State Library, Indianapolis | MiU-L | — Law Library |
| InIA | Indiana Academy of Science Library, Indianapolis | MiWar | General Motors Corporation, Research Laboratories Division, Warren, Mich. |
| InLP | Purdue University, Lafayette, Ind. | GMR | Carleton College, Northfield, Minn. |
| InNd | University of Notre Dame, Notre Dame, Ind. | MnNC | Mayo Clinic and Foundation Library, Rochester, Minn. |
| InU | Indiana University, Bloomington | MnRM | James Jerome Hill Reference Library, St. Paul |
| KAS | St. Benedict's College, Atchison, Kan. | MnSJ | University of Minnesota, Minneapolis |
| KMK | Kansas State University, Manhattan | MnU | — Department of Agriculture Library, St. Paul |
| KU | University of Kansas, Lawrence | MnU-A | — Bio-Medical Library |
| KU-L | — School of Law Library | MnU-B | — Law Library |
| KU-M | — Medical Center Library, Kansas City | MnU-L | Central College, Fayette, Mo. |
| KyU | University of Kentucky, Lexington | MoFC | Linda Hall Library, Kansas City |
| LNHT | Howard-Tilton Memorial Library of Tulane University, New Orleans, La. | MoKL | University of Missouri School of Mines and Metallurgy, Rolla |
| LU | Louisiana State University, Baton Rouge | MoRM | St. Louis Public Library |
| MA | Amherst College, Amherst, Mass. | MoS | Missouri Botanical Garden, St. Louis |
| MB | Boston Public Library | MoSB | St. Louis University, St. Louis |
| MBA | American Academy of the Arts and Sciences, Boston | MoSU | Washington University, St. Louis |
| MBAU | Boston Athenaeum, Boston | MoSW | — Medical School Library |
| MBCo | Countway Library of Medicine (Harvard-Boston Medical Libraries) | MoSW-M | University of Missouri, Columbia |
| MBM | Boston Medical Library, Boston | MoU | Mississippi State University, State College |
| MBN | Boston Society of Natural History, Boston | MsSM | University of Mississippi, Oxford |
| MBU | Boston University | MsU | Montana State College, Bozeman |
| MBdAF | U. S. Air Force Cambridge Research Center, Bedford, Mass. | MtBC | Montana State University, Missoula |
| | | MtU | New York State Library, Albany |
| | | N | Wells College, Aurora, New York |
| | | NAurW | Brooklyn Public Library |
| | | NB | Brooklyn Museum Libraries, Brooklyn |
| | | NBB | Brooklyn College, Brooklyn |
| | | NBC | |

| | | | |
|---------|---|---------|--|
| NBG | Brooklyn Botanic Garden, Brooklyn | NjN | Newark Public Library, Newark, N. J. |
| NBM | Academy of Medicine of Brooklyn Library, Brooklyn | NjP | Princeton University, Princeton, N. J. |
| NBSU-M | State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn | NjPT | Princeton Theological Seminary, Princeton, N. J. |
| NBronSL | Sarah Lawrence College, Bronxville, N. Y. | NJR | Rutgers University, New Brunswick, N. J. |
| NBuB | Buffalo Society of Natural Sciences, Buffalo | NmUpU | New Mexico State University of Agriculture, Engineering and Science, University Park |
| NBuU | University of Buffalo, Buffalo | NvU | University of Nevada, Reno |
| NCH | Hamilton College, Clinton, N. Y. | OAKU | Ohio State Library, Columbus |
| NCornC | Corning Glass Works Library, Corning, N. Y. | OCH | University of Akron, Akron, Ohio |
| NCsC | Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y. | OCLloyd | Hebrew Union College, Cincinnati |
| NIC | Cornell University, Ithaca, N. Y. | OCU | Lloyd Library and Museum, Cincinnati |
| NIC-A | — State Colleges of Agriculture and Home Economics | OCI | University of Cincinnati, Cincinnati |
| NN | New York Public Library | OCIBHS | Cleveland Public Library |
| NNA | American Geographical Society, New York | OCICS | Benedictine High School, Cleveland |
| NNBG | New York Botanical Garden, Bronx Park, New York | OCJC | Case Institute of Technology, Cleveland |
| NNC | Columbia University, New York | OCIM | John Carroll University, Cleveland |
| NNC-L | — Law Library | OCIMA | Cleveland Medical Library |
| NNC-M | — Medical Library | OCIW | Cleveland Museum of Art |
| NNC-T | — Teachers College Library | OCob | Western Reserve University, Cleveland |
| NNCC | Chemists' Club, New York | ODW | Battelle Memorial Institute, Columbus |
| NNCoCi | College of the City of New York, New York | OHi | Ohio Wesleyan University, Delaware, Ohio |
| NNCorM | Cornell University Medical College Library, New York | OKentC | Ohio State Historical Society, Columbus |
| NNE | Engineering Societies Library, New York | OO | Kent State University, Kent, Ohio |
| NNF | Fordham University, New York | OOxM | Oberlin College, Oberlin, Ohio |
| NNIS | Library for Intercultural Studies, New York | Oste | Miami University, Oxford, Ohio |
| NNJ | Jewish Theological Seminary of America, New York | OU | Carnegie Library, Steubenville, Ohio |
| NNM | American Museum of Natural History, New York | OUCA | Ohio State University, Columbus |
| NNMM | Metropolitan Museum of Art Library, New York | OkS | Chemical Abstracts, Ohio State University, Columbus |
| NNNAM | New York Academy of Medicine, New York | OkU | Oklahoma State University, Stillwater |
| NNPH-O | Institute of Ophthalmology, Presbyterian Hospital, New York | OrCS | University of Oklahoma, Norman |
| NNR | Russell Sage Foundation, College of the City of New York | OrPR | Oregon State University, Corvallis |
| NNRI | Rockefeller Institute for Medical Research, New York | OrU | Reed College, Portland, Ore. |
| NNU | New York University Libraries, New York | P | University of Oregon, Eugene |
| NNU-H | — University Heights Library | PBL | Pennsylvania State Library, Harrisburg |
| NNU-M | — Bellevue Medical Center Libraries (Includes Neuropsychiatric Library) | PBM | Lehigh University, Bethlehem, Pa. |
| NNU-W | — Washington Square Library | PHC | Bryn Mawr College, Bryn Mawr, Pa. |
| NNUN | United Nations Library, New York | PLF | Haverford College, Haverford, Pa. |
| NPV | Vassar College, Poughkeepsie, N. Y. | PLatS | Franklin and Marshall College, Lancaster, Pa. |
| NRE | Eastman Kodak Company, Rochester, N. Y. | PP | Saint Vincent College and Archabbey Libraries, Latrobe, Pa. |
| NRU | University of Rochester, Rochester, N. Y. | PPAN | Free Library of Philadelphia |
| NSyU | Syracuse University, Syracuse, N. Y. | PPAmP | Academy of Natural Sciences, Philadelphia |
| NUpB | U. S. Brookhaven National Laboratory, Upton, N. Y. | PPBC | American Philosophical Society, Philadelphia |
| NYBT | Boyce Thompson Institute for Plant Research, Yonkers, N. Y. | PPC | Philadelphia Bibliographical Center and Union Library Catalogue |
| NYHi | International Business Machines Corporation, Thomas J. Watson Research Center, Yorktown Heights, New York | PPDrop | College of Physicians of Philadelphia |
| NbU | University of Nebraska, Lincoln | PPF | Dropsie College for Hebrew and Cognate Learning, Philadelphia |
| NcD | Duke University, Durham, N. C. | PPLas | Franklin Institute, Philadelphia |
| NcGW | Woman's College of the University of North Carolina, Greensboro | PPPM | La Salle College, Philadelphia |
| NcRS | North Carolina State College of Agriculture and Engineering, Raleigh | PPT | Philadelphia Museum of Art |
| NcU | University of North Carolina, Chapel Hill | PPUC | Temple University, Philadelphia |
| NcU-H | — Division of Health Affairs. (North Carolina Memorial Hospital) | PPWI | Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia |
| NdU | University of North Dakota, Grand Forks | PPi | Wistar Institute of Anatomy and Biology, Philadelphia |
| Nh | New Hampshire State Library, Concord | PPiCI | Carnegie Library of Pittsburgh, Pittsburgh |
| NhD | Dartmouth College, Hanover, N. H. | PPiU | Carnegie Library of Pittsburgh, Pittsburgh |
| NhU | University of New Hampshire, Durham | PProsC | University of Pennsylvania |
| NjI | Irvington Free Public Library, Irvington, N. J. | PSC | Rosemont |
| NjMuA | Air Reduction Company, inc., Central Research Department Library, Murray Hill | PSt | Swarthmore |
| NjMuB | Bell Telephone Laboratories, Murray Hill, N. J. | PU | Pennsylvania State University, University Park |
| | | PU-BZ | University of Pennsylvania, Botany-Zoology Library |
| | | PU-El | — Moore School of Electrical Engineering Library |
| | | PU-FA | — School of Fine Arts Library |
| | | PU-Math | — Mathematics-Physics Library |
| | | PU-Mu | — University Museum Library |
| | | PU-Penn | — Penniman Library of Education |
| | | PU-Se | — Towne Scientific School Library |
| | | RPB | Brown University, Providence, R. I. |
| | | RU | University of Rhode Island, Kingston |
| | | ScU | University of South Carolina, Columbia |
| | | TCU | University of Chattanooga, Chattanooga, Tenn. |

| | | | |
|-------|---|-------|--|
| TNJ | Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn. | UU | University of Utah, Salt Lake City |
| TOU | Oak Ridge Associated Universities, Oak Ridge, Tenn. | VIBbV | Virginia Polytechnic Institute, Blacksburg |
| TU | University of Tennessee, Knoxville | VIRM | Medical College of Virginia, Richmond |
| TxCM | Agricultural and Mechanical College of Texas, College Station | VtU | University of Virginia, Charlottesville |
| TxDaM | Southern Methodist University, Dallas | ViU-L | — Law Library |
| TxHR | Rice Institute, Houston | ViW | College of William and Mary, Williamsburg |
| TxLT | Texas Technological College, Lubbock | VtMiM | Middlebury College, Middlebury, Vt. |
| TxU | University of Texas, Austin | VtU | University of Vermont and State Agricultural College, Burlington |
| ULA | Utah State University of Agriculture and Applied Science, Logan | WAP | Institute of Paper Chemistry, Appleton |
| UPB | Brigham Young University, Provo, Utah | WHI | State Historical Society of Wisconsin, Madison |
| | | WU | University of Wisconsin, Madison |
| | | WaU | University of Washington, Seattle |
| | | WvU | West Virginia University, Morgantown |
| | | WyU | Wyoming University, Laramie |

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 20, NO. 6

SEPTEMBER 1967

TABLE OF CONTENTS

Part A—Monographic Works

| | Page |
|--|------|
| 1. General..... | 2119 |
| 2. Bibliography..... | 2119 |
| 3. Philosophy & Religion..... | 2119 |
| 4. History..... | 2119 |
| 5. Social Sciences..... | 2120 |
| 6. Political Science..... | 2122 |
| 7. Law..... | 2122 |
| 8. Education..... | 2123 |
| 9. Music, Theater & Motion Pictures..... | 2123 |
| 10. Fine Arts..... | 2123 |
| 11. Language, Literature & Folklore..... | 2123 |
| 12. Geography & Geology..... | 2126 |
| 13. Science..... | 2127 |
| 14. Medicine..... | 2129 |
| 15. Agriculture..... | 2129 |
| 16. Technology..... | 2130 |
| 17. Military & Naval Sciences..... | 2135 |

Part B—Periodicals

| | |
|-------------------------------------|-------|
| 1. General | |
| a. Scholarly journals..... | 2136 |
| b. Popular magazines..... | 2142 |
| 2. Bibliography | |
| a. Bibliography..... | 2143 |
| b. Libraries & library science..... | |
| c. Printing & the book trade..... | 2144 |
| 3. Philosophy & Religion | |
| a. Philosophy..... | 2144 |
| b. Religion..... | 2144 |
| 4. History | |
| a. General..... | 2145 |
| b. Archaeology & antiquities..... | 2146 |
| 5. Social Sciences | |
| a. Commerce..... | 2147 |
| b. Economics..... | 2148 |
| c. Finance..... | 2150 |
| d. Labor..... | 2151 |
| e. Sociology..... | 2151 |
| 6. Political Science..... | 2151 |
| 7. Law..... | 2154 |
| 8. Education | |
| a. General..... | 2156 |
| b. Physical education & games..... | 2158 |

| | Page |
|--|------|
| 9. Music, Theater & Motion Pictures | |
| <i>a.</i> Motion pictures | 2159 |
| <i>b.</i> Music | 2159 |
| <i>c.</i> Theater | 2159 |
| 10. Fine Arts | |
| <i>a.</i> General | 2159 |
| <i>b.</i> Architecture | |
| 11. Language, Literature & Folklore | |
| <i>a.</i> Language | 2160 |
| <i>b.</i> Literature & folklore | 2161 |
| 12. Geography & Geology | |
| <i>a.</i> Ethnology | 2162 |
| <i>b.</i> Geography | 2162 |
| <i>c.</i> Geology & paleontology | 2164 |
| 13. Science | |
| <i>a.</i> General | 2166 |
| <i>b.</i> Astronomy | 2170 |
| <i>c.</i> Biology | 2171 |
| <i>d.</i> Chemistry | 2176 |
| <i>e.</i> Mathematics | 2181 |
| <i>f.</i> Physics | 2183 |
| 14. Medicine | |
| <i>a.</i> General | 2189 |
| <i>b.</i> Gynecology, obstetrics & pediatrics | 2195 |
| <i>c.</i> Neurology & psychiatry | |
| <i>d.</i> Ophthalmology & otorhinolaryngology | 2195 |
| <i>e.</i> Pathology & therapeutics | 2195 |
| <i>f.</i> Pharmacy & materia medica | 2196 |
| <i>g.</i> Public health & nursing | 2197 |
| <i>h.</i> Surgery & dentistry | 2198 |
| <i>i.</i> Venereology & dermatology | |
| 15. Agriculture | |
| <i>a.</i> General | 2198 |
| <i>b.</i> Animal industry | 2203 |
| <i>c.</i> Forestry | 2204 |
| <i>d.</i> Plant culture | 2204 |
| 16. Technology | |
| <i>a.</i> General | 2205 |
| <i>b.</i> Aeronautics | 2212 |
| <i>c.</i> Chemical technology | 2213 |
| <i>d.</i> Civil & construction engineering | 2218 |
| <i>e.</i> Electrical engineering | 2219 |
| <i>f.</i> Industries & trades | 2224 |
| <i>g.</i> Mechanical engineering | 2226 |
| <i>h.</i> Mining & metallurgy | 2233 |
| 17. Military & Naval Sciences | |
| <i>a.</i> Military science | 2245 |
| <i>b.</i> Naval science | 2247 |
| Part C—List of Periodicals Indexed and Abbreviations Used | 2250 |
| Subject Index to Monographs and Periodicals | 2258 |
| Periodicals Available in English Translation Cover-to-Cover, | |

1. GENERAL

IRKOV, A.S., R.V. SOLOV'YEV, and N.N. SHCHIRIAKOV. [A V.I. Lenin school museum; from the experience of its organization and work] Shkol'nyi muzej V.I. Lenina, iz opyta organizatsii i raboty. Minsk, Narodnaya osveta, 1966. 85 p.

TADZHIKSKII GOSUDARSTVENNYI UNIVERSITET. [Scientific Conference of Young Scholars of the Tajik V.I. Lenin State University dedicated to the 50th anniversary of the Great October Revolution, abstracts of reports] Nauchnaya konferentsiya molodykh uchennykh Tadzhikskogo gosudarstvennogo imeni V.I. Lenina, posvashchennaya 50-letiyu Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii, tezisy dokladov. Dushanbe, 1966. 75 p.

ZLATINA, N.S. [What to read about Magadan Province, index of recommended literature] Chto chitat' o Magadanskoi oblasti; rekomendatsii i ukazatel' literatury. [Magadan] Magadanskoe knizhnoe izd-vo, 1966. 191 p.

2. BIBLIOGRAPHY

BEHREZHOVI, A.T. [Czarist censorship and the struggle of the Bolsheviks for a free press, 1895-1914] Tsarskaya tsenzura i boi'ba bolshevikov za svobodu pečatani (1895-1914). [Leningrad] Izd-vo Leningr. univ., 1967. 280 p.

[BOOKS AND LIBRARIES] Gramulas un to klataves, Riga, Zinatne, 1966. 165 p. [In Latvian]

KUSHCHINA, L.I. [Types of first editions and unpublished materials. Sources and methods of a library collection; compilation] Vidy pervykh i neopublikovannykh materialov. Istochniki i metody komp'ektovaniya fonda. Moskva, 1967. 23 p. diagr. (insert) (Organizatsiya i ispol'zovanie spetsial'no-informatsionnykh fondov, tekst)

MAKHROVICH, STSIAPAN. Hest hi Skai yna. Minsk, Belarus', 1966. 187 p.

MARTIN, A.P. [Subscription publications; for an method of popularization and distribution] Podpisnye izdaniya, formy i metody popogandy i rasprostraneniya. Moskva, Kniga, 1966. 124 p.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. [V.I. Lenin State Order of Lenin Library of the U.S.S.R. in 1965] Gosudarstvennaya ordena Lenina biblioteka SSSR imeni V.I. Lenina v 1965 godu. Moskva, Kniga, 1967. 114 p.

[PERIODICAL PUBLICATIONS OF THE UKRAINIAN S.S.R.; magazines. A bibliography of bibliographies] Periodychni vydannta URSR, 1951-1966, zhurnaly. Bibliografichnyi dovidnyk. Kharkiv, 1964. 180 p. Kharkiv, Redaktsionno-vydavnychiy vididil Knizhkovoi palaty URSR, 1964. 180 p.

PERLOV, N.A. [Introduction of mechanization means of layout-design and copying-duplicating work] Vvedenie areday mekhanizatsii proektiro-konstruktsionnykh i kopiroval'no-mnozhitel'nykh rabot. Minsk, 1966. 30 p.

PSHENICHNYI, B.N. [Treasure-house of books] Sokrovishchitsa knig. Dushanbe, Irfon, 1966. 106 p.

UKRAINE. Knyzhkova palata. [A book about books, 1917-1963; a bibliographic index. A bibliography of bibliographies. Technology, industry, transportation, and municipal services] Knyha pro knyhy, 1917-1963, bibliografichnyi pokazhehky. Bibliografiya bibliografiy. Tekhnika, promyslovisli', transport, komunal'ne hospodarstvo. Kharkiv, Red.-vydavnychiy vididil knyzhkovoi palaty URSR, 1964. 245 p. (MI)

URNOV, K.V. [Electrical equipment of printing machines] Elektrooborudovaniye poligraficheskikh mashin. Izd. 2, dop. i perer. Moskva, Kniga, 1967. 343 p.

3. PHILOSOPHY & RELIGION

ARSENKIN, V.K. [The path to the mind and heart] Put' k razumu i serdtsu. Moskva, Politizdat, 1967. 125 p.

DMITRIYEV, I.D. [What to believe and what to verify...] Chemu verit', chto poverit'... [Moskva] Detskaya lit-ra [1967] 110 p. (Shkol'naya biblioteka)

GAIGALAITÉ, ALDONA. [Church role in Lithuania in 1919-1940] Baznycios vaidmuo Lietuvoje 1919-1940 m. Vilnius, Mintis, 1967. 33 p. [In Lithuanian]

GOLUBTSOVA, N.I. [At the sources of the Christian Church] U istokov khristianskoi isekvi. Moskva, Nauka, 1967. 142 p. (Nauchno-populiarnaya seriya)

GOSUDARSTVENNAIA BIBLIOTEKA SSSR IMENI V.I. LENINA. [Ethics of the builders of communism, a list of recommended literature] Moral' streitel'ei kommunizma, rekomendatsii i ukazatel' literatury. Moskva, Kniga, 1964. 78 p. (NIC)

KHASKHACHKHII, F.I. [Problems of the theory of cognition of dialectical materialism] Voprosy teorii poznaniya dialekticheskogo materializma. Moskva, Vysshaya shkola, 1967. 326 p.

KOLESOV, G.I. [The socialist collective and atheistic education] Sotsialisticheskii kollektiv i ateisticheskoe vospitanie. Moskva, Mysl', 1967. 63 p.

KRISTIANINOV, V.F. [Mennonites] Mennonity. Moskva, Politizdat, 1967. 222 p. (Biblioteka "Sovremennoye religii")

[METHODOLOGICAL HANDBOOK ON PHILOSOPHY; for schools teaching the principles of Marxism-Leninism] Metodicheskoe posobie po filosofii, dlia shkol osnov markizma-leninizma. Moskva, Politizdat, 1967. 301 p.

MUNTIANU, M. ["Holy" commandments] Poruchenie "Sviate", konvorbir' ku kredhoshili despre murale, Kishineu, Karta Moldoveneaske, 1966. 97 p. [In Moldavian]

PLATONOV, K.K. [Psychology of religion; facts and thoughts] Psikhologiya religii, fakty i mysli. Moskva, Politizdat, 1967. 238 p.

SMIRNOV, A.A., ed. [Age-related and individual differences of memory] Vozrastnye i individual'nye razlichia pamtati. Moskva, Prosveshchenie, 1967. 208 p.

SOVESHCHANIYE PO SOVREMENNYM PROBLEMAM MATERIALISTICHESKOEI DIALEKTIKI. Moscow, 1965. [Materials of the Conference on Contemporary Problems of Materialistic Dialectics] Materialy, Moskva, Nauka, 1966. 4 v. (CU)

[TALKS ON RELIGION AND SCIENCE, a popular textbook] Besedy o religii i znani, populiarnyi uchebnik. 4, perer. izd. Moskva, Politizdat, 1967. 318 p.

[THEORY OF KNOWLEDGE AND CONTEMPORARY SCIENCE] Teoriya poznaniya i sovremennaya nauka. Moskva, Mysl', 1967. 229 p.

4. HISTORY

ABRAMAVICIUS, VLADAS. [Tadeusz Wróblewski] Tadas Vrublevskis. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1960. 36 p. [In Lithuanian]

[AFRICA HAS NOT YET BEEN DISCOVERED] Afrika eshche ne otkryta. [Moskva, Mysl', 1967] 470 p. illus.

ANAN'EV, V.I. [Friendship born in struggle] V bor'bu ozhiznennoe bratstvo. [Chelabinsk, Uzhno-Ural'skoe knizhnoe izd-vo, 1966] 126 p.

ANPILOV, G.N. [New documents on Russia at the end of the 16th and beginning of the 17th century] Novye dokumenty o Rossii kontsa XVI-nachala XVII v. [Moskva] Izd-vo Mosk. univ., 1967. 540 p.

BOGOLEPOV, V.P., ed. [The blockade and the counter-blockade; struggle on the ocean and sea routes during the Second World War] Blokada i kontrblokada, boi'ba na okeansko-morskikh soobshchennykh vo Vtoi mirovoi voine. [By] V.A. Belili i dr. [Moskva, Nauka, 1967] 766 p. (Vtoraia mirovaia voina v issledovaniyakh, vospominaniyakh, dokumentakh)

DURENIN, N.E. [Memorable years; reminiscences] Pamiatnye gody; vospominaniya. [Leningrad] Lentzdat, 1967. 302 p.

BYKHOVSKI, I.A., and D.I. VOINALOVICH. [V.I. Lenin and the Baltic sailors] V.I. Lenin i baltiskie moriaki. Leningrad, 1967. 30 p.

DLUŻNIEWSKA, SABINA. [Warsaw diary. Translated from the Polish] Warszawski dnevnik. Moskva, Voenizdat, 1967. 191 p.

DZIRKALIS, J. [Why did they run away? Truth about the Latvian National Fund in Sweden] Kapec vint bega? Patiesita pat Latviesu nacionalo fondu Zviedrijā. [Riga] Zvaigzne, 1965. 86 p. [In Latvian]

EGOROVA, A.G. [The working class during the Great October Socialist Revolution] Rabochii klass v Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii. Moskva, Znaniye, 1967. 42 p. (Novoe v zhizni, nauke, tekhnike i Seriya istoriya, 6)

[ESTABLISHMENT OF SOVIET RULE AND THE CIVIL WAR IN THE KOMI TERRITORY, 1917-1920, a collection of documents and materials] Ustanovlenie Sovetskoi vlasti i grazhdanskaya voyna v Komikrae (1917-1920), sbornik dokumentov i materialov. Syktyvkar, Komikuzhnoe izd-vo, 1966. 354 p. map (insert) (K 50-letiyu Velikoi Oktjabria)

[FAILURE OF OPERATION "CIFADEL"; defeat of the armies of German fascists in the battle of the Kursk arc] Proval operatsii "Tsifadel", razгром nemetsko-fashistskikh polchishch v bitve na Kurskoi dugo. Izd. 2, ispr. i dop. Moskva, Politizdat, 1967. 270 p.

FETSOV, A.P. [Karl Lukass; a biographical sketch] Karl Ivanovich Lukass; biograficheskii ocherk. [Kharkovsk] Kharkovskoe knizhnoe izd-vo, 1966. 109 p. (Zamchiatel'nye dal'nevostochniki)

GAIDAR, T.A. [From Havana by telephone] Iz Gavana po telefonu. [Moskva] Molodaya gvardiya, 1967. 143 p.

GORANOVICH, M.M. [Collapse of the "Green International, 1921-1938] Krakh Zelenogo Internatsionala (1921-1938). Moskva, Nauka, 1967. 280 p.

GRISHAEV, V.V. [Organization of soviets in the rural areas during the first year of the socialist revolution] Stoitel'stvo Sovetov v derevno v pervyi god sotsialisticheskoi revoliutsii. Moskva, Mysl', 1967. 86 p.

[HEROIC DEFENSE, a collection of reminiscences about the defense of the Brest Fortress in June-July 1941] Geroicheskaia oborona; sbornik vospominanii ob oborone Brestskoi kreposti v iune-i iule 1941 g. 3, izd. [Minsk, "Belarus", 1966] 595 p. illus. facsimile. (CS-II)

[HITLER'S OCCUPATION IN LITHUANIA] Giterovskaya okkupatsiya v Litve; sbornik statei. Vilnius, Mintis, 1966. 354 p. illus.

[IN THE FIRE OF REVOLUTIONARY BATTLES, Petrograd districts during the two revolutions of 1917. A collection of reminiscences of old Bolshevik residents of Petersburg] V ognе revoliutsionnykh boev, raiony Petrograda v dvukh revoliutsionnykh 1917 g. Sbornik vospominanii starykh bolshevikov-petersburg. Moskva, Mysl', 1967. 563 p.

- KARAVAEV, A. T. [By urgent order] Po slozhnomu predpisaniu. Moskva, Voenizdat, 1967. 271 p. (Voennye memuary)
- KHANSON, I. A. G. [V I Lenin's words in prerevolutionary Siberia, history of the publication and distribution of V. I. Lenin's works in Siberia, 1895-1904] Lenin'sko slovo v dorevolutsionnoi Sibiri, iz istorii izdaniia i rasprostraneniia proizvedenii V. I. Lenina v Sibiri (1895-1904 gg.). Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 89 p.
- KISHINEVSKII GOSUDARSTVENNYI UNIVERSITET. Knizhna istoriia SSSR. [History of Kishinev] Istoriia Kishineva. Kishinev, Karla Moldovenaske, 1966. 562 p. illus., ports., maps. (CSI-H)
- KLOKMAN, R. R. [Socioeconomic history of the Russian city, the second half of the 18th century] Sotsialno-ekonomicheskaya istoriia russkogo goroda, vtoraya polovina XVIII veka. Moskva, Nauka, 1967. 333 p.
- KONFERENTSIJA PO ISTORII EKONOMICHESKIKH SVIAZEI PRIBALTIKS ROSSII. [Abstracts of papers and reports of the Conference on the History of Economic Relations between the Baltic States and Russia] Tezisy dokladov isobshchenii. Riga, Zinatne, 1966. 73 p.
- KOVAL', S. F. [For truth and freedom; the century of an uprising of political exiles in Siberia in 1866] Za pravdu i voliu; k stoletiu vosstaniia politicheskikh ssi'nykh v Sibiri v 1866 g. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1966. 100 p.
- KOVANENKO, H. T. [Tribes of the Scythian period on the Vorskla] Plemena skifskogo chasu na Vorskli. Kyiv, Naukova dumka, 1967. 185 p.
- KURILENKO, Z. E. [Tale about a son] Povest' o syne. [Moskva] Mosk. rabochii, 1966. 213 p. (IEN) (MH)
- KUSHCHII, G. S. [Enemy of the capitalist system] "Vrag kapitala" [Leningrad] Lenizdat, 1967. 47 p.
- LAGOVSKAYA, E. A. [For your sake, mankind] Radi teba, chelovek [Moskva] Mosk. rabochii, 1967. 180 p.
- LIDEROV, P. D. [Scythian monuments in the central Don Valley] Pamiatniki skifskogo vremeni na Srednem Donu. Moskva, Nauka, 1965. 111 p. illus. (Arkhologiya SSSR; svod arkhologicheskikh istochnikov, DI-31) (NIC)
- LIUDNIKOV, I. I. [Across the Great Khingan Mountains] Cherez Bol'shoi Khingan. Moskva, Voenizdat, 1967. 117 p.
- LUNACHARSKI, A. V. [Europe in the dance macabre] Evropa v plisske smerti. Moskva, IMO, 1967. 158 p.
- MARAKHOV, G. I. [The Polish Revolution of 1863 on the right-bank Ukraine] Polskoe vosstanie 1863 g. na Pravoberozhnoi Ukrainie. [Kiev] Izd-vo Kievskogo univ., 1967. 258 p.
- MARTYNIENKO, A. K. [Russian-Bulgarian relations in 1894-1902] Russko-bulgarские otnosheniia v 1894-1902 gg. [Kiev] Izd-vo Kievskogo univ., 1967. 295 p.
- MERKYS, VITAUTAS. [Populists and first Marxists in Lithuania] Narodniki i pirmieji marksistai Lietuvoje. Vilnius, Mintis, 1967. 160 p. [in Lithuanian]
- MOSKVIN, N. I. [Along partisan paths] Partizanskimi tropami. [Moskva] Mosk. rabochii, 1967. 385 p.
- NEMIROV, I. L. [Life is an heroic deed] Zhizn' - podvig. Kishinev, Karla Moldovenaske, 1967. 368 p.
- [THE OCTOBER REVOLUTION AT THE FRONT LINES; reminiscences] Otklady na fronte; vospominaniia. Moskva, Voenizdat, 1967. 291 p.
- PARAKHNEVICH, VLADIMIR. [Flery vortexes, notes of a partisan. As told to Vladimir Zhilchenko] Ognennye vikhri, zapiski partizana. Literaturnaja obrabotka Vladimira Zhilchenko. [Minsk, "Belarus"] [1967] 398 p.
- [THE PAST AND THE PRESENT; from the history of European people's democracies] Proshloe i nastoiashche; iz istorii evropejskikh stran narodnoi demokratii. Moskva, Nauka, 1967. 258 p.
- POLUPANOV, A. V. [Freedom or death] Syvoda ili smert'. Donetsk, Donbass, 1966. 245 p. (O vremeni i o sebe)
- [PROBLEMS OF MARXIST-LENINIST THEORY AND THE HISTORY OF THE REVOLUTIONARY MOVEMENT IN UZBEKISTAN] Voprosy marksistsko-leninskoi teorii i istorii revoliutsionnogo dvizheniia v Uzbekistane. Tashkent, Nauka, 1965. 222 p.
- [THE ROLE OF THE LABOR CLASS IN THE DEVELOPMENT OF SOCIALIST CULTURE] Rol' rabochego klassa v razvitiu sotsialisticheskoi kul'tury. Moskva, Mysl', 1967. 147 p.
- RUKŠENAS, KAZYS [Into slavery] Ivergove Vilnius, Mintis, 1966. 149 p. [in Lithuanian]
- RUSSIA (U.S.S.R.) Tsentral'nyi gosudarstvennyi istoricheskii arkhiv v Leningrade. [Documents of the Central State Historical Archives of the U.S.S.R., on works of Soviet researchers; a bibliographic index] Dokumenty TsGIA SSSR v rabotakh sovetskikh issledovatelei; bibliograficheskii ukazatel' Leningrad. No. 2 [Books, articles, and publications in Russian, 1958-1962] Knigi, stat'i i publikatsii na russkom iazyke, 1958-1962 gg. 1966. 326 p.
- SADYKOV, A. S. [Economic relations between Khiva and Russia in the second half of the 19th and the early 20th century] Ekonomicheskie svyazi Khivy s Rossiei vo II polovine XIX - nachale XX vv. Tashkent, Nauka, 1965. 181 p.
- SERGEVA, G. A. [The Arch] Archintsy Moskva, Nauka, 1967. 189 p.
- SHASTIKO, P. M. [Nana Sahib; a story about the people's uprising of 1857-1859 in India] Nana Sahib; rasskaz o narodnom vosstanii 1857-1859 gg. v Indii. Moskva, Nauka, 1967. 166 p.
- [SKETCHES ON THE HISTORY OF LENINGRAD] Ocherki istorii Leningrada. Leningrad, Nauka. Vol. 5. [The period of the Great Patriotic War of the Soviet Union, 1941-1945] Period Velikoi Otechestvennoi voyny Sovetskogo Soiuza, 1941-1945 gg. 1967. 747 p.
- SMIRNOV, I. I. [Duchenwald alarm] Bukhensval'dskii nabat. [Gor'kii, Volgo-Vlatskoe knizhnoe izd-vo, 1966] 214 p. illus. (NIC)
- [STUDIES IN THE HISTORY OF THE CRIMEA] Ocherki po istorii Kryma. Simferopol', "Krym". Pt. 4. [The Crimea during the Great Patriotic War and the period of the restoration and further development of its economy, 1941-1965] Krym v period Velikoi Otechestvennoi voyny, v gody vosstanovleniia i dal'nieshego razvitiia narodnogo khoziaistva (1941-1965 gg.). 1967. 318 p.
- [TEHERAN, YALTA, AND POTSDAM, a collection of documents] Tegeran - Ialta - Potsdam, sbornik dokumentov. Moskva, IMO, 1967. 367 p.
- [UZBEKISTAN DURING THE GREAT PATRIOTIC WAR, 1941-1945] Uzbekistan v gody Velikoi otechestvennoi voyny (1941-1945). Tashkent, Fan, 1966. 205 p.
- VARSHAVSKI, A. S. [Cities reveal their secrets] Goroda raskryvali tajny. Moskva, Znanie, 1967. 284 p.
- VLADIMIROV, E. V. [Journeys and meetings; V. I. Lenin in Siberia, 1897-1900] Poesdki i vstrechi; V. I. Lenin v Sibiri 1897-1900 gg. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 119 p.
- ZAVIZION, G. T., and P. A. KORNUSHIN. [And on the Pacific Ocean... a military historical sketch about the combat record of the 6th Guards Tank Army] I na Tikhom okeane... voenno-istoricheskii ocherk o boevom puti 6-i gvardiiskoi tankovoi armii. Moskva, Voenizdat, 1967. 253 p.

5. SOCIAL SCIENCES

- ANDRIANOV, V. M. [Economics of the petrochemical industry] Ekonomika neftekhimicheskoi promyshlennosti. Moskva, Khimiia, 1967. 203 p.
- ARASLY, E. G. [Economic ties of the United Arab Republic with Arab countries] Ekonomicheskie svyazi OAR s arabskimi stranami. Moskva, Nauka, 1967. 62 p.
- ARKHIPOV, A. I. [Plan, marketing, and initiative of agricultural enterprises] Plan, sbil i initsiativa sel'skokhoziaistvennykh predpriatii. Moskva, Ekonomika, 1967. 44 p. (Aktual'nye problemy ekonomiki sel'skogo khoziaistva)
- ATLAS, M. S. [Developing the banking systems of socialist countries] Razvitiie bankovskikh sistem stran sotsializma. [Moskva] Finansy, 1967. 237 p.
- BAGOTA, BÉLA, and TIBOR HÁLAL. [Management and material incentives in Hungarian industry] Upravlenie i material'noe stimulirovanie v promyshlennosti Vengrii. Moskva, Ekonomika, 1967. 94 p.
- BAKHADZE, V. S., G. D. CHICHUA, and V. S. ADVAI [The economic history of the U.S.S.R. Ekonomicheskaya istoriia SSSR] Tbilisi, Izd-vo Tbilisskogo univ. in Georgian. Pt. 2. 1967. 158 p.
- BELIAEV, I. N. [Equalizing the levels of economic development of socialist countries, a theoretical study] Sblizhenie urovnei ekonomicheskogo razvitiia sotsialisticheskikh stran, ocherk teorii. Moskva, Mysl', 1967. 268 p.
- BELIAEV, I. N., and L. S. SEMENOVA. [The Comsec countries in the world economy] Strany SEV v mire ekonomike. Moskva, IMO, 1967. 187 p.
- BELICHENKO, I. P. [Protection of water resources is everybody's concern] Okhrana vodnykh resursov - vsenarodnoe delo. [Moskva, Kolos, 1966] 135 p.
- BELOZERTSEV, A. G. [Economic principles of mechanizing grain production] Ekonomicheskie osnovy mekhanizatsii proizvodstva zerna. Moskva, Kolos, 1966. 351 p.
- DESSMERTNYI, L. L. [Tables for computing payment for leave and compensation for the unused leave] Tablitsy dlia nachisleniia opłaty za otpusk i kompensatsii za neispol'zovannyi otpusk. Moskva, Statistika, 1967. 30 p.
- BOGDANOVICH, A. V., and P. A. SIDOROV [Cities of White Russia; a brief economic study] Goroda Belorussii; kratkii ekonomicheskii ocherk. Minsk, Nauka i tekhnika, 1967. 183 p. maps (insert)
- BURIAK, A. R., and V. N. KORNEV. [Scientific organization of labor in operation] Nauchnaya organizatsiia truda v deistvii. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 71 p. (Uchebnaia khoozhaistvo)
- BYKHOVER, N. A. [Economics of mineral raw materials; power fuel raw materials, ores of ferrous and additional alloy metals] Ekonomika mineral'nogo syr'ia; toplivno-energeticheskoe syr'e, rudy chernykh i legiruyushchikh metallov. Moskva, Nedra, 1967. 367 p. maps (insert)
- BYSTROV, F. P., P. T. NOSKO, and G. P. RYBALKO, eds. [Foreign exchange manual] Valutnyi spravochnik. Moskva, Finansy, 1967. 357 p.
- CHIKVAIDZE, V. G. [Work practice of the Margelan wholesale base] Opyt raboty Margelanskoi optovoi bazy. Moskva, Ekonomika, 1967. 39 p.
- CHUMAKOV, M. P. [Financial and foreign exchange contradictions of the "Common Market"] Finansovovallutnye protivorechiia "Obshchego rynka." Moskva, Finansy, 1967. 134 p.
- DEVET'IAROV, K. Z., K. I. POGODIN, and B. V. RAKITSKII. [Time of good changes] Vremia dobrykh pereimen. Moskva, Sov. Rossiia, 1967. 116 p.
- DOLGOPOLOV, K. V., and E. F. FEDOROVA. [Volga Valley; outline of economic geography. Manual for teachers] Povolzh'e; ekonomiko-geograficheskii ocherk. Posobie dlia uchiteliei. Moskva, Prosveshchenie, 1967. 206 p., map (insert)
- DUBROVSKII, I. N. [Technological progress concerns everybody] Tekhnicheskii progress - delo kazhdogo. Moskva, Gos. izd-vo polit. lit-ry, 1961. 54 p. (Ekonomicheskie znanii - rabochim) (CLU)
- DUBROVSKII, K. I., and G. KH. POPOV. [Economic problems of managing the development of experimental design] Ekonomicheskie voprosy upravleniia opytno-konstruktorскими razrabotkami. [Moskva] Izd-vo Mosk. univ., 1967. 97 p.
- [ECONOMIC PROBLEMS IN THE DEVELOPMENT OF POWER ENGINEERING] Ekonomicheskie voprosy razvitiia energetiki. Moskva, Mysl', 1967. 163 p.
- [ECONOMICS, ORGANIZATION, AND PLANNING FOR INDUSTRIAL PRODUCTION; a textbook] Ekonomika, organizatsiia i planirovanie promyshlennogo proizvodstva; uchebnoe posobie. Moskva, Ekonomika, 1967. 350 p.
- EGOROV, I. I. [Financing plans for the economic development of India] Finansirovanie planov ekonomicheskogo razvitiia Indii. Moskva, Nauka, 1967. 214 p.

- [ESTABLISHING NORMS FOR THE WORKING CAPITAL OF ENTERPRISES; a practical aid] Normirovanie oborotnykh sredstv predpriyatiya, prakticheskoe posobie. Moskva, Finansy, 1967. 158 p.
- [THE ESTONIAN S.S.R., a handbook] Estonskaya SSR; spravochnik. Tallinn, Eesti Raamat, 1967. 174 p.
- FEDCSOV, I.A. [From the history of Russian social thought of the 18th century: M.M. Shcherbatov] Iz istorii russkoi obshchestvennoi mysli XVIII stoletia. M.M. Shcherbatov. [Moskva] Izd-vo Mosk. univ., 1967. 258 p.
- FILIPPOV, A.F., and I.A. KOSOGIADOV. [Study of electrical goods and household machines] Tovarovedenie elektrodvorov i bytovykh mashin. Moskva, Ekonomika, 1967. 156 p.
- [FOR THE POPULARIZER OF POLITICAL ECONOMY, Instructional and methodological aid for schools of principles of Marxism-Leninism] Propagandists politekonomii, uchebno-metodicheskoe posobie dlia shkol osnov marksizma-leninizma. 2., dop. izd. Moskva, Politizdat, 1967. 301 p.
- GARBER, L.L. [Analysis of problems of the dialectics of social development during the First World War by V.I. Lenin] Issledovanie V.I. Lenina voprosov dialektiki obshchestvennogo razvitiia v period Pervoi mirovoi volny. Tashkent, Nauka, 1966. 194 p.
- GARKISHA, A.V., and V.I. SKIBA. [Tables for computing workers' and employees' wages for the period of leave or compensation for the unused leave] Tablitsy dlia ischisleniia zarabotka rabochikh i sluzhashchikh za vremia otpuska ili kompensatsii za nepopol'zovannyi otpusk. [L'vov] Izd-vo L'vovskogo univ., 1967. 185 p.
- GAVERCHENKOV, D.N. [Use of capital assets in the grain product industry] Ispol'zovanie osnovnykh proizvodstvennykh fondov v otrasli khleboproduktov. Moskva, Kolos, 1967. 77 p. (Ekonomika na predpriyatiakh khleboproduktov)
- GIRCHUK, I.A. P. [Operations and production planning in foundries] Operativno-proizvodstvennoe planirovanie v litseynykh tsekhakh. Moskva, Mashinostroyeniye, 1967. 218 p.
- GOGOL', B.I., and V.I. MOSKVIN, eds. [Economics of Soviet trade for students of trade-economics and accounting-economics faculties] Ekonomika sovetskoi torgovli dlia studentov torgovo-ekonomicheskogo i uchetno-ekonomicheskogo fakul'tetov. Moskva Pt. 1. Chs. 1-5. 1962. 160 p.
- GUEREVICH, N.M. [Outline history of the trade capital in Afghanistan] Ocherk istorii torgovogo kapitala v Afganistane. Moskva, Nauka, 1967. 140 p.
- GYÖRGY, STVÁN. [They stride into the future; essays on the socialist labor brigades of the Hungarian People's Republic. Translated from the Hungarian] Oni elagatut v zavtra; очерки о бригадах социалистического труда Венгерской Народной Республики. [Moskva] Profizdat, 1967. 100 p.
- IAROSHEVSKII, B.E. [The green monster] Zelenoe chudovishche. Moskva, Politizdat, 1967. 60 p. (Vladyki kapitalisticheskogo mira)
- IAKOV, V.I. [General information on machine accounting in construction, agriculture, Soviet trade, organs of the Central Statistical Administration and other branches of the national economy of the U.S.S.R.; a textbook] Obshchie svedeniia o mekhanizatsii ucheta v stroitel'stve, sel'skom khoziaistve, sovetskoi torgovle, organakh TsSU i drugikh otraslakh narodnogo khoziaistva SSSR; uchebnoe posobie. Moskva, 1966. 47 p.
- IUDANOV, N.I. [Capital under a pseudonym; financial groups of small countries] Kapitaly pod psevdonimom; finansovye grupy mal'nykh stran. Moskva, IMO, 1967. 287 p.
- KAMENITSER, S.E., V.G. KONTOROVICH, and G.A. PISHCHULIN. [Organization and planning for industrial enterprises; a textbook] Organizatsiia i planirovanie promyshlennykh predpriatii; uchebnik. 4., perer. i dop. izd. Moskva, Politizdat, 1967. 500 p.
- KAMPARS, P.P., and N.M. ZAKOVICH. [Soviet social customs] Sovetskii grazhdanskii obriadnost'. Moskva, Mysl', 1967. 254 p.
- KARPOV, L.D. [Economic analysis of auxiliary production] Ekonomicheski analiz vspomogatel'nogo proizvodstva. Moskva, Ekonomika, 1967. 159 p.
- KATSMAN, V.I.A. [Tanzania; a textbook for students] Tanzaniia; posobie dlia uchashchikhsia. Moskva, Prosveshcheniye, 1967. 126 p. map. (Chelovek i planeta)
- KHARLAMOV, A.P. [In the blind alley of bourgeois technicism] V tupike burzhuaznogo tekhnitsizma. Moskva, Mysl', 1967. 76 p.
- KIEV. Statisticheskoe upravlenie. [Kiev in figures, a statistical abstract] Kyiv v tsyifakh, statystichnyi zbirnyk. Kyiv, Statistika, 1966. 161 p.
- KOBRINSKII, A.E., and N.E. KOBRINSKII. [Cybernetics in industrial management] Kibernetika v upravlenii proizvodstvom. Moskva, Ekonomika, 1967. 62 p. (Biblioteka khoziaistvennogo i ukovoditel'a)
- KOTLIAR, A.E. [The labor force in the U.S.S.R.; problems of the theory of reproduction] Rabochia sila v SSSR; voprosy teorii vosproizvodstva. Moskva, Mysl', 1967. 175 p.
- KOVALENKO, A.U. [Ways of improving branch structure, specialization and cooperation in the machinery manufacturing of the Moldavian S.S.R.] Puti sovshsheniia struktury, spetsializatsii i kooperirovaniia v mashinostroyenii Moldavskoi SSR. Kishinev, 1966. 87 p.
- KOVALEV, A.M. [The science of communism] Nauka o kommunizme. [Moskva] Izd-vo Mosk. univ., 1967. 31 p.
- KULIKOV, A.G., V.P. KAMANKIN, and L.A. BIBIN, eds. [Business accounting and material incentives in industry and construction] Khoziaistvennyi raschet i material'noe stimulirovanie (v promyshlennosti i stroitel'stve). Moskva, Mysl', 1967. 324 p.
- KYZIA, L.E. [In the land of the dollar] V kraini dolara. Kyiv, Politizdat Ukrainy, 1966. 40 p.
- LAVROV, S.B. [Geography of the industry of the Federal Republic of Germany] Geografiia promyshlennosti FRG. [Leningrad] Izd-vo Leningr. univ. Pt. 1. 1967. 202 p.
- LENIN, V.I. [International labor and communist movement] O mezhdunarodnom rabochem i kommunisticheskom dvizhenii. Moskva, Politizdat, 1967. 416 p.
- LEVIN, A.I.A. [Social and economic forms in the U.S.S.R. during the period of transition from capitalism to socialism] State capitalism and private capitalism. Gosstat'no-ekonomicheskie układy v SSSR v period perekhoda ot kapitalizma k sotsializmu; gosudarstvennyi kapitalizm i chastnyi kapitalizm. Moskva, Ekonomika, 1967. 166 p.
- LESAVTSSEV, E.I. [New Soviet traditions] Novye sovetskoe traditsii. Moskva, Sov. Rossiia, 1966. 165 p.
- LISNYCHENKO, T.M. [Cooperative housing construction] Kooperativnoe zhytiye budytynstvo. Kyiv, Budivniy, 1966. 151 p.
- MASLICH, G.E. [Analyzing the efficiency of machine shops] Analiz raboty mekhanicheskikh isekhov. Pod red. V.I. Ganshaka i P.A. Zhukova. Moskva, Mashinostroyeniye, 1967. 53 p. (Ekonomicheski analiz raboty mashinostroitel'nykh predpriatii)
- MAZO, N.I. [Organization of the management of supply of materials and equipment] Organizatsiia upravleniia material'no-tekhnicheskimi snabzheniem. Moskva, Ekonomika, 1967. 46 p. (Biblioteka khoziaistvennogo rukovoditel'a)
- MELNIKOVA, E.B. [Juvenile delinquency in capitalist countries] Prestupnost' nesovershennoletnikh v kapitalisticheskikh stranakh. Moskva, Izd. lit-ra. Pt. 1. 1967. 149 p.
- MILLIONSHCHIKOV, A.D. [Revenues other than taxes] Nenalogovye dokhody. Moskva, Finansy, 1967. 106 p.
- MISŪNAS, JONAS. [Criminal responsibility for bribery] Daudziamoji atsakomybe uz kymininkavima. Vilnius, Minis, 1965. 30 p. (Laudes tajejo biblioteko) [in Lithuanian]
- MITROFANOV, A.I., ed. [Planning stages of work to be completed in industrial construction] Planirovanie zadolov v promyshlennom stroitel'stve. [Moskva] Ekonomika, 1967. 180 p.
- [THE NATIONAL LIBERATION MOVEMENT, a reader] Natsional'no-osvoboditel'noe dvizheniye, kniga dlia chlenita. Moskva, Politizdat, 1967. 374 p.
- NEKRASOV, V.P. [Travels in various dimensions] Puteshestviia v raznykh tsmenitakh. Moskva, Sov. pisatel', 1967. 437 p.
- NOVOZHILOV, I.V. [Policy toward profitability] Kurs na rentabel'nost'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1966. 83 p. (Uchis' khoziaistvovat')
- BOLENSKII, N.G. [Credit and payment relations of socialist countries] Kreditno-raschetnye otnosheniia sotsialisticheskikh stran. Moskva, Finansy, 1967. 31 p.
- [ORGANIZATION AND PLANNING OF ENTERPRISES, standard reference materials for the preparation of a course and diploma project] Organizatsiia i planirovanie predpriatii, normativno-spravochnye materialy k kursovomu i diplomnomu proektirovaniu. Leningrad, 1966. 85 p.
- ORLOV, S.A. [Improve planning for the use of capital assets of enterprises] Uluchshii' planirovanie ispol'zovaniia osnovnykh fondov predpriatii. Kishinev, Karla Moldovenaske, 1967. 50 p.
- OSIPOV, V.D. [Britain; the 1960's] Britaniia; 60-e gody. Moskva, Politizdat, 1967. 302 p. (Zapad nashikh dnei)
- PEKUNENKO, I.F. [Practice in providing material incentives for collective-farm brigades] Eksperimenta stimulirovaniia material'no-ekonomicheskimi. Kishinev, Karla Moldovenaske, 1965. 47 p. [in Moldavian]
- [PLANS FOR SCIENTIFIC LABOR ORGANIZATION IN AUXILIARY PRODUCTION; methodological recommendations] Plany NOT vo vspomogatel'nom proizvodstve; metodicheskie rekomendatsii. Moskva, Ekonomika, 1967. 45 p.
- POGOSOV, I.A. [Cost indices of industrial production] Stoitimostnye pokazateli promyshlennoi produktii. Moskva, Statistika, 1967. 125 p.
- POLCHIANINOV, P.V., and G.E. SAFRAI. [Financial operations of an automotive transportation enterprise] Finansovaii deiatel'nost' avtotransportnogo predpriatia. Moskva, Transport, 1967. 173 p.
- [PRACTICAL ASSIGNMENTS IN PAYMENT AND ISSUING CREDIT] Prakticheskie zadaniia po raschetam i kreditirovaniu. Moskva. Pt. 1. 1962. 87 p.
- PRUDINSKII, A.M. [Labor laws which regulate the dismissal of the employees of the mineral industry] Trudovoe zakonodatel'stvo ob uvolnenii s predpriatii gornoi promyshlennosti. Moskva, Izd. lit-ra, 1966. 78 p.
- RABINOVICH, P.A. [Business correspondence on collective farms] Deloproizvodstvo v kolhozakh. Moskva, Kolos, 1967. 126 p.
- RODIONOVA, E.I. [Social insurance in capitalist countries] Sotsial'noe strakhovanie v kapitalisticheskikh stranakh. Moskva, No. 4. Pod red. N.A. Vinogradova. 1966. 26 p.
- RZHEVSKII, V.A. [Labor in the new five-year plan] Trud v novoi plattelke. Moskva, Ekonomika, 1967. 68 p.
- SANAKOV, S.H. P. [Victorious march of socialism] Pobednaia postup' sotsializma. Moskva, Znanie, 1967. 29 p. (Novoe v zhizni, nauke, tekhnike. VII Sortir: Mezhdunarodnaia, 11)
- SAUSHKIN, I.U.G., I.V. NIKOL'SKII, and V.P. KOROVITSYN, eds. [Economic geography of the Soviet Union] Ekonomicheskaii geografiia Sovetskago Soyuza. [Moskva] Izd-vo Mosk. univ. Pt. 1. [Productive forces of the country as a whole] Proizvoditel'nye sily strany v tselom. 1967. 390 p.
- SAVICHEV, P.I., ed. [Collection of problems on the managerial operations of an enterprise] Zadachnik po analizu khoziaistvennoi deiatel'nosti predpriatii. Moskva, Finansy, 1967. 245 p.
- SAVINOV, A.I. [Organization and planning of enterprises; an aid for the preparation of a course project] Organizatsiia i planirovanie predpriatii; posobie po kursovomu proektirovaniu. Leningrad, 1966. 35 p.

ISTROV, V.A., and A.F. DEEV. [Practice in using electronic computers in sociological studies, using materials on how the workers of Krasnoyarsk Territory use their time] Opyt primeneniya EVM v sotsiologicheskikh issledovaniyakh, na materialakh bludzheto-vo vremeni trudashchikhsia Krasnoyarskogo kraia. Novosibirsk, Nauka, 1967. 241 p.

VASIL'EV, S.S., and others. [Planning managerial operations in public dining enterprises] Planirovaniye khoziaistvennoi deiatelnosti organizatsii obshchestvennogo pitaniya. Moskva, Ekonomika, 1967. 197 p.

[VENEZUELA, economics, politics, culture] Venesuela, ekonomika, politika, kul'tura. Moskva, Nauka, 1967. 350 p.

VIKENT'EV, A.I., and B. P. MIROSHCHENKO. [Economic laws of socialism and planning in the Comecon countries] Ekonomicheskie zakony sotsializma i planirovaniye v stranakh SEV. Moskva, IMO, 1967. 302 p.

VLADIMIROV, V.V. [The man needed by everyone] Chelovek, kotoriy nuzhen vsem. Alma-Ata, "Kazakhstan," 1967. 146 p.

[VOLUNTARY PARTICIPATION OF THE PEOPLE OF LENINGRAD IN THE STRUGGLE FOR TECHNOLOGICAL PROGRESS] Na obshchestvennykh delakh; leningradtsy v bo're za tekhnicheskii progress [Leningrad] Lenzdat. Sbornik No 2, 1965. 172 p. (NeU)

[WAGES FOR WORKERS OF THE NONPRODUCTIVE AREA] Zarabotnaya plata rabotnikov neproizvodstvennoi sfery. Moskva, Ekonomika, 1967. 143 p.

[WE SHOULD CONTRIBUTE TO THE SOLUTION OF PROBLEMS IN THE BUILDING OF COMMUNISM, a visual aid based on the materials of the plenary session of the Central Committee of the CPSU in September 1965] Na uroven' zadach kommunistskogo stroitel'stva, nagladnoye posobie po materialam sentyabrskogo (1965 g.) Plenuma TsK KPSS. [Moskva, Politizdat, 1965] 10 plates in portfolio (Vremia i sobytia, no 1) (CSt-H)

ZAMOSHIN, I.U.A. [Crisis of bourgeois individualism and personality] Krizis burzhuznogo individualizma i lichnosti. Moskva, Znanie, 1967. 60 p. (Novoe v zhizni, nauke, tekhnike. II Seriya Filosofiya, 6)

ZARUBOV, N.F. [Organization of auxiliary workers' labor] Organizatsiya truda vspomogatel'nykh rabochikh. Moskva, Ekonomika, 1967. 60 p. (Biblioteka NOT)

6. POLITICAL SCIENCE

ARENSTEIN, A.I. [In the early Moscow morning] Rannim moskovskim utrom [Moskva] Mosk. rabochii, 1967. 197 p.

AZERBAIJAN, Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Azerbaijan S.S.R., ninth session; verbatim report] Al'tynjy chaghhyrshy Azarbaijan SSR Ali Sovetinin ilajlary, doguzunju sessiya (21-22 dekabr 1965-ji il), stenografik hesabat. Baki, Azarbaijan SSR Ali Sovetinin Nashri, 1966. 120 p. [In Azerbaijani]

BUTLITSKI, A.V. [The mark of the Bruderband] Kleimo Bruderbonda. Moskva, Politizdat, 1967. 77 p.

[CURRICULUM FOR SCHOOLS TEACHING THE PRINCIPLES OF MARXISM-LENINISM] Programma shkoly osnov markizma-leninizma. Moskva, Politizdat, 1967. 63 p. (Sistema partinol ucheby)

EGOROV, V.N., comp. [A short bibliographic handbook, 1964-1968] Kratkiy bibliograficheskii spravochnik, 1964-1968. Moskva, IAO, 1967. 47 p. (Lekturo-mezhdunarodniku, propagandislu, agitatoru)

AKOVLEV, A.N. [Ideology of the American "empire"; problems of war, peace and international relations of postwar American bourgeois political literature] Ideologiya amerikanskoi "imperi"; problemy voyny, mira i mezhdunarodnykh otnosheniy v poslevoennoi amerikanskoi burzhuznoi politicheskoi literature. Moskva, Mysl', 1967. 462 p.

KARIAGDY, D., and D. ABDULKERIMOV. [True helpers of the party] Partilany sadagatli komakchilari. Baki, Ganjik, 1967. 143 p. [In Azerbaijani]

KHOKHLOUK, G.S. [Lenin's theory on the revolutionary situation and our time] Leninskoe ucheniye o revoliutsionnoi situatsii i sovremennosti. Moskva, Mysl', 1967. 85 p.

KUCHIEV, A.G. [The unity of ideological and organizational work, experiences of the North Osetia proletarian party organization] Edinstvo ideologicheskoi i organizatsionnoi raboty, iz opyta raboty Severo-Osetinskoi partiinoi organizatsii. Otdelnoye izdaniye, Severo-Osetinskoe knizhnoe izd-vo, 1964. 70 p. (CSt-II)

MALYSII, A.I. ["The most terrible shell..."] "Samiy strashnyi snarlad..." Moskva, Politizdat, 1967. 13 p.

MODZHORIAN, L.A. [Colonialism yesterday and today, a sketch on international law] Kolonializm vchera i segodnya, mezhduarodnopravovye ocherki. Moskva, IMO, 1967. 150 p.

PANCHENKO, T.V. [V.I. Lenin's works; letters to Afar and the April theses] Proizvedeniya V.I. Lenina, pis'ma iz daleka i April'skie tezisy. Moskva, PPI izdat, 1967. 62 p. (Konsul'tatsii po istorii KPSS)

[PARTY ORGANIZATION OF WORKSHOPS, from the experience of party work among workers of industrial plants] Partinaya organizatsiya tekhnicheskikh i avtomaticheskikh zavodchikh kolektivov. Rukovodstvo Zapadno-Sibirskogo knizhnogo izd-vo, 1967. 61 p.

[PROBLEMS OF DEMOCRACY IN THE MODERN WORLD] Problemy demokratsii v sovremenom mire. Moskva, IMO, 1967. 239 p.

RODIONOV, P.A. [Collective work, the highest principle of party leadership; organization, development and realization of Lenin's principle of collectivity in the work of the CPSU] Kollektivnost' - vysshiiy princip partinogo rukovodstva; razvitiye i realizatsiya leninskogo printsiipa kolektivnosti v deyatelnosti KPSS. Moskva, Politizdat, 1967. 266 p.

TSAPANOV, V.I. [Militant revolution in the ideology of West German militarists] Voluntaryulicheskiy revolyutsionizm - ideologiya vopadnogermanskikh militaristov. Moskva, Znaniye, 1967. 45 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya. Mezhdunarodnaya, 12)

7. LAW

GORSHEIN, K.P. [Codification of labor law; theoretical problems] Kodifikatsiya zakonodatel'stva o trude: teoreticheskie voprosy. Moskva, Iurid. lit-ry, 1967. 223 p.

KLEIN, N.I. [Laws which regulate the planning of the production of consumer goods] Zakonodatel'stvo o planirovaniy proizvodstva tovarov narodnogo potrebleniya. Moskva, Iurid. lit-ry, 1967. 141 p.

[LEGAL PROBLEMS OF SCIENTIFIC AND TECHNICAL PROGRESS IN THE U.S.S.R.] Pravovye voprosy nauchno-tekhnicheskogo progressa v SSSR. Moskva, Nauka, 1967. 510 p.

MOLDAVIAN S.S.R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Moldavian S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Moldavian S.S.R., December 14, 1950. With amendments and supplements introduced by decrees of the Presidium of the Supreme Soviet of the Moldavian S.S.R., December 10, 1954, January 19, 1959, January 12, 1963, and December 8, 1966] Polozheniye o vybornakh v Verkhovnyi Sovet Moldavskoi SSR. Utverzhdeno ukazom Prezidiuma Verkhovnogo Soveta Moldavskoi SSR ot 14 dekabrya 1950 goda. S izmeneniyami i dopolneniyami, vneshennymi ukazami Prezidiuma Verkhovnogo Soveta Moldavskoi SSR ot 18 dekabrya 1954 goda, 10 yanvarya 1959 goda, 12 yanvarya 1963 goda i 8 dekabrya 1966 goda. Kishinev, Karta Moldoveniaskoe, 1967. 25 p.

PROKOPENKO, V.I. [Labor law] Trudovo pravo. Kyiv, Politizdat Ukrainy, 1966. 82 p.

TOLKUNOVA, V.N. [Women's right to work and its guarantees] Pravo zhenshchin na trud i ego garantii. Moskva, Iurid. lit-ry, 1967. 190 p.

UKRAINE. Constitution. [Constitution (fundamental law) of the Ukrainian Soviet Socialist Republic. With amendments adopted at the 6th, 7th, and 8th sessions of the 6th Supreme Soviet of the Ukrainian S.S.R.] Konstytutsiya (osnovnyi zakon) Ukrain's'koi Radians'koi Sotsialisticheskoi Respubliki. Iz zminamy i dopovnen-niamy, pryinyatymy na 6., 7., 8., sessiyakh Verkhov-noi Rady Ukrain's'koi SSR 6. aktykania, Kyiv, Polityvdav Ukrainy, 1966. 28 p.

UKRAINE Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Ukrainian S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., December 12, 1950. With amendments and supplements introduced by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., November 12, 1956.] Polozhenie o vyborakh v Verkhovnyi Sovet Ukrainiskoi SSR. Utverzhdeno ukazom Prezidiuma Verkhovnoho Soveta Ukrainiskoi SSR ot 12 dekabria 1950 goda. S izmeneniami i dopolnieniami, vnesennymi ukazom Prezidiuma Verkhovnoho Soveta Ukrainiskoi SSR ot 12 dekabria 1956 goda. Kiev, Politizdat Ukrainy, 1957. 22 p.

USENIN, V.I. [Reformism and bourgeois social legislation] Reformizm i burzhuaznoe sotsial'noe zakonodatel'stvo. Moskva, Nauka, 1957. 255 p.

8. EDUCATION

AVERKOVICH, N.V., and M.I. TSEITIN [Acrobatics] Akrobatika. Moskva, Fizkul'tura i sport, 1957. 79 p. (V pomoshch' nachinaiushchim)

DASHKIN, S.G. [Lessons in basketball, a textbook for sections of physical culture collectives (for work with beginners)] Uchi otk po basketbolu, uchebnoe posobie dlia sektiil kolektivov fizicheskoi kul'tury (dlia zaniatii s nachinaiushchimi) Moskva, Fizkul'tura i sport, 1956. 181 p.

[THE BEST...] Luchshie... Moskva, Fizkul'tura i sport, 1957. 255 p.

BONDAREVSKII, I.Z. [Learn to play chess] Uchites' igrat' v shakhmaty. [Leningrad] Leningrad, 1956. 78 p.

CHUDENOV, I.G. [State Central Lenin Institute of Physical Culture; an historical sketch] Gosudarstvennyi Tsentral'nyi ordena Lenina institut fizicheskoi kul'tury; istoricheski ocherk [Moskva, Fizkul'tura i sport, 1958] 134 p.

D'LACHIKOV, V.M. [Physical training of athletes] Fizicheskaya podgotovka sportsmena. Izd. 2., pereizd. Moskva, Fizkul'tura i sport, 1957. 39 p. (Biblioteka sportsmena)

EFENDIEV, T.M. [Pedagogical thoughts] Pedagogizh dushunlalar. Bakı, Manil, 1957. 205 p. [In Azerbaijani]

GORDIN, A.IU. [Moral education of school children through manual training (5th-8th grades), based on examples of city extended-hour schools] Nравственnoe vospitanie shkol'nikov v trude (V-VIII klassy), na primere gorodskoi shkoly s podlennymi dnem. Moskva, Prosveshchenie, 1957. 117 p.

IAGODIN, V.M. [Pole vaulting] Puzhki s shestom. Moskva, Fizkul'tura i sport, 1956. 91 p. (Biblioteka legkotatla)

KUPERMAN, I.I. [Strategy of play on the 100-square checkerboard] Taktika v shkhmatnoykh shakhtakh. Moskva, Fizkul'tura i sport, 1957. 187 p.

MOLIBOG, A.G. [Programmed instruction, problems of the scientific organization of pedagogic work] Programirovannoe obuchenie, voprosy nauchnoi organizatsii pedagogicheskogo truda. Moskva, Vysshaya shkola, 1957. 109 p.

POMERANTSEV, IU'M. [Road into the kingdom of Neptune, guide for beginning divers] Shlakh u Nop-tunilu; porady pochatkuluchym sportsmenam-pidvodnykam. Kyiv, Zdorov'ia, 1957. 132 p.

RUSSIA (U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Admission rules and curricula of entrance examinations for those entering institutions of higher education of the U.S.S.R., in 1957] Pravila prila i programmy vstupitel'nykh ekzamenov dlia postupaiushchikh v vysshe uchebnye zavedeniia SSSR v 1957 godu. Moskva, Vysshaya shkola, 1957. 60 p.

ZHELEZNIK, IU.D., IU.N. KLESICHIEV, and O.S. CHEKIOV. [Training young volleyball players; a textbook for trainers of children's and adolescent sports collectives] Podgotovka tynnykh volibol'istov, uchebnoe posobie dlia trenerov detskikh i iunoshekskh sportivnykh kolektivov. 2. izd. Ispr. i dop. Moskva, Fizkul'tura i sport, 1957. 292 p.

9. MUSIC, THEATER & MOTION PICTURES

ELATOV, V.I. [Rhythmic principles of White Russian folk music] Ritmicheskie osnovy belorusskoi narodnoi muzyki. Minsk, Nauka i tekhnika, 1956. 218 p.

GOL'DENSHTEIN, M.L. [How V.I. Lenin loved music] O tom, kak V.I. Lenin lyubil muzyku. Leningrad, Muzyka 1957. 165 p. (Popul'nyye ocherki dlia detei srednego vozrasta)

KIEN'KOVA, S.M. [Musicians talk about their art] Muzykanty o svoem iskusstve. Moskva, Sov. Rossiia, 1957. 125 p.

KHUBOV, G.N. [Aram Khachaturian, a monograph] Aram Khachaturian, monografiia. 2. izd. Moskva, Muzyka, 1957. 437 p.

[MEETINGS WITH MEIERKHOL'D, a collection of reminiscences] Vstrechi s Meierkhol'dom; sbornik vospominanii. Moskva, Vsesoi. teatr. ob-vo, 1957. 618 p.

[MILH ALEKSEEVICH BALAKIREV, chronic of his life and work] Milh Alekseevich Balakirev, letopis' zhizni i tvorchestva. Leningrad, Muzyka, 1957. 598 p.

[NATIONAL CHOIRS OF SOVIET LATVIA] Padomju Latvijas tautas kori, 1956. Narodnye khory Sovetskoi Latvii 1956. [Riga, Zvaigzne, n.d.] 105 p. illus. [Parallel texts in Latvian and Russian]

NEST'EV, I.V. [On the frontier of two centuries; sketches of foreign music of the late 19th and early 20th century] Na rubzhe dvukh stoletii; ocherki o zarubezhnoi muzyke kontsa XIX-nachala XX veka. Moskva, Muzyka, 1957. 107 p. (Universitetskaia kul'tura)

POPOV, A.D. [From a director's notes] Iz rezhisser-shikh zapisei. Moskva, Iskusstvo, 1957. 111 p. illus. (Repertuar khudozhestvennoi samodeiatel'nosti, 8)

SHNEERSON, G.M. Aram Khachaturian. Moskva, Sov. kompozitor, 1955. 76 p. (LU-NO)

TKACHENKO, T.S. [The folk dance] Narodnyi tanets. [Izd. 2.] Moskva, Iskusstvo, 1957. 653 p.

10. FINE ARTS

ANDRIANOVA, V.L., and S.G. RUTENBERG, comps. [Art work of West European artists in the collections of the Museum of History of Religion and Atheism; a catalog] Proizvedeniia iskusstva zapadnoevropeiskikh khudozhnikov v sobranii Muzeia istorii religii i ateizma; katalog. Leningrad, Nauka, 1957. 39 p. illus.

ANTONOVA, V.I. [Old Russian art in the collection of Pavel Korin] Drevnerusskoe iskusstvo v sobranii Pavla Korina. Moskva, Iskusstvo [1958] 166 p. illus.

BALTUN, P.K. Nikolai Vasil'evich, Tomskii. Leningrad, Khudozhnik RSFSR, 1957. 48 p. (Narodnaia biblioteka po iskusstvu)

FEDOROV-DAVYDOV, A.A. [Isaak Il'ich Levitan; his life and work] Isaak Il'ich Levitan; zhizn' i tvorchestvo. Moskva, Iskusstvo, 1956. 401 p. illus.

FEDOROV-DAVYDOV, A.A., ed. [Isaak Il'ich Levitan; documents, materials, bibliography] Isaak Il'ich Levitan; dokumenty, materialy, bibliografiia. Moskva, Iskusstvo, 1956. 238 p.

KOLOMIETS, A.S. ["Manga"; a collection of drawings by Hokusai] "Manga"; sbornik risunkov Khokusaia. Moskva, Nauka, 1957. 135 p. illus.

[MINSK, postwar reconstruction and development] Minsk, poslevoennnyi opyt rekonstruktsii i razvitiia. Moskva, Stroizdat, 1955. 178 p.

RADCHENKO, B.G. [Clocks of Moscow] Chasy Moskvy. [Moskva] Mosk. rabochii, 1957. 94 p.

[SKETCHES ON THE HISTORY OF UKRAINIAN ART] Narysy z istorii ukrains'koho mystetstva. Kyiv, Mystetstvo, 1955. 659 p. illus.

STEPANOV, G.P. [In cooperation with architecture; concerning the synthesis of modern architecture and applied and monumental art] V sozdruzhestve s arkhitekturoi; o sinteze sovremennoi arkhitektury s prikladnym i monumental'nym iskusstvom. Leningrad, 1956. 91 p.

11. LANGUAGE, LITERATURE & FOLKLORE

[ANTHOLOGY OF WHITE RUSSIAN STORIES IN TWO VOLUMES] Antologiia belaruskaha apaviadanniia u dvukh tomakh. [Minsk] "Belarus'" [1957] 2 v.

ARBUZOV, A.N. [Tania; a drama in two parts, eight scenes] Tania, drama v dvukh chastiakh, vos'mi kar-tinakh. Moskva, Iskusstvo, 1957. 77 p. (Shkol'naia biblioteka mladoi dramaturgii)

ARDENS, N.N. [Convict no. 33; a novel in three parts] Sayl'nyi N 33, roman v trekh chastiakh. Moskva, Sov. pisatel', 1957. 543 p.

ARKHANGEL'SKII, V.V. [The monument by the road] Pamiatnik u dorogi. Moskva, Fizkul'tura i sport, 1957. 134 p.

ASTROV, V.N. [Fires ahead; a novel] Ogn' vpered; roman. Moskva, Sov. pisatel', 1957. 518 p.

AZOV, D.S. [In our fathers' footsteps] Dorogami ottsov. Moskva, Sov. Rossiia, 1956. 122 p. illus.

BADMAEV, TSYREN-BAZAR. [Angry Selenga] Burlit Selenga. Moskva, Sov. Rossiia, 1956. 78 p. (Poeticheskaya Rossiia)

BALTSAN, IOSIF. [Verse] Versur'. Kishineu, Karla Moldovenaske, 1957. 289 p. (Kolektsiia "Aurora") [In Moldavian]

BANYKIN, V.I. [Leska's love. The Fomichev family. When flats are clenched] Lesikina hubov' Fomichevy. Kogda szhimaiutsia kulaki. Moskva, Sov. Rossiia, 1957. 429 p.

BASHKIROFF, NINA PERSSON DE. [Little Russian flowers and berries; merry stories] Tsvetochki i iagodka russkie, veselye rasskazy. Buenos Aires, 1957. 102 p. (NSyU)

DATMANOV, I.A., ed. [Sources of the formation of the Turkic languages of Central Asia and Southern-Siberia] Istochniki formirovaniia turkiskikh iazykov Srednei Azii i Uzhnoi Sibiri. Frunze, Ilim, 1956. 359 p.

BEDNYI, DEM'IAN. [Selected verse, Izbrannaya lirika. Moskva] Molodai gvardiia, 1957. 28 p. (Biblioteka izbrannoi liriki)

BELOKRYLOV, V.A. [There is no peace under the sun, a tale] Pod solntsem pokoia net, povest'. Moskva, Sov. Rossiia, 1956. 119 p. (IU)

BOGDANOV, N.V. [Soldier's porridge] Soldatskaya kasha. [Moskva, Malysh, 1957] 1 v. illus.

BOGOLEPOV, P., N. VERKHOVSKAIA, and M. SOSNITSKAIA. [Path to Pushkin] Tropa k Pushkinu. [Moskva, Detakata lit-ra, 1957] 557 p. (Shkol'naia biblioteka)

BOLTAEV, R., and B. FARRUKH, comps. [Our elder brother] Nash starshii brat. Red. P. A. Evteev, S. E. Shnerkin. [Dushanbe, Irifon, 1957] 263 p.

CHAPYGIN, A.P. [Idle people; a novel] Gulashchilo ludi; roman. [Moskva] Mosk. rabochii, 1957. 733 p.

CHIBOTARU, ARKHIP. [Verse] Versur'. Kishineu, Karla Moldovenaske, 1957. 130 p. [In Moldavian]

CHIKOVANI, S.I. [On the path of life; verse. Translated from the Georgian] Na zhiznennom puti; stikhi. [Moskva, Sov. pisatel', 1957. 115 p.

[CHILDREN OF THE REVOLUTION; stories] Deti revoliutsii; rasskazy. Moskva, Detakata lit-ra, 1957. 300 p. (Shkol'naia biblioteka)

CHONBASHEV, K.S. [Some types of Russian complex sentences and the apperlapping constructions of the Kirghiz language; a textbook for teachers, philology students, and translators] O nekotorykh tipakh slozhnopoluchennykh predlozhenii russkogo iazyka i sootvetstvuiushchikh im konstruktsiia kh v kirgizskom iazyke; posobie dlia uchitelei, studentov-filologov, perevodchikov. Frunze, Kirgizskoe gos. uchebno-pedagog. izd-vo, 1954. 81 p. (InU)

CHUKOVSKI, K.I. [Albion]. [Moskva] Malysh, 1956. 1 v. illus. (MosW)

[CONTRASTIVE GRAMMAR OF RUSSIAN AND KAZAKH, morphology] Sopostavitel'naiia grammatika russkogo i kazakhskogo iazykov, morfologiya. [Alma-Ata] Nauka [1956] 457 p.

- [LITERARY LEGACY] Literaturnoe nasledstvo. Red. D. D. Blagol i dr. Moskva, Nauka, Vol. 78. [I. S. Turgenev, new materials and research] I. S. Turgenev, novye materialy i issledovaniia. 1987. 791 p.
- LUPAN, ANDREI. [Verse] Veisui'. Kishinev, Karta Moldovenaske, 1987. 194 p. [In Moldavian]
- LYSTSOV, I. V. [The carnellian, verse] Serdolik, stikhi. Moskva, Sov. pisatel', 1987. 143 p.
- LYTVYNETS', M. I. [Red thunder, lyric poetry, poems, and translations] Chei vnyi him, lirika, poemy i pereklady. Kyiv, Molod', 1988. 141 p. (CU)
- MAIAKOVSKI, V. V. [Lyrics] Liliika, Moskva, Khudozh. lit-ra, 1987. 197 p.
- MAKSIMOV, M. D. [A letter to a contemporary] Pis'mo rovesniku. [Moskva] Glav. polit. upr. Sov. Armii i Voenno-Morskogo Flota, 1987. 46 p. (Biblioteka zhurnala "Sovetskii voln," no. 8 (555))
- MALOV, S. E. [Language of the Yellow Uigurs, texts and translations] Iazyk zholtykh uigurov; teksty i perevody. Moskva, Nauka, 1987. 218 p.
- MASHBASH, ISHAK. [The boxwood pipe, verse. Translated from the Adyge] Samshtovna i tubka, stikhi. [Moskva, Sov. Rossiia, 1986] 89 p. (Poeticheskii Rossiia)
- MASS, A. V. [The sun; a tale in nine novellas] Zhestokoe solntse; povest' v deviat' novellakh. [Moskva, Molodai gvardiia, 1987] 187 p. (Molodye pisateli)
- MATEVOSIAN, GRANT. [We and our mountains; tales. Translated from the Armenian] My i nashi gory, povesti. [Moskva, Molodai gvardiia, 1987] 318 p.
- MEL'CHUK, I. A., and R. D. RAVICH. [Machine translation, 1949-1983; a critical and bibliographic handbook] Avtomaticheskii perevod, 1949-1983; kritiko-bibliograficheski spravochnik. Pod red. G. S. TSvelga i E. K. Kuznetsova. Moskva, 1987. 515 p.
- MENOVSIKHKO, G. A. [Grammar of the language of the Ashuk Eskimos] Grammatika iazyka aziatkikh eskimov. Leningrad, Nauka. Pt. 2. [Verb, participle, adverb, auxiliary words] Glagol, priklasie, narechie, sluzhebno slova. 1987. 288 p.
- MESHCHANINOV, I. I. [Ergative construction in languages of different types] Ergativnaia konstruktsiia v iazykakh razlichnykh tipov. Leningrad, Nauka, 1987. 247 p.
- MIKHAILOV, R. M. [Man over the planet, a novel] Chelovek nad planetoi; roman. Leningrad, Detskai lit-ra, 1987. 527 p.
- MIL'TO, P. D. [On the hills of Manchuria; a tale] Na stepakh Man'chzhurii; povest'. Minsk, 1987. 54 p. (Biblioteka gazety "Molod Radzimy")
- MORKUS, ALBINAS. [Welcome home] Susitikimas. Vilnius, Vaga, 1985. 133 p. [In Lithuanian]
- MOROZO, O. N. [Ivan Franko, a seminar] Ivan Franko, seminar. Kyiv, Rad. shkola, 1986. 387 p.
- MORSHEN, NIKOLAI. [The colon] Dvostochie. Washington, V. Kamkin, 1987. 88 p.
- MURAV'EV, M. N. [Verse] Stikhotvoreniia. Vstup. stat'ia, podgotovka teksta i primchaniiia L. I. Kulakovoi. [Leningrad] Sov. pisatel', 1987. 385 p. (Biblioteka poeta. Bol'shina seria. 2 izd.)
- MYKOLAITIS, VINCAS. [The gift of existence. Translated from the Lithuanian] Dar butia. [Vilnius, Vaga, 1988] 242 p. (IU)
- ORDZHONIKIDZE, V. N. [Cities of our childhood] Goroda nashego detstva. Moskva, Detskai lit-ra, 1987. 285 p.
- OSIPENKO, ALES'. [The flaming azimuth, a novel] Ognennyi azimut; roman. Moskva, Sov. pisatel', 1987. 414 p.
- OSKOTSKI, V. D. [Paths of research and discoveries; the contemporary novel] Puti poiskov i otkryti; o romane nashikh dnei. Moskva, Znanie, 1987. 46 p. (Novoe v zhizni, nauke, tekhnike. Seria: Literatura, 6)
- PAN'KIN, I. F. [The beginning of one life, a tale] Nachalo odnoi zhizni; povest'. Moskva, Detskai lit-ra, 1987. 222 p.
- PANKRATOV, S. A. [Vakhrushev, tales] Vakhrushev; povesti. [Moskva, Molodai gvardiia, 1987] 331 p.
- PANTELEEV, A. I. [Selected works] Izbrannoe. Leningrad, Khudozh. lit-ra, 1987. 605 p.
- PEKHTELEV, I. G. [Hertzen, the literary critic] Gerisen - literaturnyi kritik. Moskva, Prosveshchenie, 1987. 193 p. (Biblioteka slovesnika)
- PERTSOV, V. Vsevolod Vlashevskii. Aleksandr Dovzhenko. Moskva, Pravda, 1987. 82 p. (Biblioteka "Ogonek," no. 8)
- POPOVSKIN, E. E. [How Katerina was chosen; stories] Kak vyibrali Katerinu, rasskazy. Moskva, Pravda, 1987. 62 p. (Biblioteka "Ogonek," no. 8)
- POZDNIakov, I. F. [Gania, a novel] Gania; roman. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1986. 253 p. (IU)
- POZHIDAEV, G. [The firebird's feather, sketches] Pero zhar-ptitsy, ocherki. Moskva, Krasnaia zvezda, 1987. 31 p. (Biblioteka "Krasnoi zvezdy," no. 6 (210))
- PRAYDUK, O. A. [T. H. Shevchenko and the musical folklore of the Ukraine] T. H. Shevchenko i muzychnyi folklor Ukrainy. Kyiv, Naukova dumka, 1986. 236 p.
- [PROBLEMS OF PHRASEOLOGY] Voprosy frazeologii. Tashkent, Nauka, 1985. 245 p.
- PROKOF'EV, A. A. [Clusters] Grozd'ia. [Leningrad, Sov. pisatel', 1987] 374 p.
- PROSKURIN, P. L. [Exodus, a novel] Iskhod; roman. Moskva, Khudozh. lit-ra, 1987. 95 p. (Roman-gazeta, no. 11 (383))
- PROSKURIN, P. L. [Exodus, a novel (conclusion)] Iskhod; roman (okonchanie). Moskva, Khudozh. lit-ra, 1987. 79 p. (Roman-gazeta, no. 12 (384))
- PURTSELDADZE, S. D. [Fundamentals in methods of teaching the Russian language in Georgian 8-year schools; a reading] Osnovy metodiki prepodavaniia russkogo iazyka v gruzinskoi vos'miletnei shkole; chtenie. Tbilisi, Ganatleba, 1986. 234 p.
- PUSHKIN, A. S. [Fairy tales] Skazki. Moskva, Detskai lit-ra, 1987. 62 p. illus. (Kniga za knigoi)
- RAEVSKII, BORIS, comp. [Fifty, a collection of stories] Plat' desiat, sbornik rasskazov. Leningrad, Detskai lit-ra, 1987. 285 p.
- RASSADIN, S. B. [Thus one begins to live by verse, a book about poetry for children] Tak nachinaet zhit' stikhom; kniga o poezii dlia detei. [Moskva, Detskai lit-ra, 1987] 316 p. (Dom detsko knigi)
- REEVE, RICHARD. [The cafe by the road; South African stories] Kafe u dorogi, iuzinafrikanskoe rasskazy. Moskva, Pravda, 1987. 62 p.
- [REPERTORY COLLECTION FOR AMATEUR ART ACTIVITIES] Repertuarnyi sbornik dlia khudozhestvennoi samodeitel'nosti. [Moskva] Izd-vo VTSPS Profizdal, 1985. 221 p. (MIDW)
- ROGAL', N. M. [At sunrise, a novel] Na voshkhole solntsa, roman. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1988. 556 p. (Biblioteka dal'nevostochnogo romana)
- ROMANENKO, A. S. [Roads; verse] Dorogi; stikhi. Donetsk, Donbass, 1986. 53 p. (Pervai kniga poeta) (IU)
- ROZHDESTVENNYI, R. I. [Vera's son; a new book of verse] Syn Verry; novai kniga stikhov. [Moskva] Molodai gvardiia, 1986. 158 p.
- RUSWA, MIRZA MOHAMMED HADI. [The dancing girl, a tale. Translated from the Urdu] Tantsovashchitsa, povest'. Moskva, Khudozh. lit-ra, 1987. 309 p.
- RUT'KO, A. I. [The enchanting star; a trilogy] Pleni-el'nai zvezda; trilogiia. Moskva, Sov. pisatel', 1987. 430 p.
- SAFONOV, V. A. [The unknown fresco; stories, notes on art] Nevedomai freska; rasskazy, zametki ob iskusstve. Moskva, Sov. pisatel', 1987. 255 p.
- ŠAPOVALOVAS, ANATOLIUS. [In the steppe near a burial mound] Stepeje, prie kurgano. Vilnius, Mintis, 1986. 79 p. [In Lithuanian]
- SEMANOV, V. I. [Lu Sin and his predecessors] Lu Sin' i ego predshestvenniki. Moskva, Nauka, 1987. 147 p.
- SEMENIUK, N. N. [The problem of the formation of norms of the German literary language of the 18th century] Problema formirovaniia norm nemetskogo literaturnogo iazyka XVIII stoletia. Moskva, Nauka, 1987. 299 p.
- SERGEEV-TSENSKII, S. N. [Collected works in twelve volumes] Sbranie sochinenii v dveradsati tomakh. Moskva, Pravda (Biblioteka "Ogonek") Vol. 5. 1987. 574 p.
- SHAKHANOV, TULCU. [The horse race; verse] Balga, stikhi. Alma-Ata, Zhazushy, 1986. 49 p.
- SHALAMOV, V. T. [The road and destiny, a book of verse] Doroga i sud'ba; kniga stikhov. Moskva, Sov. pisatel', 1987. 128 p.
- SHEREMET, MYKOLA. [Courage, verse and poems] Ba'orist', virshi i poemy. Kyiv, Dnipro, 1986. 313 p. (IU)
- SHEVCHENKO, T. H. [The bard] Kobzar. Kyiv, Dnipro, 1987. 573 p.
- SHISHKAN, K. B. [Verse] Sukhi. Kishinev, Karta Moldovenaske, 1987. 148 p.
- SHIVARTSMAN, FANNI. [My destiny; letters to a son (from birth to adolescence)] Moia sud'ba, pis'ma kaym (ot rozhdeniia do iunosti). Paris, izd-vo S. Berezniaka. Vol. 2. [1986] 378 p.
- SIKEMAE, ILMAR. [Clear eyes; a tale] Selged silmnd, pajatus. Tallinn, Eesti Raamat, 1987. 262 p. [In Estonian]
- [SILENCE ON THE AIRPORT, stories] Tishina na aerodrome, rasskazy. Moskva, Krasnaia zvezda, 1987. 31 p. (Biblioteka "Krasnoi zvezdy," no. 9 (213))
- SIZOVA, M. I. ["From flame and light"] "Iz plamii i sveta." [2. izd. Moskva] Molodai gvardiia, 1987. 523 p.
- SMOLINA, M. N. [Exercises on punctuation for the 8th grade, a manual for students] Tetrad' po punktatsii dlia VIII klassa, posobie dlia uchashchikhsia. Leningrad, Prosveshchenie, 1985. 114 p. (NIC)
- SOLOUKHIN, V. A. [Don't hide from the rain; verse] Ne priach'tes' ot dozhdiia; stikhi. Moskva, Pravda, 1987. 30 p.
- [SOVIET LITHUANIAN LITERATURE AND CRITICISM, 1961-1985, a bibliographic index] Tarybine lietuvu literatūra ir kritika 1961-1985, bibliografinis rodyklis. Vilnius, 1987. 333 p. [In Lithuanian]
- [THE STAGE] Estrada. Moskva, Sov. Rossiia. No. 2. ["Youth" on the air] V efire - "Iunost'." 1987. 117 p. (Biblioteka "V pomoshch' khudozhestvennoi samodeitel'nosti," no. 11)
- [STUDENT VARIETY SHOWS, a repertory collection] Estrada studentov; repertuarnyi sbornik. Moskva, Iskusstvo, 1987. 94 p. (Repertuar khudozhestvennoi samodeitel'nosti, 5)
- [TALES OF SUNNY YEARS; an anthology of Latvian children's prose] Saules gadu stasti; latvisku bernu prozas antologija. Riga, Liesma, 1988. 680 p. [In Latvian]
- TARASIUK, ILARION. [On the wings of faith, poetry] Na krylakhi viiry; poezi. Toronto, Naki, Khrystian-skoho vyd-va "Doroha pravdy," 1982. 183 p. (Doroha pravdy [vydannia] no. 24) (CU)
- [THEY WRITE US FROM THE COUNTRY] Nam pisut iz derevni, sbornik. Moskva, Sov. pisatel', 1987. 487 p.
- TRIAPKIN, N. I. [The loon flew; verse] Letela gagara, stikhi. Moskva, Pravda, 1987. 30 p. (Biblioteka "Ogonek," no. 12)
- TURCHYN'SKA, AHATA. [Litac herbs; tales] Buz'kovo zillia; povisti. Kyiv, Rnd, pys'menyk, 1986. 270 p. (IU) (IU)

- POLOVINKINA, I. I. [Texture and structure of igneous and metamorphic rocks] *Struktury i tekstury izverzhennykh i metamorficheskikh gornyykh porod* Moskva, Nedra, Pt 2, Vol. 1. [Igneous rocks] *Izverzhennyye porody* 1966 423 p.
- RESPUBLIKANSKOE SOVESHCHANIYE PO PROBLEME "USLOVIA FORMIROVANIYA I ZAKONOMERNOSTI RAZMESHCHENIYA NEFTI I YAZOVYKH MESTOROZHENIY NA TERRITORII USSR," 1965. [Abstracts of reports of the Republic Conference on the problem "Conditions of formation and regularities of distribution of oil and gas fields in the Ukraine"] *Tezisy dokladov* L'vov, 1965. 99 p.
- RYBACHUK, A. P. [Kolguev Island.] *Ostrov Kolguev*. [Moskva] *Molodaya gvardiya*, 1967. 128 p.
- SOLNTSEV, N. A., ed. [The entire Moscow area, geographical dictionary of Moscow Province] *Vse Podmoskov'e, geograficheskiy slovar' Moskovskoy oblasti*. Moskva, Mysl', 1967. 381 p. illus., map.
- [SOME METHODS AND ALGORITHMS FOR THE INTERPRETATION OF GEOPHYSICAL DATA] *Nekotorye metody i algoritmy interpretatsii geofizicheskikh dannykh*. Moskva, Nauka, 1967. 160 p.
- [STRATIGRAPHY AND PALEOGEOGRAPHY OF CRETACEOUS SEDIMENTS OF THE EASTERN CAUCASUS AND ADJACENT AREAS OF THE VOLGA-URAL REGION] *Stratigrafiya i paleogeografiya melovykh otlozheniy Vostochnogo Kavkaza i prilozhushchikh rayonov Volgo-Uralskoy oblasti*. Moskva, Nauka, 1967.
- [TECTONICS OF EURASIA, explanatory notes to the tectonic map of Eurasia made on a 1:5,000,000 scale] *Tektonika Evrazii, ob'iasniel'naya zapiska k Tektonicheskoj karte Evrazii, m-b 1:5 000 000*. Moskva, Nauka, 1966. 486 p. diagrs., map.
- [TECTONICS OF OIL- AND GAS-BEARING PROVINCES IN SIBERIA] *Tektonika neftegazonosnykh oblastei Sibiri*. Moskva, Nauka, 1967. 163 p.
- URIN, VALENTIN. [The Volga] *Volga*. Moskva, Sov. khudozhnik [1964] 148 p. (chiefly illus.)
- [VITEBSK] *Vitebsk*. [Minsk, "Belarus," 1966] 1 v. (chiefly illus.)
- VOLEVAKHA, M. M., and M. I. HOBA. [Energy resources of the climate of the Ukraine] *Energeticheskiye resursy klimata Ukrainy*. Kyiv, Naukova dumka, 1967. 131 p.
- ### 13. SCIENCE
- [ACCURACY OF DETERMINING THE ENERGY OF GAMMA QUANTA IN A XENON BUBBLE CHAMBER] *O tochnosti opredeleniya energii γ -kvantov v ksenonovoi puzyr'kovoii kamere*. [By] L. A. Ivanovskaya i dr. [Dubna, 1967] 15 p.
- [ACHIEVEMENTS OF MODERN MICROBIOLOGY AND VIROLOGY] *Dostizheniya sovremennoi mikrobiologii i virusologii*. [By] G. F. Gauze i dr. Moskva, Znanie, 1967. 83 p. (Novoe v zhizni, nauke, i tekhnike, VIII Seriya Biologiya, 5)
- AKHMEDOV, E. M. [Presentation of A.-K. Bakikhanov's cosmographic ideas] *Izlozheniye kosmograficheskikh vozzreniy A.-K. Bakikhanova*. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1967. 70 p.
- ALEKSIDZE, M. A., and K. V. PERTALIA. [Universal programs for solving the Dirichlet problem for Laplace and Poisson equations] *Universal'nye programmy resheniya zadach Dirikhle dlia uravnenii Laplasa i Pواسونا*. Tbilisi, Metsniereba, 1966. 80 p.
- [ANGULAR CORRELATION OF GAMMA QUANTA PRODUCED BY THE STOPPING OF NEGATIVE PIONS IN HYDROGEN] *Uglovaya korrelyatsiya γ -kvantov, obrazushchetsya pri ostanovke π^- -mezonov v vodorode*. [By] I. M. Vasilevskii i dr. [Dubna, 1967] 66 p.
- [ANGULAR DISTRIBUTION OF CHARGED PARTICLES FROM THE REACTION $O^{16} + T$ IN THE ENERGY RANGE 0.9 TO 1.7 MeV] *Uglovoye raspredeleniye zarizhennykh chastits iz reaktsii $O^{16} + T$ v intervalle energii ot 0.9 do 1.7 Mev*. [By] A. P. Kobzev i dr. Dubna, 1967, 29 p.
- ASADOV, KHAIDAR. [Students' independent work in mathematics] *Kori mustaqillona khamondagon az matematika; dasturi metodi baroi muallimoni matematika maktabhoi hashisola*. Dushanbe, Irfon, 1967. 74 p. [In Tajik]
- ATANASIAN, V. A., N. I. VILENKIN, and M. L. SMOLLANSKII. [Special divisions of mathematical analysis; differential geometry, Fourier series, and the equations of mathematical physics. Textbook for a course in mathematical analysis] *Spetsial'nye glavy matematicheskogo analiza; differentsial'naya geometriya, riady Fur'e i uravneniya matematicheskoi fiziki*. Uchebnoe posobie po kursu matematicheskogo analiza. Pod red. N. I. A. Vilenkina. Moskva, Prosveshchente, 1966. 165 p.
- AVRAMENKO, V. G., B. V. KLEEV, and N. N. SUVOROV. [Organic chemistry] *Organicheskaya khimiya*. [Moskva] *Vysshaya shkola*, 1967. 210 p.
- BARBASHOV, B. M. [S-matrix in the two-dimensional model of the Born-Infeld field] *S-matriitsa v dvukh-mernoi modeli polya Borna-Infel'da*. [Dubna, 1967] 22 p.
- BATUEV, A. S., and I. P. NIKITINA. [Little laboratory manual on the physiology of man and animals] *Malyy praktikum po fiziologii cheloveka i zhivotnykh*. Pod red. E. Sh. Aliapet'iantsa. Moskva, Vysshaya shkola, 1967. 295 p.
- BRODIANSKII, V. M. [Thermodynamic analysis of low-temperature processes, abstract of lectures] *Termodynamicheskiy analiz nizkoterpurnykh protsessov, konspekt lektsii*. Redaktor I. A. Sokolov. Moskva, 1960. 178 p.
- [CAPTURE OF NEGATIVE PIONS BY CARBON NUCLEI, AND THE TETRANEUTRON] *Zakhvat otritsatel'nykh π -mezonov yadrami ugleroda i tetraneutron*. [By] I. A. Batusev i dr. [Dubna, 1967] 7 p.
- [COLLECTION OF ALGORITHMS AND PROGRAMS FOR SOLUTION BY MEANS OF ELECTRONIC DIGITAL COMPUTERS] *Sbornik algoritmov i programmi dlia resheniya na ETSVM*. Pod red. M. G. Rappoport. Moskva, Statistika, 1967. 197 p.
- [COMPLEX COMPOUNDS OF SOME TRANSITION AND RARE ELEMENTS] *Kompleksnye soedineniya nekotorykh perekhodnykh i redkikh elementov*. Tbilisi, Metsniereba, 1966. 113 p.
- DAO-VONG-DUC, NGUYEN-VAN-HIEU, and A. N. TAVKHELIDZE. [Cutoffs in the complex 1-plane and the behavior of cross sections of inelastic processes] *Razi ezy v kompleksnoi 1 - ploskosti i povedenie sechenii neuprugikh protsessov*. [Dubna, 1967] 8 p.
- DEICH, A. N. [Planets of other worlds] *Planety drugikh mirov*. Leningrad, 1967. 31 p.
- [DETERMINING THE URANIUM CONCENTRATION AND ITS SPATIAL DISTRIBUTION BY VARIOUS MINERALS AND ROCKS] *Opredeleniye kontsentratsii urana i ego prostanstvennoye raspredeleniye v razlichnykh mineralakh i gornykh porodakh*. [By] I. G. Berzina i dr. [Dubna, 1967] 26 p.
- DZIDZIGURI, A. A., and others. [Thermophysical characteristics of rocks and methods of determining them] *Terfizicheskiye kharakteristiki gornykh porod i metody ikh opredeleniya*. Tbilisi, Metsniereba, 1966. 227 p.
- EFIMENKO, T. G., V. P. ZHIGUNOV, and B. N. ZAKHAR'EV. [Reactions involving particle redistribution] *Reaktsii s pereraspredeleniem chastits*. [Dubna] Pt. 2. [Multichannel coupling method] *Metod mnogokanal'noy svyazi*. [1967] 16 p.
- EFIMOV, Z. F. [Elements of the Lagrangian formalism of electromagnetic interactions] *K osnovam lagranzheva formalizma elektromagnitnykh vzaimodelstviy*. Frunze, Mektep, 1966. 104 p.
- [EXPERIMENTAL STUDY OF PARTICLES] *Eksperimental'nye issledovaniya chastits; sbornik statei*. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauke, i tekhnike, IX Seriya Fizika, astronomiya, 6)
- FLEROV, G. N., and others. [On the properties of the isotope 102^{255}] *O svoystvakh izotopa $^{255}_{102}$* . [Dubna, 1967] 7 p.
- [FLUCTUATIONS OF IONIZATION LOSSES; tables] *Fluktuatsii ionizatsionnykh poter'; tablitsy*. [By] B. M. Golovin i dr. [Dubna, 1967] 179 p.
- [FOREST ENTOMOLOGY] *Lesnaya entomologiya*. [By] N. N. Padil i dr. Moskva, Lesnaya promyshl, 1965. 359 p. (ICF)
- FRANK-KAMENETSKII, D. A. [Diffusion and heat transfer in chemical kinetics] *Diffuziya i teploperedacha v khimicheskoi kinetike*. 2. dop. i perep. izd. Moskva, Nauka, 1967. 490 p.
- [FRUIT ANATOMY AND ULTRASTRUCTURE] *Anatomiya i ultrastruktura plodov*. Kishinev, Karla Moldovenaske, 1966. 84 p.
- [THE FUTURE OF SCIENCE] *Budushchee nauki*. [Moskva] *Znanie*, 1966. 282 p. (Perspektivy, gipotezy, nereshennyye poblemy)
- GAN'SHIN, V. N. [Geometry of the earth ellipsoid] *Geometriya zemnogo ellipsoida*. Moskva, Nedra, 1967. 114 p.
- GAREEV, F. A., S. P. IVANOVA, and B. N. KALINKIN. [Accuracy of calculating the one-particle states of deformed nuclei] *O tochnosti vychisleniya odnochastichnykh sostoyaniy deformirovannykh yadri*. [Dubna, 1967] 10 p.
- GAREEV, F. A., S. P. IVANOVA, and B. N. KALINKIN. [Spin-orbital interaction in heavy deformed nuclei] *Spin-orbital'noe vzaimodelstvie v tiazhelykh deformirovannykh yadrukht*. [Dubna, 1967] 11 p.
- GENES, V. S. [Some simple methods of cybernetic processing of the data of diagnostic and physiological studies] *Nekotorye prosiye metody kiberneticheskoi obrabotki dannykh diagnosticheskikh i fiziologicheskikh issledovaniy*. Moskva, Nauka, 1967. 207 p.
- GOKHMAN, A. V., and others. [Problems in mathematical logic and algebra of sets] *Sbornik zadach po matematicheskoi logike i algebre mnozhestv*. [Saratov] *Izd-vo Saratovskogo univ.*, 1965. 85 p.
- GOL'BERT, K. A., and M. S. VIGDERGAUZ. [Course in gas chromatography] *Kurs gazovoi khromatografii*. Moskva, Khimiya, 1967. 400 p.
- GORELIK, S. S. [Recrystallization of metals and alloys] *Rekristallizatsiya metallov i splavov*. Moskva, Metallurgiya, 1967. 402 p.
- GRIGOR'EV, G. M., and L. S. MARKHASEV. [Voyage into the land of molecular biology] *Puteshestvie v stranu MOB*. Leningrad, Delesska lit-ra, 1967. 200 p.
- GUKHMAN, A. A. [Application of the theory of similitude to the study of heat-mass exchange processes; transfer processes in a moving medium] *Primeneniye teorii podobiya k issledovaniyu protsessov teplo-massobmena; protsessy perenosa v dvizhushchetsya srede*. Moskva, Vysshaya shkola, 1967. 302 p.
- ISABAEV, KALMUKAN. [Flight of the falcon, a novel] *Sunggar samghauy; roman*. Almaty, Zhazushy, 1966. 143 p. [In Kazakh]
- ISAEV, B. M., and I. I. BREGADZE. [Neutrons in the radiobiological experiment] *Neitrony v radiobiologicheskoi eksperimente*. Moskva, Nauka, 1967. 292 p. (Fizika zhiznennykh protsessov)
- IUSICHENKO, V. T. [Always with you; a novel] *Vsegda s toboyu roman*. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1967. 400 p.
- IVANITSKII, G. P., L. L. LETINSKAYA, and V. L. SHKHIMATOVA. [Automatic analysis of microscopic objects] *Avtomaticheskii analiz mikroob'ektov*. Moskva, Energiya, 1967. 222 p.
- KALKHMAN, I. L. [Linear algebra and programming] *Lineinaya algebra i programmirovaniye*. Moskva, Vysshaya shkola, 1967. 427 p.
- KAN, S. I. [People who look ahead] *Vperedsmotritel'shche*. Leningrad, Gidrometeoizdat, 1967. 140 p.
- KARASEVA, V. E. [Everyone celebrates the New Year] *Vse vstrechali Novyy god*. Moskva, Detskaya lit-ra, 1967. 15 p. illus.
- KARATEEFF, M. [The iron-willed lame man; an historical novel on the epoch of Timur's conquests (end of the 14th and the beginning of the 15th century). Zheleznyi khromets; istoricheskii roman epokhi zavoevaniy Timura (konets 14-rakulo 15 vv.)]. Paris, Voenno-istoricheskoe izd-vo "Tanais", 1967. 241 p.
- KARPOV, E. V. [A bit of good, stories] *Krupitsa dobra; rasskazy*. Moskva, Sov. Rossiya, 1967. 46 p. (Kоротkie povesti i rasskazy)
- KATAEV, V. P. [Tales. The lone white satl, I am the son of the people, The son of the regiment] *Povesti: Belei parus odinokii, Ya syn naroda, Syn polka*. Moskva, Detskaya lit-ra, 1967. 582 p. (Zolotaya biblioteka; izbrannyye proizvedeniya dlia detei i iunoshestva)

[SOVIET BOOKS ON WHITE RUSSIA, bibliography, 1946-1963] Savetskaya kniha pro Belarus', bibliografiya, 1946-1963. Minsk, Knizhnaya palata BSSR. Pl. 2 [Nature] Priroda, 1965, 126 p.

STAROSELSKAYA-NIKITINA, O.A. [Ernest Rutherford, 1871-1937] Ernest Rezerford, 1871-1937. Moskva, Nauka, 1967. 315 p. (Nauchno-biograficheskaya seriya)

[STORIES AND FAIRY TALES OF RUSSIAN WRITERS] Rasskazy i skazki russkikh pisatelei. Moskva, Det'skaya lit-ra, 1967. 157 p. (Shkol'naya biblioteka)

STREKHIN, I.U. F. [Friends are recognized in battle, stories about frontline comrades] Druz'ia poznaiutsia v boiu; rasskazy o frontovykh tovarishchakh. Moskva, DCSAAF, 1966. 172 p.

STREPIKHEEV, A.A., V.A.DEREVIKSKAYA, and G.L. SLONIMSKI. [Principles of the chemistry of macromolecular compounds] Osnovy khimii vysokomolekulyarnykh soedinenii. Izd. 2. [Moskva, Khimtia, 1966] 513 p.

[STUDY ON THE $Tb^{160} \rightarrow Dy^{160}$ decay] Issledovanie raspada $^{160}Tb \rightarrow ^{160}Dy$. [By] I.A. Vrzal'ts. [Dubna, 1967] 38 p.

SUBBOTINA, E.P. [Collection of physical constants and parameters, reference book for university students of chemistry and other natural sciences] Sbornik fizicheskikh konstant i parametrov, spravochnik dlia studentov khimicheskikh i drugih estestvennykh fakul'tetov universitetov. Pod red. M.F. Vuksa. [Leningrad] Izd-vo Lening. univ., 1967. 147 p.

[THEORETICAL PROBLEMS OF BIONICS] Teoreticheskie voprosy bioniki. Tbilisi, Metsnereba, 1966. 156 p.

[THRESHOLD CHERENKOV COUNTER WITH A PERSPEX RADIATOR] Porogovyi cherenkovskii schetchik s radiatorom iz pleksiglasa. [By] V.I. Petrukhin i dr. [Dubna, 1967] 17 p.

TUTKALO, I.M. [Chemistry] Khimtia. Vyd. 2., dopovnenie i perer. Kyiv, Urozhai, 1966. 654 p.

TURICHEN, I.A. [Tale about courage] Povest' o muzhestve. Moskva, Znanie, 1967. 63 p. (Novoe v zhizni, muze, tekhnika. X Seriya; Molodezhnaya, 9)

[TUVINIAN FOLK TALES] Tuvinskie narodnye skazki. Moskva, Det'skaya lit-ra, 1967. 77 p. illus. (Shkol'naya biblioteka)

UNIVERSITET DRUZHBY NARODOV. [Second Scientific Conference of the Faculty of Physics, Mathematics, and Natural Sciences, May 24-30. Mathematics Section. Abstracts of papers] Vtoraya nauchnaya konferentsiya fakul'teta fiziko-matematicheskikh i estestvennykh nauk, 24 maya-30 maya. Sektoria matematiki. Tezisy dokladov. Moskva, 1966. 78 p.

VOLODKO, A.G., and others. [Note on $(\Delta p)^*$ - resonance] Zamechaniia o $(\Delta p)^*$ - rezonanse. [Dubna, 1967] 22 p.

VORONIN, F.N. [White Russian fauna and conservation; vertebrates] Fauna Belorussii i okhrana prirody; pozvonocnyye. Minsk, Vysshishaya shkola, 1967. 422 p.

VOZNESENSKII, V.L. [Conductometric device for measuring photosynthesis and plant respiration under field conditions] Konduktometricheski pribor dlia izmereniia fotosinteza i dykhania rastenii v polevykh usloviakh. Leningrad, Nauka, 1967. 45 p.

VSESOUZNYI INSTITUT EKSPERIMENTAL'NOI ENDOKRINOLOGII. [The Second Scientific Conference of Young Endocrinologists, materials, March 20-29, 1963] Vtoraya nauchnaya konferentsiya molodykh uchennykh, materialy... 20-29 maya 1963 g. Moskva, 1963. 104 p. (DNLM)

VULIKH, B.Z. [Introduction to functional analysis] Vvedenie v funktsional'nyi analiz. Izd. 2., perer. i dop. Moskva, Nauka, 1967. 415 p.

ZAIKOV, R.P., and D.TS. STOIANOV. [Allowing for three-particle forces between quarks in high-energy hadron scattering] Ob uchete trekhchastichnykh sil mezhdu kvarkami pri vysokoenenergeticheskoi rasseianii adronov. [Dubna, 1967] 6 p.

ZAVARZIN, G.A. Aleksandr Aleksandrovich Imshenetski. Bibliografiia sostavlena L.M. Zhukov. Moskva, Nauka, 1967. 82 p. (Materialy k bibliografiim uchennykh SSSR. Seriya biologicheskikh nauk. Mikrobiologiya, no. 3)

14. MEDICINE

ASTRAKHANSKII MEDITSINSKII INSTITUT. [Problems in gastroenterology and cardiology, materials of a province conference of theapologists] Voprosy gastroenterologii i kardiologii, materialy oblasti konferentsii terapevtov Astrakhan', Volga, 1964. 175 p. (DNLM)

BRUSILOVSKII, I.A., and V.N. MILOSLAVSKII. [Saki, regional study] Saki, kraevedcheski ocherk. [Izd. 2., ispr. i dop.] Simferopol', "Krym," 1967. 87 p.

BUL', P.I. [Medicine and religion on "miraculous healings"] Meditsina i religia o "chudesnykh istsele-niakh" Leningrad, 1967. 31 p.

DINABURG, A.D., and others. [Diseases of the nervous system in degenerative processes of the spine] Zabolovanie nervnoi sistemy pri degenerativnykh protsessakh pozvonochnika. Kiev, Zdorov'ia, 1967. 387 p. (DNLM)

[FORENSIC PSYCHIATRY] Sudebnaya psikhiafrika. Moskva, Urid. lit-ra, 1967. 431 p.

[HEALTH OF THE CHILD] Zdorov'e rebenka. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 301 p. illus.

KIBARDIN, LEONID. [Half a century; reminiscences of an old doctor] Polveka; vospominaniia starogo vracha. [Aroslav], Verkhne-Volzhskoe knizhnoe izd-vo, 1967. 155 p.

LAPIDUS, F.I. [X-ray diagnosis of diseases of the facial skull; roentgenography and tomography] Rentgenodiagnostika zabolovanii litsevoego cherepa; rentgenografiia i tomografiia. Kiev, Zdorov'ia, 1967. 135 p. (Biblioteka prakticheskogo vracha) (DNLM)

MOSCOW. Pervyi MEDITSINSKII INSTITUT. Kafedra sudebnoi meditsiny. [Methodological advice for practical work on forensic medicine in medical institutes] Metodicheskie ukazaniia k provedeniiu prakticheskikh zaniatii po sudebnoi meditsine v meditsinskikh institutakh. Izd. 2., perer. i dop. Pod red. S.N. Iagubova. Moskva, Gos. izd-vo med. lit-y, 1963. 49 p. (MH-L)

MOSKOVSKAYA KLINICHESKAYA BOL'NITSA NO. 60. [Materials of the Enlarged Scientific Conference of Moscow Clinical Hospital No. 60] Materialy Rasshirennoi nauchnoi konferentsii. Moskva, 1965. 166 p. (Voprosy klinicheskoi geriatrii "Starenie i zabolevaniia") (DNLM)

NAUCHNO-PRAKTICHESKAYA KONFERENTSIYA PO VOPROSAM KURORTOLOGII, PO SVIASHCHENNAIA 25-LETIU LITOVSKOI SSR, Druskininkai, 1965. [Materials of the Scientific and Practical Conference on Problems of Health Resort Therapy Dedicated to the 25th Anniversary of the Lithuanian S.S.R.] Materialy. Vilnius, 1965. 238 p.

OB'EDINENNAIA NAUCHNAIA KONFERENTSIYA MEDITSINSKOI I NAUCHNO-ISSLEDOVATEL'SKIIH INSTITUTOV G. ROSTOVA-NA-DONU, 3d, 1966. [Reports of the 3d United Scientific Conference of the Medical and Scientific Research Institutes of the City of Rostov-on-Don] Doklady. Rostov-na-Donu, 1966. 364 p.

TSENTRAL'NYI INSTITUT USOVERSHENSTVOVANIA VRACHEI. [Problems of cardiovascular pathology; transactions of the institute] Voprosy serdечно-sosudistoi patologii; trudy instituta. Pod red. A.Z. Chernova. Moskva, 1963. 329 p. (DNLM)

VILAVIN, G.D., and A.I. NAZARENKO. [Pathogenic principles of conservative and surgical treatment of peptic ulcer (gastric and duodenal)] Patogeneticheskie printsipy konservativnogo i operativnogo lecheniia izvennoi bolezni (zheludka i dvenadtsiperstnoi kishki). [Leningrad] Meditsina, 1960. 197 p. (DNLM)

ZURABASHVILI, A.D. [Some clinical and theoretical researches in psychiatry. Nekotorye kliniko-teoreticheskie iskanitia v psikhiafrii. Tbilisi, Sabchola Sakartvelo] 1965. 235 p. [In Georgian] (DNLM)

15. AGRICULTURE

BAMBERGS, K., and A. BALODE. [Microelements in vegetable gardening] Mikroelementi darzenkopiba. Riga, Liesma, 1965. 128 p. [In Latvian]

BELIAEV, I.T. [Prospective planning of agriculture; constructive method] Perspektivnoe planirovanie sel'skogo khoziaistva; konstruktivnyi metod. Izd. 2., perer. i dop. [Leningrad] Lenizdat, 1967. 134 p.

BOBOV, S.S. [Physics in agriculture] Fizika v sel'skom khoziaistve. Minsk, Urozhai, 1966. 114 p.

BORODA, A.E., and E.A. SOSNOVSKII. [For active yearling fishing] Za aktivnyi krugogodovoi lov ryby. [Khar'kovsk] Kharkovskoe knizhnoe izd-vo, 1965. 15 p.

CORBETT, JAMES EDWARD. [The temple tiger. Translated from English] Khramovyi tigr. Moskva, Nauka, 1964. 143 p. (CU)

[DYSPEPSIA IN YOUNG ANIMALS; a bibliographic list of Soviet literature comprising 311 items and foreign literature comprising 28 items for 1960-1968] Dispepsiia molodnitsa, bibliograficheski splosk otechestvennoi literatury v kollektive 311 nazvani i inostrannoi literatury v kollektive 28 nazvani za 1960-1968 gg. Moskva, 1960. 50 p.

FEDOROV, P.A. [Experiments in agricultural chemistry, a manual for teachers] Agrokhnicheskoe opytie po khimii; posobie dlia uchitelei. Moskva, Prosveshchenie, 1965. 110 p.

GLUSHCHENKO, E.I.A., and A.I. STREKALOVA. [Tomatoes] Tomaty. Leningrad, Kotos, 1966. 80 p. (Biblioteka ovoshchevoda) (DNAL)

[INDEX OF MONOGRAPHS, PERIODICALS, AND NEWSPAPER ARTICLES ON AGRICULTURE FOR THE YEAR 1912; based on materials by A.D. Pedashenko] Ukazatel' knig, zhurnal'nykh i gazetnykh statei po sel'skomu khoziaistvu za 1912 god; po materialam A.D. Pedashenko. Moskva. Vol. 1. 1966. 97 p.

INTERNATIONAL BEEKEEPING CONGRESS, 20th. Bucharest, 1965. [Papers delivered at the 20th Jubilee International Beekeeping Congress] XX Iubileinyi mezhnatsionnyi kongress po pchelovodstvu, [doklady]. Moskva, Kotos, 1965. 366 p. (DNAL)

ISAKOV, V.N. [New developments in fishing with BMRT and RTM-type vessels, work practices of the Kaliningrad Trawling Fleet Base] Novoe v dobyche ryby sudami tipa BMRT i RTM, iz opyta raboty Kaliningradskoi bazy tralovogo flota. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1966. 48 p. (Biblioteka rybaka)

TURKEVICH, I.D. [Seasonal development of the ordinary spruce] Sezonnoe razvitiie eli obychnoy. Minsk, Nauka i tekhnika, 1960. 69 p. (DNAL)

KARPANEN, D.P., and A.P. IVANOV. [Fish culture; a textbook for technical schools] Rybovodstvo; uchebnik dlia tekhnikumov. Moskva, Pishchevaia promyshl., 1967. 370 p.

KUNDIEV, I.U., and A.Z. MAMSIKOV. [Work hygiene in agriculture] Gigiena truda v sel'skom khoziaistve. Moskva, Znanie, 1967. 30 p. (Narodnyi universitet; Fakul'tet zdorov'ia, 11)

KURDIUK, M.G. [Krasnokutsk dendrological park; a guidebook] Krasnokutskii dendropark; putevoditel'. Khar'kov, Prapor, 1966. 106 p.

LUKIN, V.P. [Mechanization of trawling from SRT type boats] Mekhanizatsiia promysla na SRT. [Murmanski] Murmanskoe knizhnoe izd-vo, 1966. 150 p. (Biblioteka promyslovika)

NAUCHNO-PROIZVODSTVENNAIA KONFERENTSIYA PO BOR'BE S BOLEZNIAMI RYB V KAZAKHSTANE I RES-PUBLIKAKH SREDNEI AZII, Alma-Ata, 1966. [Fish diseases and their control; materials] Bolezni ryb i mery bor'by s nimi; materialy. Alma-Ata, Nauka, 1966. 150 p.

[OVERALL MECHANIZATION OF THE STORAGE OF ROUGHAGE] Kompleksnaya mekhanizatsiia zagotovki grubyykh kormov. Moskva, Kotos, 1967. 43 p.

[PHYSIOLOGICAL PRINCIPLES OF INCREASING PLANT RESISTANCE AND THE FIELD GERMINATION RATE IN SIBERIA] Fiziologicheskie osnovy povysheniia ustoiчивosti rastenii i polevoi vskhozheati semian v Sibiri. Moskva, Nauka, 1967. 102 p.

- EFREMOV, S.I. [Reconditioning tool equipment] Vostanovlenie instrumental'noi osnastki Gor'kil, Volgostanskoe knizhnoe izd-vo, 1966. 101 p.
- ELETSKII, I.K. [Microbiology of bread and pasty] Mikrobiologiya khleba i mучnykh konditserskikh izdelii. Moskva, Pishchevaia promyshl., 1967. 101 p. (Uchebnoe posobie dlia podgotovki kadrov massovykh professii)
- ELINSON, M.P. [Production of artificial porous aggregates] Proizvodstvo iskusstvennykh poristyykh zapolnitel'el. Pod red. V.I. Ovsiankina. Moskva, Stroiizdat, 1967. 211 p.
- ELSHIN, I.M. [Cementless concrete (made with furfural-acetone monomer)] Plastbeton (na monomere FA) Kiev, Budivelnik, 1967. 125 p.
- ERMOLAEVA, Z.L., and N.F. MASANOV [Electric wiring of residential buildings, schoolhouses and kindergartens] Elektrika ovodov v zhilykh, detskikh i shkol'nykh sooruzheniyakh. Moskva, Energiia, 1967. 247 p.
- ESAKOV, V.P. [Contactless control of electrical drives, a textbook] Beskontaktnoe upravlenie elektropivodami, uchebnoe posobie. Leningrad, 1966. 66 p.
- EVDOKIMOV, V.A., and I.U. SAPERSON. [Transportation systems for large structural elements] Transportnye sredstva dlia peremeshcheniya i uprazhneniya stroytel'nykh detal'el. Leningrad, Stroiizdat, 1967. 128 p.
- [EVEN DELIVERY OF FIBERS TO THE CARDING MACHINE WITH A HOPPER FEED] Ravnomye nafa podataka volokna v chesal'niku mashinu a bunkernym pitaniem. Moskva, 1966. 37 p.
- FEDOTOV, A.I. [Measuring devices of machine tools] Izmeritel'nye ustroystva metallo-obrabatnyvalushchikh stankov. [Leningrad] Lenzdat, 1967. 279 p.
- FEL'DSTEIN, L.M. [Filters of equipment of enterprises of the petroleum and petrochemical industries] Slesar'-montuzhnik oborudovaniya predpriyatii neftekhimicheskoi promyshlennosti. Moskva, Stroiizdat, 1967. 366 p. (Seria prakticheskikh posobie po povysheniyu kvalifikatsii v promyshlennom stroitel'stve)
- FILIPPOV, A.P., and S.S. KOKHMANUK. [Dynamics effect of movable loads on beams] Dinamicheskoe vozdeystvie podvizhnykh nagruzok na sterzhni. Kiev, Naukova dumka, 1967. 130 p.
- FLESHER, S.M. [New developments in tube-type broadcast receivers] Novoe v lampovykh radioveselitel'nykh prilozheniyakh. Izd. 2., perev. Moskva, Energiia, 1967. 118 p. (Moskva radiofizicheskii, no 616)
- FOTIEV, M.M., A.D. IARIZOV, and L.I. TOLPEZHNIKOV. [Principles of automating mining enterprises] Osnovy avtomatizatsii gornykh predpriyatii. Pod red. V.S. Tullia. Moskva, Vysshaya shkola, 1967. 342 p.
- [FRANCE; a survey] Frantsiya; obzor. Moskva, 1966. 13 p. (Standartizatsiya za rubezhom)
- FRENKEL', M.I. [Industrial training of drilling machine operators] Proizvodstvennoe obuchenie svoirovshchikov. Moskva, Vysshaya shkola, 1967. 70 p.
- GADZHILY, S.S. [Reliability and safety in operating electrical equipment] Nadezhnost' i bezopasnost' ekspluatatsii elektrobudovaniia. Izd. 3., perev. 1 dop. Moskva, Energiia, 1967. 199 p.
- GAENKO, L.M. [Methods for calculating and determining optimum running-in conditions of motor-vehicle diesel engines after overhauling] Metodika rascheta i opredeleniia optimal'nogo rezhima pri nabivke avtomobil'nykh dizel'nykh dyzlatelei posle kapital'nogo remonta. Moskva, Transport, 1967. 66 p.
- GALAKTIONOVA, N.A. [Hydrogen in metals] Vodorod v metalakh. Izd. 2., perev. 1 dop. Moskva, Metallurgiya, 1967. 302 p.
- GAL'PERIN, A.I. [Machines and equipment for pipe bending] Mashiny i oborudovanie dlia gnut'ia trub. Izd. 2., perev. 1 dop. Moskva, Mashinostroyeniye, 1967. 179 p.
- GAL'PERIN, M.L. [Wooden supports of electric power transmission lines] Derevyannye opory lini elektroperedachi. Moskva, Energiia, 1967. 192 p.
- GEILER, L.P. [Introduction to the theory of automatic control] Vvedenie v teoriyu avtomaticheskogo regulirovaniia. Minsk, Nauka i tekhnika, 1967. 525 p.
- GERASIMOV, S.G. [Theoretical fundamentals of automatic regulation of thermal processes] Teoreticheskie osnovy avtomaticheskogo regulirovaniia teplovykh processov. Moskva, Vysshaya shkola. Pt. 1 [General theories and concepts] Obshchie polozheniia i poniatia. 1967. 206 p.
- GERASIMOV, V.V. [Corrosion of aluminum and its alloys] Korrozia aluminia i ego spлавov. Moskva, Metallurgiya, 1967. 113 p.
- [GERMAN FEDERAL REPUBLIC, a survey] FRG, obzor. Moskva, 1967. 33 p. (Standartizatsiya za rubezhom)
- GINZBURG, D.B. [Glass furnaces] Steklovarennye pechi. Moskva, Stroiizdat, 1967. 339 p.
- GINZBURG, M.B. [Safety engineering in the selective refining, desalting, and dewaxing of lubricating oils] Tekhnika bezopasnosti pri selektivnoi ocheistke, deasfal'tizatsii i deparafinatsii smazochnykh masel. Pod red. V.P. Kusheleva. Moskva, Khimtia, 1967. 167 p. (Biblioteka molodogo rabochego)
- GLEZER, G.N., I.M. OPARN, and E.L. KHEIMAN. [Electronic ignition systems for motor vehicles] Elektronneye sistemy zashiganiia avtomobilet. Moskva, Mashinostroyeniye, 1967. 158 p.
- GLUSHKOV, G.I. [Statics and dynamics of underground structures] Statika i dinamika sooruzhenii, zagrublennykh v grunt. Moskva, Stroiizdat, 1967. 210 p.
- GOROKHOV, P.K., ed. [Russian-French dictionary on radio electronics. Approximately 23,000 terms] Russko-frantsuzskii slovar' po radioelektronike. Okolo 23 000 termimov. Moskva, Sov. Entsiklopedia, 1967. 432 p.
- GORSHENINA, G.I., and N.V. MIKHAILOV. [Polymers bitumens (insulating materials)] Polimer-bitumnye izolatsionnye materialy. Moskva, Nedra, 1967. 230 p.
- [GREAT BRITAIN, a survey] Velikobritaniia; obzor. Moskva, 1966. 19 p. (Standartizatsiya za rubezhom)
- GREIM, I.A. [Use of telescope lenses in increasing the accuracy and reliability of optomechanical measuring instruments] Povyshenie tochnosti i nadezhnosti optiko-mekhanicheskikh izmeritel'nykh priborov putem primeneniia v nikh teleskopicheskikh linz. Leningrad, 1967. 37 p. (Leningradskii dom nauchno-tekhnicheskoi pi opagandy. Nauchno-tekhnicheskii opyt. Seria. Uuchashenie kachestva, povyshenie nadezhnosti i dolgovечnosti mashin, priborov, elektronnoi i radioelektronnol apparatury)
- GRINBLAT, I.A.A. [Handbook for calculating time and cost norms for working and moving ground to various distances using bulldozers, scrapers, and graders] Posobie dlia rascheta norm vremeni i iastenok na raznoblaku i peremeshchenie grunta buldozoi, amil, skreperami i greiderami na raznye rassotaniia. Kishinev, Karla Moldovenaske, 1967. 48 p.
- GRINENKO, I.A.F. [Effectiveness of the introduction of new equipment in machinery plants; a methods manual] Effektivnost' vvedeniia novoi tekhniki na mashinostroitel'nykh predpriatiakh; metodicheskoe posobie. Moskva, 1967. 50 p.
- GUBENKO, T.P., and V.T. GUBENKO. [Vector diagrams and construction of static characteristics of synchronous machines] Vektornye diagrammy i postroyeniie staticheskikh kharakteristik sinkhronnykh mashin. Moskva, Energiia, 1966. 183 p.
- GUBINSKII, A.I. [Methods for calculating reliability taking into account parameters of the control system] Metody rascheta nadezhnosti a uchedom parametrov sistem kontrolya rabotosposobnosti. Leningrad, 1967. 37 p. (Leningradskii dom nauchno-tekhnicheskoi pi opagandy. Nauchno-tekhnicheskii opyt. Seria. Uuchashenie kachestva, povyshenie nadezhnosti i dolgovечnosti mashin, priborov elektronnoi i radioelektronnol apparatury)
- GURMAN, V.S. [Repair of motor-vehicle frames] Remont avtomobil'nykh ram. Moskva, Transport, 1967. 98 p.
- GUTSCHOW, KONSTANTY. [Principles of city construction; planning and building residential sections. Translated from the German] Osnovy stroitel'nykh osnovy; planirovka i zastroika zhilykh raionov. Nauchn. red. K. Aleksandera. Moskva, Stroiizdat, 1967. 145 p.
- [HANDBOOK FOR DESIGNERS OF INDUSTRIAL, RESIDENTIAL, AND PUBLIC BUILDINGS AND STRUCTURES, water supply to populated places and industrial enterprises] Spravochnik proektirovshchika promyshlennykh, zhilykh i obshchestvennykh zdani i sooruzhenii vodosnabzhenie naselennykh mest i promyshlennykh predpriatii. Pod obshelei red. I.A. Nazarova. Moskva, Stroiizdat, 1967. 382 p.
- [HANDBOOK ON ELECTRICAL SYSTEMS OF INDUSTRIAL ENTERPRISES IN FOUR VOLUMES] Spravochnik po elektrostanciyam promyshlennykh predpriatii v chetyrekh tomakh. Pod obshelei red. N.S. Movsesova, A.M. Khramushina. Moskva, Energiia. Vol. 4. [Electrical systems design. Electrical structures and installation equipment] Konstruirovaniye elektrostanciov. Elektrokonstruktsii i montazhnye izdeliia. Pod red. V.A. Glacheva, I.I. Ligeimana, I.L. Liudmirskogo, 1967. 368 p.
- [HANDBOOK ON PLASTICS] Spravochnik po plasticheskim massam. Pod red. M.I. Garbara, M.S. Akutina, i N.M. Egorova. [Mosva] Khimtia, 1967. 462 p.
- IAKOVLEV, A.S. [Orange crystal; sketch of the Pervouralsk Dichi onate Plant] Oranzhevyy kristall; ocherk o Pervoural'skom khimicheskoi zavode. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1965. 134 p.
- IANKOVSKII, K.A., and I.S. VYSINEPOL'SKII [Mechanical drawing] Tekhnicheskoe cherenche. Moskva, Vysshaya shkola, 1967. 207 p.
- TEVNIŠ, I., and others. [New machinery for improvement cuttings] Jaura tehnologija meza kopsanas chites. Riga, Zinatne, 1967. 81 p. [in Latvian]
- [INSTRUCTION TO PUNCHED CARD CATALOGS OF ABSTRACTS IN METALLURGY] Instuktsiia k referativnym perfokartotekam po metallurgii. Moskva. Kartoteka XXXIII [Technology of heat and chemical heat treatment] Tekhnologiya termicheskoi i khimikotermicheskoi obrabotki. Izd. 3., perev. 1966. 30 p.
- Kartoteka XXXIV. [Technical analysis in metallurgy] Tekhnicheskii analiz v metallurgii. Izd. 2., perev. 1966. 37 p.
- INTERNATIONAL ROAD CONGRESS, 11th, Rio de Janeiro, 1959. [Reports from the U.S.S.R. to the 11th International Road Congress] Doklady ot SSSR XI Mezhdunarodnomu dorozhnomu kongressu (Rio-de-Zhaneiro, 1959 g.). Moskva, Avtotransizdat, 1959. 127 p.
- INDIN, V.A., and L.V. PETROKAS [Theory of mechanisms and machines] Teoriia mekhanizmov i mashin. Moskva, Vysshaya shkola, 1967. 527 p.
- IVENSKII, G.V. [Rectifier current converters; a textbook] Ventil'nyo preobrazovatelii loka, uchebnoe posobie. Leningrad, 1966. 131 p.
- KADYMOV, I.A.B. [Problems of the automation of oil well drilling] Voprosy avtomatizatsii bureniia neflianykh skvazhin. Moskva, Znaniye, 1967. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seria. Tekhnika, 5)
- KALUGINA, [wines] I Izd. ? 1967

- KLACHIKIN, A. L. [Operational characteristics of aircraft gas-turbine engines] Eksploataatsionnye kharakteristiki aviatsionnykh gazoturbinnyykh dvigatelei. Moskva, Transport, 1987. 194 p.
- KLATSKIN, I. G. [Fundamentals of the theory of linear antennas, a textbook] Osnovy teorii lineinykh antenn, uchebnoe posobie. Leningrad, 1966. 78 p.
- KOLEGAEV, R. N. [Determining optimum durability of technical systems] Opredeleniye optimal'noi dolgozhechnosti tekhnicheskikh sistem. Moskva, Sov. radio, 1987. 111 p. (Biblioteka inzhenera po nadzhnostti)
- KOMANOVSKII, A. Z., N. A. TROSHCHENKOV, and V. S. MOVSHOVICH. [Production of alloyed cold-rolled sheets] Proizvodstvo legirovannykh kholodno-katanykh listov. Moskva, Metallurgiya, 1987. 158 p.
- KOMOGORTSEV, I. I. [Trip to the country of new constructions] Puteshestvie v stranu novostroyek. Otv. red. A. P. Okladnikov. [Novosibirsk] Nauka, 1966. 135 p.
- KORENIUK, I. M. [Copper welding under flux] Svarka medi pod fluxom. Moskva, Mashinostroyeniye, 1987. 62 p.
- KOROVSKII, S. I. A. [Flying metals] Letatushchie metally. Moskva, Mashinostroyeniye, 1987. 252 p.
- KOSTROV, N. A. [Chemistry and technology of the production of acetate fibers] Khimiya i tekhnologiya proizvodstva atsetatnogo volokna. Moskva, Khimiya, 1967. 205 p.
- KOVALENKO, I. N. [Concise handbook for architects, industrial enterprises] Kratkiy spravochnik arkhitek-tora, promyshlennyye predpriyatiya. Kiev, Budvel'nyk, 1967. 503 p.
- KOZHEVNIKOVA, T. A. [Testing of oils in chemical laboratories] Ispytaniya masel v khimicheskikh laboratoriyakh. Moskva, Energiya, 1967. 126 p.
- KOZYREV, A. V., and M. A. FABRIK. [Design of popular magnetic tape recorders] Konstruirovaniye lyubitel'skikh magnetofonov. Izd. 3, pereizd. Moskva, DCSAIF, 1987. 316 p.
- KREINIS, Z. L. [Continuous rolls] Bessykovoy pul'. Moskva, Znanie, 1967. 47 p. (Novoe v zhizni, nauke, tekhnike, XXI Seriya Transport, 2)
- KRUSHEVSKII, A. F. [Variational calculation of the body parts of machines] Variatsionnye metody rascheta korpusnykh detalей mashin. Minsk, Nauka i tekhnika, 1967. 225 p.
- KSENDZOVSKII, V. R. [Automatic control of kilns in the refractories industry] Avtomatizatsiya pochoi ognepoynoi promyshlennosti. Moskva, Metallurgiya, 1967. 177 p.
- KUDRIASHOV, K. V., and V. A. IUTLANDOVA. [Trends in the modeling of clothing for 1987] Napravleniye v modelirovani odevzhi na 1987 god. Leningrad, 1987. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Obmen porodovym proizvodstvennym i nauchno-tekhnicheskimi opytom v sverelnoi promyshlennosti)
- KUGUSHEV, I. D. [Theory of processes of the formation and dehydration of paper stock] Teoriya protsessov otvoda i obezvozhivaniya bumazhnoi massy. Moskva, Lesnaya promyshl, 1967. 261 p.
- KUMBIASHVILI, V. A. [Using punched-card computers in overall mechanization of management work in construction] Kompleksnaya mekhanizatsiya upravlencheskikh rabot v stroitel'stve s ispol'zovaniem schetno-perforatsionnykh mashin. Pod red. N. A. Smirnova. Leningrad. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: "Avtomaticheskaya sistema upravleniya stroitel'stvom") No. 3, 1966. 13 p.
- KUPREANOV, M. S. [Foreign practice in the construction of municipal gas mains] Zarubezhnyi opyt stroitel'stva gorodskikh gazoprovodov. Moskva, Stroizdat, 1967. 43 p.
- KURITS, A. A. [Diesel locomotive engines and their power series] Teplovoye dviizh i ikh moschnostnye ryady. Moskva, Mashinostroyeniye, 1967. 252 p.
- KUTUZOV, B. N., and V. M. GLOBA. [Improving boring and blasting operations in potash mines] Sovershenstvovaniye burovzryvnykh rabot na kalinykh rudnikakh. Moskva, Nedra, 1967. 113 p.
- LEVENSON, I. A. S. [Steel tubular structures] Konstruktsii iz stal'nykh trub. Moskva, Stroizdat, 1967. 119 p.
- LEVI, L. I., and S. K. KANTENIK. [Foundry alloys] Liteanye splavy. Moskva, Vysshaya shkola, 1967. 434 p.
- LIPSMAN, V. S., S. I. LIPSMAN, and A. T. MUZYKA. [Adjustment and operation of industrial steam turbines] Naladka i eksploatatsiya promyshlennykh parovykh turbin. Moskva, Energiya, 1967. 215 p.
- LITVIN-SEDOV, M. Z. [Elementary treatise on the navigation of spaceships] Upravleniye kosmicheskimi korablami v elementarnom izlozhenii. [Moskva, Izd-vo Mosk. univ., 1966] 313 p.
- LITVINOV, I. M. [Basic theoretical problems of the development of large-panel construction on sagging soils and undermined territories] Osnovnye teoreticheskie voprosy razvitiya krupnapanel'nogo stroitel'stva na prosadochnykh gruntakh i podratyvaemykh territoriyakh. Kiev, 1962. 24 p.
- LITVINOV, I. M. [Drying apparatus for laboratory field work, scientific report] Sushil'nyi apparat dlya polevykh issledovaniy; nauchnoe soobshcheniye. Kiev, Izd-vo Akad. arkh. Ukrainskoi SSR, 1954. 24 p.
- LITVINOV, I. M. [Thermal stabilization of sagging loess and other soils of foundation beds of various buildings and structures; report] Termicheskoe ukrepleniye prosadochnykh lessovykh i drugikh gruntov v osnovaniyakh razlichnykh zdaniy i sooruzheniy; nauchnoe soobshcheniye. Kiev, Izd-vo Akad. arkh. Ukrainskoi SSR, 1955. 54 p.
- LIUBCHENKO, A. A. [Modelling the process of hot sheet-metal work in production of large-size parts] Modellirovaniye protsessov listovoi gorachey shtampovki pri upogobartnykh izdelii. Leningrad, 1967. 64 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Progressivnye formobrazovaniye)
- LOBUNINA, I. I. [Selecting reliability indices for devices controlling dimensions considering their operational characteristics] Vybór pokazatelei nadzhnosti priborov kontrolya razmerov s uchedom ikh eksploatatsionnykh osobennostei. Leningrad, 1966. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt. Seriya: Utucheniye kachestva, povysheniye nadzhnosti i dolgozhechnosti mashin, priborov i drugikh promyshlennykh izdelii)
- LOGGINOV, G. I., and O. A. SAFONOV. [Electron beam does the compulging] Schlait elektromylny luch. Moskva, Znanie, 1967. 47 p. (Novoe v zhizni, nauke, tekhnike. XIV Seriya: Radioelektronika i aviatsiya, 6)
- LOPATIN, B. V. [Manual for digester liners] Posobie obmurovshchiku varochnykh kotlov. Moskva, Lesnaya promyshl, 1967. 45 p.
- LORDKIPANIDZE, R. S. [Studying the strength of concrete and reinforced concrete] Issledovanie vyнослиvosti betona i zhelezobetona. Tbilisi, Metsnereba, 1966. 113 p.
- LOSAVIO, G. S. [Wear caused by starting of motor-vehicle engines at low temperatures] Puskovyye iznosy avtomobil'nykh dvigatelei pri nizkikh temperaturakh. Moskva, Transport, 1967. 53 p.
- LURE, G. B., and V. N. KOMSARZHEVSKAYA. [Grinding machines and their adjustment] Shlifovaniye stanki i ikh naladka. Moskva, Vysshaya shkola, 1967. 473 p.
- MAILIAN, R. L., and others. [Structural elements] Stroitel'nye konstruktsii. Pod obshchey red. R. L. Mailiana. Moskva, Stroizdat, 1967. 504 p.
- MALIKOV, F. P. [Advanced machining methods for all machine tool operators] Peredovyye metody obrabotki vsem stanochnikam. Voronezh, Tsentral'no-Chernozemnoye knizhnoe izd-vo, 1966. 197 p.
- MALKIN, D. M. [Contour-grinding machines] Profilshlifovaniye stanki. Leningrad, Mashinostroyeniye, 1967. 383 p.
- MALKOVICH, A. R., and V. I. SVERDLOV. [Automating individual iron founding processes] Avtomatizatsiya otdel'nykh protsessov chugunoliteinogo proizvodstva. Leningrad, 1967. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Progressivnye formobrazovaniye)
- MALTAAR, V. M., and N. S. TOKHMAKHCHI. [Ways of improving the quality of the wines and cognacs of Moldavia] Puti utucheniya kachestva vin i kon'akov Moldaviy. Kishinev, 1966. 40 p.
- MARKOV, N. N., G. B. KALNER, and P. A. BATTSIPIKOV. [Error and selection of instruments in linear measurements] Pogreshnosti i vybór instrumentov pri lineynykh izmereniyakh. Pod red. N. N. Markova. Moskva, Mashinostroyeniye, 1967. 301 p.
- MARMER, E. N., O. S. GURVICH, and I. F. ASAL'ZHEV. [High-temperature materials] Vysokotemperaturnyye materialy. Moskva, Metallurgiya, 1967. 214 p.
- [MEASURING ELECTRICAL DEVICES ON RAILROADS] Izmereniya v elektricheskikh ustroystvakh na dorozhnogo transporta. [By] A. I. Butskanov. Moskva, Transport, 1967. 462 p.
- MEDEL', V. B., comp. [Methodological registration of the composition of draft projects on electric locomotives and motor cars] Metodicheskaya zapiska o sostavlenii kazhnogo proekta elektrovoznykh i avtomobil'nykh telezhelek. Moskva, 1967. 48 p.
- MEDIAKOVA, L. V., E. I. LAZAREVICH, and J. V. BESSCHETNOVA. [Correction of frequency characteristics in audio frequency amplifiers, a textbook] Korrektsiya chastotnykh kharakteristik v ustroystvakh zvukovykh chastot; uchebnoe posobie. Leningrad, 1967. 60 p.
- MEKHITIEV, D. M. [Scientific and technical information in the national economy of the Azerbaijan S.S.R.] Azarbaijan SSR khalq iasariyatinda elmi tekhnika mahumat. Baki, Azarnashi, 1967. 221 p. [In Azerbaijani]
- MIKHAILOV, M. I., and L. D. RAZUMOV. [Parameters of cable communication lines from the effect of external electromagnetic fields] Zashchita kabel'nykh svyazey ot villaniya vnesnykh elektromagnitnykh pol' Moskva, Svyaz', 1967. 342 p.
- MIKHAILOV, V. S. [Method for calculating optimum parameters of straightening elements and for calculations by local heating] Raschetnyi metod opredeleniya optimal'nykh parametrov pravki munitnykh i zashchitnykh fundamentov. Leningrad, 1967. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Progressivnye metody obrabotki materialov)
- MIKHAILOV, A. V. [Electrical networks and systems in examples and problems] Elektricheskiye seti i sistemy v primerakh i zadachakh. Moskva, Energiya, 1967. 159 p.
- MOGILEVER, M. Z., and others. [Improvement of methods for the calculation of pattern cutting from fabric] Sovershenstvovaniye metodov rascheta izkroynykh Pod red. M. Z. Mogilevera. Moskva, Legkaya i shvaytraya, 1967. 134 p. diagra. (Innovatsiya)
- MOKSHIN, S. I. [In the diamond land] V almaznykh krayakh. Moskva, Politizdat, 1967. 110 p. Illus. (Istorii Sovetskoi Rodiny)
- MOSKOVSKII ENERGETICHESKII INSTITUT. [Proceedings of Scientific and Technical Conference on the 10th of Scientific Research Work for 1966-1967: Power engineering section; section on hydroelectric power engineering] Doklady Nauchno-tekhnicheskoi konferentsii po itogam nauchno-issledovatel'skikh rabot za 1966-1967 g.g. s sektora elektroenergeticheskoi, petroliumskoi i gidroenergetiki. Red. V. I. Obizkov, I. I. Kriuchkov. Moskva, 1966. 63 p.
- MUKHINA, T. G. [Production of lime brick] Proizvodstvo silikatnogo kirpicha. Izd. 2, pereizd. Moskva, Vysshaya shkola, 1967. 176 p.
- [MULTILAYER SEMICONDUCTOR STRUCTURES] Mnogosloynnye poluprovodnikovyye struktury] Rukovodstvo. Znanie, 1967. 286 p.
- NAZAROV, V. V., and I. V. IVASHKIN. [Use of electronic computers in the supply of materials and equipment] Priblizheniye EVM v material'no-tekhnicheskuyu razrabotku. Moskva, Ekonomika, 1967. 230 p.
- NOVIKOV, V. A., ed. [Telephony] Telefoniya. 2., pereizd. Izd. [By] V. M. Volkov i dr. Moskva, Transport, 1967. 406 p.
- [NUMERICAL CONTROL SYSTEMS FOR PRECISION MECHANISMS] Tsifrovyye sistemy upravleniya tochnymi mekhanizmami. Leningrad, Nauka, 1967. 201 p.
- OKUN', E. L. [Radio transmitting systems] Radiopere-datushchie ustroystva. Izd. 3, pereizd. Leningrad, Sudostroyeniye, 1967. 449 p.
- [ORNAMENTAL, INDUSTRIAL, AND FACING STONES IN THE TAJIK S.S.R.] Ogranocheniye, podeleniye i oblitovocheniye kamni Tadzhikskoi SSR. Dushanbe, Irkon, 1966. 22 p. map. (Vystavka dostizheniy narodnogo khoziaistva)

- SAKOVICH, R.K., and L.V. VOLOGDINA. [Securing reliable operation of ultrasonic units for qualitative part cleaning] Obespechenie nadezhnosti ekspluatatsii ul'trazvukovykh ustanovok dlia kachestvennoi ochistki detalей. Leningrad, 1967. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt Seriya Progressivnye metody obrabotki materialov)
- SAMOKHOTSKII, A.I., and M.N. KUNIAVSKII [Physical metallurgy] Metallovedenie. Izd. 3, perer. i dop. Moskva, Metallurgiya, 1967. 456 p.
- SATSUKHEVICH, M.F., and F.V. MEKHEDKO [Operation of electrical equipment of industrial substations] Eksploatatsiya elektrooborudovaniia promyshlennykh podstantsii. Minsk, "Belarus", 1966. 166 p. (Biblioteka elektromonitara, no 18)
- SAVITSKII, E.M., V.P. POLIAKOVA, and M.A. TYLKINA [Palladium alloys] Splyvy palladiia. Moskva, Nauka, 1967. 213 p.
- SEGAL, L.S. [Automated multiple-nomenclature warehouses of packaged and piece goods] Avtomatizirovanye mnogonomenklaturnye sklady taniykh i shchuykh gruzov. Leningrad, 1967. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya Mekhanizatsiya i avtomatizatsiya transportnykh i skladnykh rabot v promyshlennosti)
- SEMINAR "METODY MATEMATICHESKOGO MODELIROVANIA I TEORIJA ELEKTRICHESKIIH TSEPEI" [Seminar "Methods for mathematical modeling in the theory of electrical networks", papers] Seminar "Metody matematicheskogo modelirovaniia i teoriia elektricheskikh tsepei", doklady. Kiev, No. 2. 1966. 175 p.
- SENCHENKO, N.N. [Dyeing of textile products] Krasenie tekstil'nykh izdelii. Moskva, Legkaiia Industriia, 1967. 147 p. (Uchebnyi dlia podgotovki rabochikh massovykh spetsialistov)
- SERAPIN, G.K. [Laboratory manual on a course in "Radio systems"] Uchebnoe posobie k laboratornym rabotam po kursu "Radiotekhnicheskie sistemy". Leningrad, No. 3 [Study of the characteristics of the high-frequency channel of R-600 radio relay apparatus with frequency multiplexing] Issledovanie kharakteristik vysokofrekvencykh kanalov apparatov radioreleinoi svyazi s chastotnym umnozheniem kanalov, apparatov R-600. Podred. E.V. Ryzhikova. 1964. 52 p.
- SEVIRDENKO, V.P., and V.V. KLUBOVICH [Use of ultrasonics in industry] Primenenie ul'trazvuka v promyshlennosti. Minsk, Nauka i tekhnika, 1967. 260 p.
- SHABAD, M.A. [Protection of low-power electrical generators] Zashchita generatov ot maloi moshchnosti. Moskva, Energiia, 1967. 80 p. (Biblioteka elektromonitara, no. 223)
- SHAFER, A.I. [Household sanitation] Gigena zhilishcha. Moskva, Znanie, 1967. 31 p.
- SHAKHOVA, G.G., and N.E. SHIMIDT. [Decorative pavements; practice in foreign countries] Dekorativnye dorozhnye pokrytiia; zarubezhnyi opyt. Moskva, Stroizdat, 1967. 140 p.
- SHEINOV, I.I. [Repair and assembly of the equipment of woodworking industries] Remont i montazh oborudovaniia derevoobrabatvayushchikh proizvodstv. Izd. 2, perer. i dop. Moskva, Lesnaya promyshl., 1967. 331 p.
- SHIBAEV, N.A. [Electron tubes and semiconductor devices] Elektronovakuumnye i poluprovodnikovye pribory. Moskva, Voenizdat, 1967. 423 p.
- SHISHONOK, N.A., ed. [Solution of some problems in reliability and operation of systems using universal digital computers] Reshenie zadach nadezhnosti i ekspluatatsii na universal'nykh ETsVM. [By] B.P. Kredentser i dr. Moskva, Sov. radio, 1967. 400 p.
- SHOSTAK, A.G. [Ore mining industry of the Ukrainian S.S.R., iron and manganese ores] Gornorudnaya promyshlennost' Ukrainy S.S.R., zheleznaya i manganisvata ruda. [Moskva, Nedra, 1967] 235 p.
- SIDORIN, I.U.G., and D.I. SHINAREVICH. [New elements of automatic control, elements of pneumatics] Noveye elementy avtomatiki; elementy pnevmatiki. Leningrad, 1967. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya Uchebnye kachestva, povyshenie nadezhnosti i dolgovechnosti mashin, priborov, elektronnoi i radioelektronnoi apparatury)
- SMIAKOV, E.V. [Air-cushion cross-country vehicles] Vozdushnye vezdekhody. Moskva, DObAAF, 1967. 76 p.
- SMONOVA, R.P. [Manual on a course in "Theoretical principles of radio engineering" for students of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radiotekhniki" dlia studentov radiotekhnicheskogo fakul'teta. Moskva, Pt. 1, [Section "Long lines"] Razdel "Dlinnye lini.". 1965. 68 p. diagr. (insert)
- SKOROSHECHENSKII, V.F. [Handbook for the winch and motor operator of a suction dredge] Posobie lebedchiku-motolistu zemslaniada. Izd. 2, perer. i dop. Moskva, Transport, 1967. 123 p.
- SKUPIN, KUMIR. [Polymer mortars and concrete with plastic binders. Translated from the Czech] Polimerne rastvory i plastbeloy. Moskva, Stroizdat, 1967. 174 p. (Noveye stroitel'nye materialy)
- SLONOV, A.V., and A.Z. FIRSOV. [Antenna feeder systems, laboratory manual] Antenna-fidernye ustroistva, posobie po laboratornym rabotam. Leningrad, 1967. 77 p.
- SMANTSER, A.I. [Hydraulic automatic remote control of the PM-6 main steam engine; abstract of lectures] Gidravlicheskie avtomaticheskie dalsionnoe upravlenie glavnoi parovoi mashinnoi PM-6, konspekt lektsii. Moskva, Transport, 1966. 54 p.
- SMIRNOV, A.D. [Pulsed ultrasonic measuring equipment, problems of design] Impul'snaya ul'trazvukovaya izmeritel'naya apparatura; voprosy konstruirovaniia. Moskva, Energiia, 1967. 191 p.
- SOKOLOV, A.A. [Fundamentals of electronics] Osnovy elektrotekhniki. Izd. 2, perer. i dop. Moskva, Vysshaya shkola, 1967. 159 p.
- SOKOLOV, M.M., V.I. KLUCHEV, and M.D. KAPUNTSOV. [Collection of schematics on control circuits for electrical drives of general-purpose industrial mechanisms] Sbornik skhem upravleniia elektropriivodami obshchepromyshlennykh mekhanizmov. Moskva, 1966. 23 p.
- SOLODOV, A.V. [Information theory and its application to problems of automatic regulation and control, theoretical principles of engineering cybernetics] Teoriia informatsii i ee primeneniie k zadacham avtomaticheskogo upravleniia i kontroliia. Moskva, Nauka, 1967. 432 p. (Teoreticheskie osnovy tekhnicheskoi kibernetiki)
- SOMOV, V.A. [Increasing the motor capacity and economic efficiency of diesel engines] Povyshenie motoresursa i ekonomichnosti dizelov. Leningrad Mashinostroenie, 1967. 103 p.
- SORKIN, R.E. [Gas thermodynamics of solid-fuel rocket engines] Gazotermodinamika raketykh dvigatelei na tverdom toplive. Moskva, Nauka, 1967. 368 p.
- SOTNIKOV, I.B. [Theoretical bases for joint operation of receiving and departure yards and adjacent sections; a textbook] Teoreticheskie osnovy vzaimodeistviia v rabote priemo-otpravochnykh parkov stantsii i priliegayushchikh uchastkov, uchebnoe posobie. Moskva, 1967. 59 p.
- [SPACE FLIGHT FROM A TO Z] Kifone kosmosu nuo A iki Z. Vilnius, Mintis, 1965. 163 p. [In Lithuanian]
- SPEKTOR, SH. SH. [Lubricating oil refineries using fuelure] Ustanovki po ochistke smazochnykh masel fuelurelom. Moskva, Khimiia, 1967. 85 p. (Biblioteka molodogo rabochego)
- SPORYSH, I.P. [Reliability of mechanism of automatic control systems] Nadezhnost' mekhanizmov sistem avtomaticheskogo regulirovaniia. Moskva, Mashinostroenie, 1967. 239 p.
- STEKLOV, V.IU. [Development of electric power engineering in the U.S.S.R.; achievements and prospects] Razvitiie elektroenergetiki SSSR, itogi perspektivy. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauke, tekhnike. XX Seriya Promyshlennost', 3)
- STEPANENKO, I.P. [Fundamentals of transistor theory and transistor circuits] Osnovy teorii tranzistorov i tranzistornykh skhem. Izd. 2, perer. i dop. Moskva, Energiia, 1967. 614 p.
- [STUDIES ON HEAT CONDUCTION] Issledovaniia po teploprovodnosti. Pod obshch. red. A.V. Lykova i B.M. Smol'skogo. Minsk, Nauka i tekhnika, 1967. 575 p.
- STUL'NIKOV, V.I., and others. [Thyristors in electrical systems] Tiristory v elektrostavovkakh. Kiev, Tekhnika, 1967. 98 p. (Biblioteka po avtomatike)
- SULEDMENOV, S.T., and others. [New silicate and organic materials] Noveye silikatnye i organicheskie materialy. Alma-Ata, Nauka, 1967. 294 p.
- [SYSTEMS FOR EXCITATION AND REGULATION OF SYNCHRONOUS MACHINES AND LARGE STATIC CONVERTERS] Sistemy vzbuzhdeniia i regulirovaniia sinkhronnykh mashin i moshchnye staticheskie preobrazovatelii. Leningrad, Nauka, 1967. 213 p.
- TALANOVA, A.G., and others. [Organization and planning of basic production at engine plants] Organizatsiya i planirovaniie osnovnogo proizvodstva na dvigatel'stroitel'nykh zavodakh. Pod red. V.F. Novatskogo. Moskva, Mashinostroenie, 1967. 342 p.
- TARASOV, V.P. [Charging of blast furnaces] Zagruzka domennykh pechel. Moskva, Metallurgiya, 1967. 126 p.
- TASHCHILAN, V.V. [Semiconductor switching devices] Poluprovodnikovye pereklyuchayushchie pribory. Moskva, Energiia, 1967. 70 p. (Massovaya radio-biblioteka, no. 620)
- [TECHNICAL OPERATION OF AIRCRAFT EQUIPMENT] Tekhnicheskaya ekspluatatsiya aviatstionnoi tekhniki. Moskva, Voenizdat, 1967. 114 p.
- TIIOV, V.I. [Devices and tools of machine tools for breaking steel chips] Ustroistva i instrumenty k metalloobrabotke na stankakh dlia dobleniia stal'not struzhki. Leningrad, 1966. 37 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya Mekhanizatsiya i avtomatizatsiya transportnykh i skladnykh rabot v promyshlennosti)
- TKALIN, I.M. [New organization of the assembly line for instruments] Novaya forma organizatsii sborki priborov na potoke. Leningrad, 1967. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya Ekonomika i planirovaniie proizvodstva)
- TSANDER, R.A. [From the scientific legacy] Iz nauchnogo naslediia. Moskva, Nauka, 1967. 98 p.
- UKRAINE. Komitet po presli. [Regulations on fire protection of printing enterprises and institutions of the Printing Committee attached to the Council of Ministers of the Ukrainian S.S.R.] Pravyla pozharnoi bezpekoy dlia poligrafichnykh pidpriemstv i ustanov systemy Komitetu po presli pry Rudi Ministriv Ukrainy S.S.R. Kyiv, Tekhnika, 1967. 64 p.
- [THE UNIVERSE IS CLOSE AT HAND; Index of recommended literature for young people] Kosmos rindom s nami; rekomendatsii dlia ukazatel' literatury dlia molodezhi. Moskva, Kniga, 1967. 93 p.
- USACHEV, V.V. [Carbamide dewaxing] Karbamidnaya deparafinizatsiya. Moskva, Khimiia, 1967. 235 p.
- [USE OF NEW MATERIALS IN THE AGRICULTURAL MACHINERY INDUSTRY] Primeneniie novykh materialov v sel'skokhozhaystvennom mashinostroeni. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1966. 97 p.
- USHAKOVA, K.N. [Twisting and winding of acetate yarn] Krucheniie i snovaniie nisetatnykh nitel. Moskva, Legkaiia Industriia, 1967. 115 p.
- VERGIN, V.N. [Basic characteristics of built-in check with error detection in computers] Osnovnye kharakteristiki apparatnogo kontroliia s obnaruzheniem oshibok primenitel'no k TsVM. Moskva, 1966. 25 p. (Elektronnye vychislitel'nye mashiny)
- VERSHININ, A.M. [Analysis of managerial operations in a metallurgical plant] Analiz khozhaistvennoi dela-tel'nosti metallurgicheskogo zavoda. Moskva, Metallurgiya, 1967. 288 p.
- VINOGRADOV, P.A. [Using various means and methods for the conservation of machines, instruments, and articles depending on storage conditions] Primeneniie razlichnykh sredstv i metodov konservatsii mashin, priborov i izdelii v zavisimosti ot uslovii khraneniia. Leningrad, 1967. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya Uchebnye kachestva, povyshenie nadezhnosti i dolgovechnosti mashin, priborov, elektronnoi i radioelektronnoi apparatury)
- VISHNEVSKII, A.IA. [Road builder] Rohsoz, dar borai baet va fa'oliali V.J. Karamov. Dushanbe, Irfon, 1966. 62 p. [In Tajik]

- VOLKOV, V.G., A.M. RADIN, and I.M. RUDENSKAYA. [Laboratory and field studies of road materials] Laboratornye i prakticheskie znananiya po ispytaniyu dorozhno-stroitel'nykh materialov. Moskva, Transport, 1967. 347 p.
- VOLODIN, E.P., A.P. DEGTAREV, and I.S. CHUMAKOV. [Grading operations] Grudernyye raboty 2 izd., dop. i ispr. Moskva, Stroizdat, 1966. 246 p. (Seitla posobl po povysheniyu masterstva stroitel'ev)
- VORONCHEV, T.A., and V.D. SOBOLEV. [Physical fundamentals of electron tube technology] Fizicheskie osnovy elektrovakuumnoi tekhniki. Moskva, Vysshaia shkola, 1967. 351 p.
- VORONKOV, I.I., and P.V. BARAKOVSKAYA. [Practice of analytical work at the Ural Machinery Plant] Opyt analiticheskoi raboty na Uralmashzavode. Pod red. V.I. Ganshaka i P.A. Zhukova. Moskva, Mashinostroenie, 1967. 35 p. (Ekonimicheskii analiz raboty mashinostroitel'nykh predpriatii)
- VSESOIUZNAIA KONFERENTSIYA PO PROBLEMAM FIZIKO-KHIMICHESKOI MEKHANIKI, Tashkent, 1964. [Physicochemical mechanics of soils, ground, clays, and building materials, reports] Fiziko-khimicheskaya mekhanika pochv, gruntov, glin i stroitel'nykh materialov [doklady]. Tashkent, Fan, 1966. 475 p.
- VSESOIUZNOE NAUCHNO-TEKHNIЧЕСКОЕ SOVESCHANIIE PO AVTOMATIZATSII I MEKANIZATSII PROTSESOV PLAVKI I RAZLIVKI METALLA V LITETNIKYI TSEKIAKII, 1965. [Abstracts of reports of the All-Union Scientific and Technical Conference on Automatic Control and Mechanization of Melting and Pouring Processes in Foundries] Tezisy dokladov, Kiev, Naukova dumka, 1965. 45 p.
- [WORLD RECORD IN SHAFT SINKING AT THE "NOVO-DUTOVKA" MINE, 264.6 m. of vertical shaft completed in one month] Mirovoi rekord prokhodka stvola na skhite "Novo-Dutovka", 264,6 m golovoi vertikal'nogo stvola v meshts. Moskva, Ugletekhizdat, 1960. 11 p.
- ZAGOROVSKII, L.V., V.I. KOSTIN, and K.A. SMIRNOV. [Fire prevention in enterprises of the textile industry] Pozharnaya profilaktika na predpriatiakh tekstil'noi promyshlennosti. Moskva, Stroizdat, 1967. 222 p.
- ZALESSEKII, A.M., and G.A. KUKKOV. [Thermal calculations of electrical apparatus] Teplovye raschety elekticheskikh apparatov. [Leningrad] Energiia, 1967. 378 p. (Seria monografiy po elekticheskim apparatam vysokogo napriazheniya)
- ZAMORSKAYA, N.I.A., and V.I. GRINBERG. [Sew your headgear] Shelte golovnye ubory. Moskva, Legkaya industriia, 1967. 160 p. diagra. (Insert)
- ZASHKVARA, V.G., and others. [Using processes of coal drying in a fluidized bed in the by-product coke industry] Primenenie protsessov susiki uglei v khlapshchem sloe v koksohimicheskoi promyshlennosti. Moskva, Nedra, 1967. 83 p.
- ZHUKOVSKII, M.I. [Aerodynamic calculation of the flow in axial-flow turbomachines] Aerodinamicheskii raschet potoka v osovykh turbomashinakh. Leningrad, Mashinostroenie, 1967. 286 p.
- ZOTOV, I.M. [Manual for electricians and mechanics on cabling operations] Posobie elektromekhaniku i monteru po kabeinyim robotam 2. izd., pei ot 1 dop. Moskva, Transport, 1967. 203 p.

17. MILITARY & NAVAL SCIENCES

- AKULOV, I.U.I., and I.U.K. GOLOVIN. [Electric propulsion machinery and its operation] Grebnye elektricheskie ustanovki i ikh eksploatatsiya. Moskva, Transport, 1967. 319 p.
- ARTIUKHOV, M.G., I.I. MIL'TSEKHOV, and M.M. RASHTOV, comps. [Bulgarian-Russian military dictionary] Bolgarsko-russkii voennyi slovar'. Moskva, Voenizdat, 1966. 526 p.
- ASTASHENKOV, P.T. [Soviet rocket troops] Sovetskie raketnye voiska. 2, perer. i dop. izd. Pod red. V.F. Tolukko. Moskva, Voenizdat, 1967. 344 p. (Nauchno-populnarnaya biblioteka)
- BALANDIN, I.U.F. [Thermal fatigue of metals in the manufacture of marine power machinery] Termicheskaia ustalost' metallor v sudovom energonastroenii. Leningrad, Sudostroenie, 1967. 271 p.
- BARANOVSKII, M.E. [Bulk carriers] Suda dlia porovozki navalnoykh gruzov. Leningrad, Sudostroenie, 1967. 255 p.
- BIRUK, V.S. [Mountable ship tanks] Sudovye vkladnye tanki. Leningrad, Sudostroenie, 1966. 128 p.
- BUZNIK, V.M. [Heat transmission in marine power plants] Teploperedacha v sudovykh energeticheskikh ustanovkakh. Leningrad, Sudostroenie, 1967. 376 p.
- GARBER, E.D., and M.SII. SHIFRIN. [Nonlinear problems in the automatic control of marine power plants] Nelineinye zadachi avtomaticheskogo regulirovaniia sudovykh energeticheskikh ustanovok. Leningrad, Sudostroenie, 1967. 325 p.
- GAVRKOVA, F.K. [Modern warfare, its characteristic specialties] Sovremennyi boi, ego kharakternye osobennosti. Moskva, Voenizdat, 1967. 107 p. (Solklia i matrosov o revoliutsii v voennom dele)
- GRISHIN, S.V., and SII.I. KOTOSHILL. [The march and the meeting engagement; according to materials from the foreign press] Marsh i vstrechnyi boi, po materialam zarubezhnoi pechati. Moskva, Voenizdat, 1967. 168 p.
- GROZNAIA, TS.I. [The ABR automatic pilot; installation and operation on seagoing vessels] Avtorulevoi ABR, ustanovka i eksploatatsiya na morskikh sudakh. Moskva, Transport, 1967. 63 p.
- IVCHENKO, V.V. [Fundamentals of the use of network planning in ship repair] Osnovy primeneniia setovogo planirovaniia v sudoremonie. Moskva, Pishchovai promyshl., 1967. 53 p.
- KALASHNIKOV, E.V. [Reconnaissance and target designation] Razvedka i islokozazanie. Moskva, Voenizdat, 1967. 69 p.
- KALININ, M.I. [Communist education and a soldier's duty; a collection of speeches, papers and articles] O kommunisticheskoi vospitani i voinskom dolge; sbornik rechi, dokladov, statei. Moskva, Voenizdat, 1967. 726 p. (Biblioteka ofitsera)
- KAMKOV, I.A. [For those who wish to study in higher military schools; information, advice] Dlia tekh, kto khochet uchi'sia v voennykh vuzakh; spravki, sovery. Moskva, Voenizdat, 1967. 222 p.
- KIRPICHNIKOV, L.A., and M.I. KHARIF. [Electric power supply of seaports] Elektrosnabzhenie morskikh portov. Moskva, Transport, 1967. 219 p.
- [MANUAL ON MASS-PRODUCED TRANSPORT VESSELS, port, tender, and auxiliary fleet] Spravochnik po seriinym transportnym sudam. Moskva, Transport, Vol. 3. [Port, tender, and auxiliary fleet] Portovy, stoetsiny i vspomogatel'nyi flot, 1966. 251 p.
- MOROZOV, P.V. [Fighting with aerial and space targets] Boi s vozdušno-kosmicheskimi tseliami. Moskva, Voenizdat, 1967. 141 p.
- NOVIKOV, I.U.Z., and F.D. SVERDLOV. [The maneuver in combined-arms combat] Manevr v obshchevoiskom boiu. Moskva, Voenizdat, 1967. 135 p.
- PALLER, A.M., and V.F. SOKOLOV. [Impermeability and tightness of metallic ships] Neproitsaomost' i germichnost' metallicheskikh sudov. Leningrad, Sudostroenie, 1967. 239 p.
- PARPAROV, L.F. [A new German military vocabulary] Novyi nemeckii voennyi slovar'. Moskva, Voenizdat, 1967. 102 p.
- PERLIN, A.A., M.K. SHALIKIN, and I.U.K. KHRIA-SHCHEV. [Testing the strength of ship structures on tensiometric models] Issledovanie prochnosti sudovykh konstruktsii na tenzometricheskikh modelakh. Leningrad, Sudostroenie, 1967. 78 p.
- PIVEN, I.D., A.L. DESPALOV, and V.A. ZHUKHAREV. [Instruments for testing the strength and vibration of ships, recording and tensiometric equipment. A reference manual] Pribery dlia ispytaniia prochnosti i vibratsii sudov; registriruiushchaya i tenzometricheskaya apparatura. Spravochnoe posobie. Leningrad, Sudostroenie, 1967. 198 p.
- [PSYCHOLOGY OF A MILITARY COLLECTIVE] Psikhologiya voinskogo kollektiva. [By] A.V. Baraban-shchikov i dr. Moskva, Voenizdat, 1967. 251 p.
- ROSCOE, THEODORE. [United States destroyer operations in World War II. Translated from the English] Eskadrennye mihonostsy SSHA vo Vtoroi Mirovoi voine. Moskva, Voenizdat, 1962. 541 p. (OU)
- TSYPLAKOV, O.G. [Marine fiber glass piping] Sudovoye truboprovody iz stekloplastikov. Leningrad, Sudostroenie, 1967. 213 p.
- ZALESSEKII, N.A. ["Krab," the first submarine mine layer in the world] "Krab" - pervyi v mire podvodnyi zagraditel'. Leningrad, Sudostroenie, 1967. 141 p.
- ZUEV, L.P., and M.N. KRYNITSKA. [Mechanization of assembling operations on ships] Mekhanizatsiya montaznykh rabot na sudakh. Leningrad, Sudostroenie, 1967. 133 p. (Biblioteka rabochego-stroitel'a)

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

• SCHOLARLY JOURNALS

- AKADEMIA NAUK ARMJANSKOI SSR, Erivan, Vestnik obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Review of Social Sciences] Erivan, no. 11(282), Nov 1966
- Table of contents translated
- Davlat, D. M. - Lenin's course of the socialist revolution and the problem of the ally of the laboring class, p. 3.
- Arutunyan, G. A. - "Sotsial-demokrat" and "Rabochaya gazeta" in Transcaucasia, p. 19.
- Levin, M. T. - Criticism of the cause and character of the First World War as presented on the pages of Pravda, 1915-1916, p. 30.
- Shamlian, V. L. - Treatments as a sociopolitical writer, p. 39.
- Vardanian, V. G. - The friendship between Grigor Khachatian and Oganess Maslennikov, p. 37.
- Takmizian, N. K. - Khachatur Erzurumetsi as a theorist of medieval Armenian music, p. 66.
- Purizdarian, R. S. - Medical science in Soviet Armenia, p. 73.
- Kazimian, A. A. - Arakel Bagishetsi, p. 82.
- Radrian, P. S. - The system of the gradation of vowels in the Armenian language in the pre-writing period, p. 90.
- In social science periodicals, p. 105.
- No. 12(283), Dec. 1966.
- Table of contents translated
- Addickan, O. A. - Present-day neopositivism and A. Einstein's theory of relativity, p. 3.
- Molan, A. Z. - Analysis of the concept of relativity of knowledge, p. 12.
- Papazian, A. D. - Legal norms of the Shar'ia and the problem of feudal land ownership in the East, p. 22.
- Paramian, V. - Basic trends of the Armenian social thought of the second half of the 19th century, p. 35.
- Shekholan, L. G. - Iranian writers on the problem of modernizing Persian literature, p. 67.
- Sarukhanchian, N. B. - The problem of evaluating Nerses Ashtaraketsi's work in historiography, p. 74.
- Petrovian, A. A. - The role of the Moklaks in the Armenian-Georgian political and economic relations, p. 89.
- Devedzhian, S. G. - Some golden and silver objects of the Bronze Age from Tashir-Dzoraget, p. 100.
- Agalan, Ed. - Lexicological research, p. 110.
- In social science periodicals, p. 121.
- No. 3(286), Mar. 1967.
- Table of contents translated
- Dibyan, V. A., Kazarian, G. M., Muradian, D. A. - A brief study of the historiography of Armenian modern history, p. 24.
- Strukhtsova, I. - The theory of words in present-day linguistics, p. 44.
- No. 5(288), May 1967.
- Table of contents translated
- Rshuni, E. G. - Some problems concerning Naapet Rusinian's philosophical teachings, p. 15.
- Ekmalian, A. M. - At the sources of the scientific method of knowledge in modern philosophy, p. 27.
- Sarkisian, A. E. - A typological analysis of the Old Armenian language, p. 79.
- Ivashuta, M. K. - History of Ukrainian-Armenian historical contacts in the studies of the Soviet scholars of Lvov, p. 103.
- AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, Izvestia Seriya Istorii, filosofii i prava [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in History, Philosophy, and Law], Baku, no. 2, 1966.
- Table of contents translated
- Magerramli, Dzh. - Early history of the newspaper "Kommunist" and the growth of its cadres in the period of reconstruction, 1921-1925, p. 3.
- El'darov, A. M. - How the general education of the workers of Azerbaijan industrial enterprises improved in the period of postwar industrial development, 1946-1958, p. 11.
- Kadyrova, E. - Participation of women in the movement for communist labor in the industrial enterprises of Azerbaijan, 1959-1964, p. 20.
- Kuliev, M. I. - Training the new cadres and raising the qualifications of the employees of the building materials industry as well as the construction workers of Azerbaijan, p. 30.
- Kamal', M. A. - Motive force of the national-liberation movement in Iraqi Kurdistan, 1918-1932, p. 37.
- Shiraliyev, V. - History of the Turkish workers' struggle for their rights, 1950-1960, p. 44.
- Asadov, F. S. - History of the establishment of the Talysh Khanate, p. 63.
- Elendiev, O. A. - Don Juan of Persia or Uruch-bek Bajat? p. 62.
- Dzhavadov, G. D. - Some agricultural implements of northeastern Azerbaijan, p. 71.
- Batramov, G. B. - Forms of the manifestation of common traits in the spiritual character of socialist nations and their unity, p. 81.
- Agakhi, A. M. - History of the dissemination of socialist ideas in Iran, p. 89.
- Korimov, G. - Sufism and the ruling classes, p. 97.
- Khasayev, A. I. - Gadji Zelnataddin Maraghi, an outstanding enlightener of Azerbaijan, p. 103.
- Kasumov, S. K., Kasumov, Z. M. - Constitutional foundations of the sovereignty of the Azerbaijan S.S.R., p. 110.
- Academician A. A. Alizade's 60th birthday, p. 123.
- Lasker, L. G. - Summarizing analog of the Fejer-Vallée-Poussin integral operator, p. 16.
- Mugolov, A. G. - Integration and differentiation under the integral sign in the Cesaro-Denjoy sense, p. 22.
- Mustafae, L. G. - Ideal equivalences of semigroups, p. 30.
- Namazov, G. K., Babaeva, A. A. - Problem for degenerate equations with discontinuous coefficients, p. 36.
- Gadzhiev, V. D. - Some problems concerning the stability of elastoplastic systems in the case of initial stresses, p. 44.
- Aliev, G. G. - Stability of a cylindrical shell under tensile stress, p. 51.
- Akhmedov, B. A. - Liquid flow in an anisotropic stratum with permeable roof, p. 56.
- Tagiev, I. G. - Solution of boundary value problems in the theory of arbitrary shallow cylindrical shells using the small parameter method, p. 60.
- Manukov, D. M. - Problem in quadratic parametric programming, p. 66.
- Abdullayev, G. B., Aliev, M. I., Sarafatov, G. I. - Mechanism underlying the conductivity and scattering of phonons in doped GaSb, p. 69.
- Mukhtarov, I. A., Mukhtarov, R. I. - Stark effect in molecules of the type of an asymmetric spinning top with a quadrupole core, p. 70.
- Abdurakhmanov, A. A., Ragimova, R. A., Imanov, L. M. - Microwave spectrum of the molecule $\text{CH}_3\text{C}_2\text{H}_2\text{CH}_2\text{CH}_3$, p. 82.
- Dzhubarov, Ch. M. - Gas discharge in a cavity bounded by a dielectric, p. 87.
- Gadzhiev, S. N. - Column for rectifying moisture-sensitive substances, p. 83.
- Kulikovskii, K. L., Rustam-Zado, O. P. - Galvanometric compensator with capacitive transformer, p. 97.
- Khasanmamedov, F. I. - Equations describing the dynamics of double-flue tubular heating furnaces of the radiative type (radiative chambers) in the case when the fuel is injected in two jets, p. 100.
- Semenov, V. S., Kizman, R. I. - Study of the effect of internal evaporative cooling on the temperature state of a group of cylinder-piston 4DV-224 engines, p. 113.
- Bagirov, M. A. - Temperature field in an off-beam layer with a moving combustion center, p. 120.
- AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, Izvestia Seriya Istorii, filosofii i prava [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in History, Philosophy, and Law], Baku, no. 2, 1966.
- Table of contents translated
- Magerramli, Dzh. - Early history of the newspaper "Kommunist" and the growth of its cadres in the period of reconstruction, 1921-1925, p. 3.
- El'darov, A. M. - How the general education of the workers of Azerbaijan industrial enterprises improved in the period of postwar industrial development, 1946-1958, p. 11.
- Kadyrova, E. - Participation of women in the movement for communist labor in the industrial enterprises of Azerbaijan, 1959-1964, p. 20.
- Kuliev, M. I. - Training the new cadres and raising the qualifications of the employees of the building materials industry as well as the construction workers of Azerbaijan, p. 30.
- Kamal', M. A. - Motive force of the national-liberation movement in Iraqi Kurdistan, 1918-1932, p. 37.
- Shiraliyev, V. - History of the Turkish workers' struggle for their rights, 1950-1960, p. 44.
- Asadov, F. S. - History of the establishment of the Talysh Khanate, p. 63.
- Elendiev, O. A. - Don Juan of Persia or Uruch-bek Bajat? p. 62.
- Dzhavadov, G. D. - Some agricultural implements of northeastern Azerbaijan, p. 71.
- Batramov, G. B. - Forms of the manifestation of common traits in the spiritual character of socialist nations and their unity, p. 81.
- Agakhi, A. M. - History of the dissemination of socialist ideas in Iran, p. 89.
- Korimov, G. - Sufism and the ruling classes, p. 97.
- Khasayev, A. I. - Gadji Zelnataddin Maraghi, an outstanding enlightener of Azerbaijan, p. 103.
- Kasumov, S. K., Kasumov, Z. M. - Constitutional foundations of the sovereignty of the Azerbaijan S.S.R., p. 110.
- Academician A. A. Alizade's 60th birthday, p. 123.
- Aliev, K. - A conference on the problem of the development of the Azerbaijani people, p. 12.
- AKADEMIA NAUK Gruzinskoi SSR, Tiflis, Izvestia Seriya Istorii, filosofii i prava [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Bulletin. Series in History, Philosophy, and Law], Tiflis, vol. 4, no. 1, Apr. 1967.
- Table of contents translated
- Tevdadze, G. N. - Conditions of integrability of the fundamental equations describing the motion of a rigid body, p. 3.
- Inasaridze, Kh. N. - Extension of the theory of the semigroups, p. 11.
- Nikolashvili, V. V. - Space components of the continuous vector fields, p. 19.
- Gankrolidze, R. V., Kharatishvili, H. I. - The first variation in extremum problems, p. 21.
- Gongadze, R. Sh. - Representation of numbers in the forms $x^2 + 3y^2 + 4z^2$, $12t^2$ and $x^2 + 2y^2 + 3z^2$, p. 33.
- Buklin, G. B. - Multiprogram organization of the solution of a computation system, p. 41.
- Machulavskii, G. A. - Stabilization of the motion in the automatic driving systems of a tractor, p. 44.
- Machulavskii, T. S. - Differential characteristics of the reaction $\gamma + \text{H}_2\text{O} \rightarrow \text{H}_2 + \text{O}$, p. 53.
- Gurgendze, V. S. - Relations between the rate of photoproduction and photon absorption cross section, p. 61.
- Chelidze, T. L. - Frequency dispersion of the dielectric properties in wet rocks, p. 67.
- Benashvili, E. M., and others. - Conversion of cyclohexene on crystalline aluminum silicates of different structure, p. 75.
- Andrianov, K. A., and others. - Condensation of α,γ -dihydroxyethylphenylacetone with CH_2 groups of the ethylhydroxyphenylacetone series, p. 87.
- Sarukhanchian, A. V., Mikhaylov, E. M. - Effect of small Cr_2O_3 additions on the crystallization of multicomponent glass, p. 91.
- Lagidze, N. I., Dzhavadov, L. N., Dzhavadov, Dzh. I. - Polarographic study of the behavior of some ion-exchange resins in electrolyte solutions, p. 97.
- Dzhilidze, N. V. - Cyclohexene and cyclohexene derivatives of leukene cell, p. 103.
- Dokuchava, M. A., Gorgadze, N. G., Pirov, V. N. - Changes in free amino acids in the process of fermentation, p. 111.
- Shalashvili, A. G. - Flavonoids of Rhododendron caucasicum Pall., p. 116.
- Marushvili, L. I. - Unique multistage forest of Tbilisi in western Georgia, p. 123.
- Uznadze, M. D. - Some data on Eocene flora in the surrounding area of Akhalikhe (Georgia), p. 131.
- Kuparidze, M. D., Kharadze, I. I. - Some new data on hydrothermal mineral deposits in Adzhar-Ossetia, p. 135.
- Dzhanelidze, N. P. - New species of genus Paratoma from Pliocene of Evkakhvili basin, p. 143.
- TSinadze, I. Sh., Tavadze, I. N. - Effect of ultrasonic waves on phase transformations in steel, p. 140.
- Tavadze, L. F. - Effect of silicon, molybdenum, and copper on the structure hardness and corrosion resistance of OKh18N2O steel, p. 153.
- Moss, E. I. - Determination of permeability (in terms of) velocities and the initial depth of erosion in wave flow, p. 161.
- Gvolskii, L. L. - Optimum braking conditions of a motor vehicle with a recuperative brake, p. 163.
- Turkin, N. G., and others. - Calculating currents and voltages on electronic computers in case of nonsymmetrical damages in a power system, p. 175.
- Gorgadze, P. G. - Vegetation of moving talus in the vicinity of Tiflis, p. 181.
- Gorgadze, L. S. - Intervarietal hybrid of Dignus corn used in ensilage, p. 189.
- Kavtadze, D. M., Datukishvili, N. M. - Content in leaves and fruit of some fruit trees, p. 194.
- Dzaganila, A. M. - Materials on characteristics of the development of Cycloconium oleaginum Cast. in Georgia, p. 199.
- Chubinskii, T. S. - Materials on strawberry pests in Georgia, p. 207.
- Shiradze, I. A. - Materials on bees (Apidae) in Moskhet-Dzhavakheti, p. 213.
- Shukashvili, N. N. - Elastic fibers in precancerous growths and in mammary gland cancer, p. 223.

- Nanelshvili, T. L. - Changes in electric activity of limbic structures in cats as affected by emotional reactions. p. 227.
- Dzhanalidze, T.S. Sh. - Changes in some cortical-subcortical relationships in artificial hypothermia. p. 235.
- Chachava, A. V. - Motor function of gallbladder in radiation sickness. p. 243.
- Kandelaki, K. I. - Endogenous stimulants of hematopoiesis in kidney patients. p. 249.
- Palavandashvili, S. V. - Surgical treatment of left atriocentric orifice during pregnancy. p. 255.
- Kipiani, S. P., and others. - Clinical and radiographic characteristics of baritosis. p. 261.
- Kurtsikidze, T.S. I. - Source of metaphrastic edition of the "Life of Saint Nina." p. 269.
- Shitakadze, M. I. - Main characteristics of Georgian national stringed instruments. p. 277.
- Vol. 46, no. 2, May 1967.
- Table of contents translated:
- Mchedlishvili, S. A. - Differentiability of functions of two variables. p. 269.
- Dadunashvili, G. S. - Some properties of reflexive locally convex topological spaces. p. 295.
- Vepkhvadze, T. V. - I. A. V. Uspenskii's formula. p. 301.
- Karasev, G. A. - On n -nilpotent groups. p. 309.
- Megrelashvili, R. P. - Generalized formulation of Hamming's distance. p. 315.
- Tsitakishvili, D. S. - Oscillations of a diatomic chain with a defect. p. 319.
- Laperashvili, L. V. - Production of strange particles by a neutrino beam, and U(12) symmetry. p. 327.
- Tsitakishvili, D. A., Tabagua, G. G. - Use of electric prospecting methods in studying karst shows on the site of the future spa "Gagra Al'piskaya." p. 333.
- Varazashvili, V. S., Chachanidze, G. D., Pavlenishvili, T. A. - Study of some thermal and magnetic properties of ferrites in the system $NiFe_2O_4$ - $ZnFe_2O_4$. p. 341.
- Melikadze, I. D., Edilashvili, I. I. - Fluorescence of 1,2-benzanthracene derivatives in the presence of some aromatic amines. p. 347.
- Murav'ev, I. U. A., and others. - Synthesis of heat-resistant polymers containing a symmetrical triazine cycle. p. 353.
- Lashkhi, D. A., Zverev, L. V., Gaprindashvili, V. N. - Wetting of some minerals and oxides by fused chlorides. p. 358.
- Moskhi, A. V. - Distribution of grape proteins on sephadex and their identification. p. 365.
- Kazakhashvili, M. R., Gvalla, N. V. - Glucose effect on transformation of amino acids in rat brain sections. p. 371.
- Kopadze, T. V. - Tectonic pattern in the formation of the relief of Tushetian-Kavkasian. p. 379.
- Kokrashvili, Z. A. - Diabases in carbonate flysch sediments of Lower Svanetia. p. 385.
- Muskhelishvili, L. V. - Some Sarmatian Nassidae of Megrelia. p. 391.
- Tschvrasashvili, D. G. - Theory of the distribution of nonvolatile substances between boiling water and equilibrium steam. p. 399.
- Kirila, T. A. - Evaluating the relative efficiency of a two-section turbodrive. p. 403.
- Iashvili, T. S., Tsagareishvili, D. Sh., Gvellaiani, G. G. - Enthalpy and heat capacity of yttrium sesquioxide and cerium dioxide at high temperatures. p. 409.
- Zvedginidze, I. G. - Determination of essential parameters of complex technological processes. p. 415.
- Mobuke, D. K. - Optimal distribution of priorities in a single-channel queueing system with losses. p. 423.
- Nikoyevskia, R. I., Dzhalchvalashvili, M. M. - Association of nitrifying and denitrifying bacteria in Vinogradskii's medium. p. 431.
- Aljova, L. M. - Anatomical study of the genus *Thymus* L. p. 439.
- Anell, N. A. - Phloem allocation in internodes of angiospermous plants. p. 447.
- Purishaladze, T. D. - Interrelationship of bioelectrical potentials of dormancy between two characteristic points of grapevine. p. 455.
- Aleksidze, G. N. - Study of comparative effectiveness of phosphorus organic preparations against *Lyonetia clerckii* L. p. 459.
- Dzhambazashvili, I. A. S. - Study of Scarabaeidae (Coleoptera) occurring in Kvareli District. p. 465.
- Kakulia, G. A., Deydariani, T.S. G. - Nematodes of *Scotilyus scotilyus* F. from eastern Georgia. p. 469.
- Palashia, D. T., Kuchava, A. G. - Distribution of actinomycetes in soils of Georgia. p. 475.
- Nikolashvili, L. S. - Effect of carbon dioxide on pial arteries supplying blood to the cerebral cortex. p. 483.
- Adamia, I. K. - Characteristics of peripheral marrow blood and hematopoietic organs in normal mice of line C57BL. p. 491.
- Tumanishvili, G. D., Gotsaidze, N. A. - Chemical nature of growth promoting factor of tissue extracts. p. 499.
- Bezarsashvili, L. G. - Thrombohemorrhagic syndrome in acute bleeding. p. 505.
- Labakhua, G. Sh. - Thrombohemorrhagic syndrome in dogs during surgery with the apparatus of artificial blood circulation in vitro. p. 513.

- Kapanadze, R. V. - Dynamics of histochemical ascorbic acid changes in the myocardium following acute progressive fatigue and experimental aortic stenosis. p. 525.
- Beradze, G. N., Nikolaeva, N. V. - Hematopoietic activity of blood serum in erythremia patients. p. 525.
- Aelamazova, E. B. - Experimental morphological study of Ehrlich's ascitic carcinoma in mice CC57 as affected by sodium bromide. p. 529.
- Lomtatidze, K. V. - History of sibilants in proto-Adyghe language. p. 535.

AKADEMIYA NAUK KAZAKHSTANSKOI SSR, Alma-Ata. Vestnik [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Journal]. Alma-Ata, vol. 23, no. 3(263), Mar. 1967.

- Table of contents translated
- Sokol'skil, D. V. - Introductory address of the Vice President of the Academy of Sciences of the Kazakh S.S.R. p. 3.
- Dzhandil'din, N. D. - Principal results of research completed by the Academy of Sciences of the Kazakh S.S.R. in 1966. p. 8.
- Session of the general assembly of the Academy of Sciences of the Kazakh S.S.R. p. 23.
- New members of the Academy of Sciences of the Kazakh S.S.R. p. 24.
- Election of the President of the Academy of Sciences of the Kazakh S.S.R. p. 27.
- President of the Academy of Sciences of the Kazakh S.S.R. Academician Sh. E. Ezenov. p. 28.
- Borukayev, R. A., and others. - Large potential of mineral raw materials for the aluminum industry of Kazakhstan. p. 30.
- Balmbetov, M., Presnitskiy, A. A. - Dependence of the plasticity of binary copper-nickel alloys on temperature and concentration. p. 36.
- Azerbaev, I. N., Sarbaev, T. G., Erzhlanov, K. B. - Diacylene glycols of the heterocyclic series. p. 42.
- Chakabaev, S. E., and others. - Possible sources feeding the Middle Jurassic water-bearing complex of the southern part of the Mangyshlak Peninsula. p. 48.
- Karagushleva, D. - Role of free-living nitrogen-fixing micro-organisms in the accumulation of nitrogen in the soils of Alma-Ata Province. p. 52.
- Shitakhova, A. I., Sokol'skil, D. V. - Glycolide structure and radical redistribution during hydrogenation on Raney nickel catalysts. p. 65.
- Kulemzin, K. N., Onaev, I. A. - Relation between the physical and mechanical properties of copper slag and its viscosity. p. 70.
- Balakov, M. B. - 60th birthday of the member of the Academy of Sciences of the Kazakh S.S.R., S. L. Konesbaev. p. 77.
- Bondarenko, I. I. - Organic matter in the Devonian and Carboniferous deposits of the Atasu region. p. 80.
- Musabaev, G. G. - The Kagan inscription. p. 83.

Vol. 23, no. 4(264), Apr. 1967.

- Table of contents translated:
- Anniversary preparations of the Academy of Sciences of the Kazakh S.S.R. p. 3.
- Socialist obligations of the scientific institutions of the Academy of Sciences of the Kazakh S.S.R. in honor of the 50th anniversary of the Great October Socialist Revolution. p. 4.
- Dakhshelger, G. F. - V. I. Lenin and some problems in the historiography of Kazakhstan. p. 8.
- Ezenov, Sh. E., Kunaev, D. S. - Metallogenic regionalization of eastern Kazakhstan. p. 18.
- Mataev, M. - Dialectics of the object and subject categories. p. 29.
- Azerbaev, I. N., and others. - Synthesis and conversions of piperidine diacylene glycols. p. 36.
- Fain, E. E. - Some problems in the geochemistry of rhenum and the genesis of ores of the Dzhezhkagan deposit. p. 45.
- Gorlaev, M. I., and others. - Studying the conditions of the hydrolysis of tobacco stem cellulose in diluted sulfuric acid. p. 54.
- Dzhumagaliyev, T. N., and others. - Oil and gas potential of the Ural-Volga interfluvium. p. 57.
- Chulakov, Sh. A., Mamutov, Zh. U. - Electron microscope study of micro-organisms from irrigated soils. p. 60.
- Dzhumaliyev, M. K. - "Wonderful network" of the White Sea smelt. p. 63.
- Sallimbaev, A. S., Burd, G. I., Miletskil, B. E. - Mugodzhars Hills as a new anthophyllite-sabotose province. p. 65.
- Sonigova, T. N. - Genesis of the Samirech'ye culture; 9th century B.C. - 12 century A.D. p. 89.
- Zavorokhin, N. D., Maikovskii, P. E. - Copolymerization of ethylene and propylene with the exo- and endoforms of bicyclopentadiene. p. 76.

AKADEMIYA NAUK KIRGIZSKOI SSR, Frunze, Izvestiya, Seriya estestvennykh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGIZ S.S.R. Bulletin. Series in the Natural and Technological Sciences]. Frunze, vol. 8, no. 2, 1964. [Mining].

- Table of contents translated:
- Imaraliev, A. I. - Effect of the place of arranging detonators along the length of the borehole charge. p. 5.

- Shestakov, V. A., Guretskii, V. M., Kuchkin, V. A. - Using shield coverings in the system of induced block caving. p. 11.
- Smirnov, I. U. N. - Large wedge shearing of rock. p. 23.
- Guretskii, V. M., Shestakov, V. A. - Determining the permissible quantity of rock inclusions in the industrial boundary of an ore body. p. 33.
- Aitmatov, I. T. - Some phenomena occurring during the injection of grouting into a fractured medium. p. 51.
- Baranov, E. G., Tangaev, I. A. - Conditions for preserving the primary structure of a massif during maximum shattering of rock. p. 61.
- Shestakov, V. A., Shestakov, B. A., Sorokina, G. P. - Some problems in the theory of drawing ore from blocks. p. 71.

AKADEMIYA NAUK MOLDAVSKOI SSR. Izvestia [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin]. Kishinev, no. 3, 1966. Series in economics.

- Table of contents translated
- Polag, M. A. - Potentialities of irrigation gardening in Moldavia. p. 4.
- Fesenko, I. P. - Ways of reducing the cost of sunflowers in the Moldavian S.S.R. p. 9.
- Fomina, V. M. - "Economic" soil fertility is the most important condition of the efficient use of land. p. 14.
- Dragunov, L. M. - Intensification of production indices and their relations to the use of labor on collective farms. p. 21.
- Rusnak, V. L. - Potentialities of increasing the economic efficiency of producing industrial crops on the collective farms of the Moldavian S.S.R. p. 31.
- Blazh, I. D. - Economic-mathematical model of the optimal production of livestock products. p. 40.
- Nika, M. I. - Developing and improving forms of supplementary wages on the collective farms of Moldavia. p. 50.
- Kanna, F. A. - We are improving wages for collective farmers. p. 55.
- Sekorina, G. M. - Problems of improving the establishment of work norms in machinery manufacturing enterprises of Moldavia. p. 64.
- Votugin, A. K. - What are the benefits of intrafarm specialization? p. 75.
- Kirke, S. I. - Cost indices of the quality of production in machinery manufacturing and metalworking. p. 80.
- Polag, M. A. - Improving the use of Moldavian bodies of water for piscicultural purposes. p. 83.
- Belous, V. M. - Profitableness of fruit production on the farms of the northern part of the forest steppe zone of Moldavia. p. 89.

*AKADEMIYA NAUK SSSR. Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 35, no. 12, Dec. 1965.

- Table of contents translated:
- Problems facing sociologists; at the meeting of the Section of Social Sciences. p. 3.
- Discussion of problems in the planning of prices. p. 11.
- Meloni'ov, L. A. - Problems in the optimization of power balance in the U.S.S.R. p. 17.
- Katsenelinbolgen, A. I., Ovsienko, I. U. V., Faerman, E. I. U. - Some theoretical problems in optimal planning of the national economy. p. 28.
- 30th anniversary of the 7th Congress of the Communist International; scientific conference in Moscow. p. 34.
- Delegation of foreign scientists in the U.S.S.R. p. 42.
- Oravskii, A. N. - Problems in the physics of quantum electronics; results of the conference in Puerto Rico. p. 47.
- Popov, V. I. - Study of nuclear structure by the use of neutrons; conference in Belgium. p. 51.
- Kellis-Borok, V. I. - Computation methods in geophysical research; symposium in Israel. p. 54.
- Lebedev, S. A. - A month in Japan. p. 57.
- Shebalin, N. V. - Seismology and earthquakeproof construction; UNESCO conference in Tiflis. p. 59.
- Vinogradov, V. A. - International congress of the historians of economics in Munich. p. 62.
- Grigor'ian, A. T., Ushkevich, A. P., Pogrebyskii, I. V. - At the international congress of the historians of science in Warsaw. p. 67.
- Nobel prizes of 1965. p. 72.
- Mazing, M. A., Pashinin, P. P. - Conference on atomic spectra and radiation processes held in England. p. 73.
- Gurych, L. V. - Symposium on the thermodynamics of nuclear materials held in Vienna. p. 74.
- Dorodnitsyn, A. A. - Third Congress of the International Federation for Information Processing held in New York. p. 76.
- Meerov, M. V., Utkin, V. I. - Conference on multi-dimensional and discrete systems of automatic control held in Prague. p. 77.
- Vavilov, V. S. - Symposium on the recombination of nonequilibrium current carriers in semiconductors held in Warsaw. p. 78.

- Korzun, V.I. - First session of the Coordinating Council of the International Hydrological Decade held in Paris, p. 79.
- Melnikov, N.V. - Sixth International Mining Congress held in London, p. 80.
- Burshelm, R.Kh., Tarasovich, M.R. - Conference on fuel elements held in Brussels, p. 81.
- Alexeeva, M.A. - Two symposia on problems of genetics held in Czechoslovakia, p. 83.
- Sochava, V.D. - Conference on the standardization of vegetation maps held in Paris, p. 84.
- Uglinskiy, I.U.M. - Symposium of historians in Visby, p. 86.
- Andreasian, R.N. - Scientific conference on the movement of capital and economic development held in Washington, p. 86.
- Eliseev, I.U.S. - Second international conference on Finno-Ugrian studies held in Helsinki, p. 88.
- Molisev, N.N., Krepis, E.M., Afikholsen, M.I.A. - Foreign scientists in the U.S.S.R., p. 89.
- Honorary titles and prizes awarded to Soviet scientists, p. 91.
- Belov, K.P. - Problems in the physics of ferro- and antiferromagnetism, conference in Sverdlovsk, p. 92.
- Ovsienko, D.E. - Study of the mechanism of growth and the impurities of metal crystals, all-Union conference in Kiev, p. 93.
- Vitols, I., Zakis, J., Kundzins, A. - Study of electronic processes in thin-film structures, symposium in Riga, p. 98.
- Bojarchenkov, M.A. - Development of technical ceramics, all-Union conference in Odessa, p. 98.
- Levshin, V.L. - Kinetics of the luminescence of crystal phosphors, conference in Riga, p. 102.
- Lobedincev, V.N. - In the Astronomical Council, plenum of the Commission on Comets and Meteors, p. 103.
- Uzhov, V.N. - Problems in industrial purification of gases, general meeting of the Section of the Physical and Technical Problems of Power Engineering, p. 104.
- Rozhdestvenskiy, G.D. - Control of the pollution of bodies of water, all-Union conference in Kiev, p. 106.
- Donchenko, N.D. - Problems of the theory of friction, wear and lubricating action, all-Union conference in Moscow, p. 107.
- Karavaev, G.A., Vasiliskala, N.S. - Synthesis, study and use of organic peroxides, conference in Lvov, p. 108.
- Vavilov, P.P., Sokolov, V.S., Moiseev, K.A. - New silage plants, symposium in Syktyvkar, p. 110.
- Tolmachev, A.I. - Study and utilization of Alpine flora and vegetation, conference in Pnuare, p. 112.
- Isaev, V.L., Nekrasov, G.A., Mariyov, V.D. - Study of problems of the countries of Northern Europe, scientific conference in Leningrad, p. 113.
- Discussion of linguistic problems, conference of linguists in Makhachkala and Syktyvkar, p. 116.
- V.V. Struve, an obituary, p. 118.
- 100th anniversary of Academician D.N. Prianishnikov's birth, p. 119.
- Unatov, A.A. - 50th anniversary of the All-Union Botanical Society, p. 120.
- 200th anniversary of the birth of Jose Maria Morelos, p. 122.
- Academician A.N. Frankin, Hero of Socialist Labor, p. 124.
- Corresponding member of the Academy of Sciences of the U.S.S.R. P.P. Dudnikov, Hero of Socialist Labor, p. 126.
- Decorations of scientists, p. 127.
- Scientific and organizational decisions of the Presidium of the Academy of Sciences of the U.S.S.R., p. 130.
- Vol. 37, no. 3, Mar. 1967.
- Table of contents translated.
- Annual session of the Academy of Sciences of the U.S.S.R., February 6-7, 1967, p. 3.
- Introductory address by the President of the Academy of Sciences of the U.S.S.R., Academician M.V. Keldysh, p. 5.
- Pelvet, J. - The most important achievements in the field of natural and social sciences in 1966, p. 11.
- Discussion of the annual report, p. 192.
- Confirmation of the appointments of secretaries of departments and heads of the scientific institutions of the Academy of Sciences of the U.S.S.R., p. 205.
- Korolev, S.P. - Outstanding scientist and designer, in memory of Academician, p. 206.
- Academician I.I. Meshchaninov, obituary, p. 213.
- Academician A.N. Terebin, obituary, p. 214.
- Emameli, N.M., Tsygik, G.A., Rakhamanov, G.I. - Delegation of the Academy of Sciences of the U.S.S.R. to the Republic of Cuba; at the conference of the representatives of the academies of sciences of socialist countries, p. 215.
- Kulikov, I.U.I. - Visit of scientists of the German Democratic Republic to the Soviet Union, p. 219.
- Eichfeld, I. - At the anniversary celebration of the Yugoslav Academy of Sciences and Arts, p. 221.
- Brief news and information, p. 224.
- AKADEMIA NAUK SSSR, Dagestanskiy filial, Makhachkala, Institut istorii, jazyka i literatury, Uchenye zapiski [ACADEMY OF SCIENCES OF THE U.S.S.R. Dagestan Branch, Institute of History, Language, and Literature, Studies], Makhachkala, vol. 10, 1967.
- Table of contents translated
- Ramazanov, Kh.Kh. - From the history of the struggle of the peasants of southern Dagestan against serfdom in the 18th century, p. 5.
- Shikhbudaev, M. - The labor movement in Northern Caucasus during the first Russian revolution, p. 22.
- Ganzurov, V.N. - Control by the workers in Dagestan, p. 66.
- Kerimov, I.K. - The role of Dagestan trade unions during large-scale building of socialist competition in the first five-year plan, p. 89.
- Gasanova, A.I. - Employment of women from the mountains in industry, p. 111.
- Kalashov, A.K. - The collective farm economy of Dagestan after the Plenum of the Central Committee of the CPSU in September 1953 (1953-1960), p. 131.
- Gadzhiev, M.G. - Ginchi burial ground from the Bronze Age, p. 166.
- Gadzhiev, A.G. - Data on the paleontology of Dagestan, p. 193.
- Deblorov, P.M. - Sepulchral monuments of Dagestan of the 15th-18th centuries, p. 199.
- Osmanov, M.Z. - Dargwa settlements of the 19th-20th century, p. 214.
- Abdulkarimov, F. - A bard of the Dargwa people, p. 241.
- Abdulkarimov, I.Kh. - Category of grammatical classes of the verb in the Lak language as compared to the Arabic and Dargwa languages, p. 261.
- Mellanova, U.A. - Category of grammatical classes in the Lezghian language, p. 282.
- Magomedov, A.G. - Postposition "bulan" in the Kumyk language, p. 298.
- Gasanova, S.M. - The place of the Urartian dialect in the system of Dargwa language dialects, p. 310.
- AKADEMIA NAUK SSSR, Dneprovskiy filial, Vladivostok, Soobshcheniya [ACADEMY OF SCIENCES OF THE U.S.S.R. Far Eastern Branch Reports], Vladivostok, no. 24, 1965.
- Table of contents translated:
- Marakushev, A.A., Lagovskaya, E.A. - Effect of the chemical potential of boron in hydrothermal solutions on the content of ludwigite in paragenesis with magnetite, p. 3.
- Bulavko, N.V. - Genesis of intrusive complexes of the Telyukha ore zone, p. 9.
- Demchenko, V.S. - Petrological and microchemical characteristics of carbonate-silicophosphate type of rare earth metagranites, p. 15.
- Shashkina, V.P. - Alteration of enclosing rocks adjacent to ore bodies in one of the tin-sulfide deposits of the Maritime Territory, p. 21.
- Korenbaum, S.A., Lennikov, A.M. - Separation of rare earth elements from the Dzhugdzhur Range, p. 27.
- Tolok, A.A., Matorkova, A.M. - Minerals of the epidote group in the Poginsk Massif of nephelitic syenites, p. 35.
- Tolok, A.A., Bazhenova, F.V., Tolok, K.P. - Pyrochlore from the Poginsk alkali intrusion in the Maritime Territory, p. 41.
- Zabarina, T.V. - Axinite of the Lindzin deposit, p. 45.
- Legonkova, G.N., Kalmykova, T.F. - Dispersion of the refraction index in garnets of various genesis, p. 47.
- Kurshakova, L.D. - Apophyllite from borosilicate skarns, p. 51.
- Korolev, D.F., Butayk, L.A. - Mineralogical study of Cenozoic sediments of the Maritime Territory, p. 55.
- Trachenko, E.A., Korolev, D.F. - Tertiary clay minerals of the Glukhov Depression of the Maritime Territory, p. 59.
- Razmakhin, I.U.N. - Differential movements in the formation of Paleozoic sediments of the central Sikhote-Alin' Range, p. 61.
- Kulish, I.I. - Surface textural marks in the iron ore formation of the Usamirsk Pre-Cambrian, p. 67.
- Ivashov, P.V. - Middle Jurassic continental sediments of the Glazovsk syncline of the Russian Platform, p. 69.
- Burilina, L.V. - Facies composition and conditions governing the formation of Zeya loess sediments of the Amur-Zeya Depression, p. 73.
- Kalishchev, O.K., Krasilov, V.A. - Lower Cretaceous sediments of the western shore of Lake Khanka and their fossil flora, p. 77.
- Zimina, V.G. - Upper Permian spore-pollen complexes of the Laoe-In-Gradekovo fold zone and their significance for the study of flora, p. 81.
- Garbuzov, P.S., Khelichkov, L.N. - Temperatures of the formation of sphalerite and galenite in the Verkhne skarn-complex metal deposit (Tetykhe), p. 85.
- AKADEMIA NAUK SSSR, Sibirskoe otdelenie, Sverdlovskiy kompleksnyi nauchno-issledovatel'skiy institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Northeastern Scientific Research Institute, Transactions], Novosibirsk, no. 5, 1963.
- Contents. Koshelkina, Z.V. [Stratigraphy and Jurassic bivalve mollusks of the Vilyuy syncline and Verkhoyansk piedmont] Stratigrafiya i druzhnyye molliuskii iuraskikh otlozhenii Viliyskoi sin-kliny i Priverkholskogo kraevogo progiba. 219 p. illus.
- AKADEMIA NAUK TADZHIKSKOI SSR, Dushanbe, Doklady [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Reports], Dushanbe, vol. 10, no. 2, 1967.
- Table of contents translated:
- Dzhuraev, A.S. - The index and normal solubility of boundary value problems for composite type systems, p. 3.
- Sleisenko, V.I.A., Imomnazarov, B. - The fixed point principle, p. 8.
- Dobrovolskiy, O.V., Osherov, R.S. - Relationship between the diameter of a comet's head and its visible brightness, p. 12.
- Babaev, A., and others. - Use of the radiochemical variant of activation analysis in determining rare earth elements in minerals, p. 14.
- Sadykov, I.U.D., and others. - Synthesis of ethers and esters based on the alkaloid berberine, p. 18.
- Karavaev, N.M., Rumiantseva, Z.A., Pollanskaya, V.S. - Composition of humic acids of fusainous brown coals, p. 22.
- Ocharenko, V.N. - Taxonomic status of some genera names of the Jurassic terebratulids, p. 27.
- Musallan, A.A. - Study of the resistance of clay grounds to the displacement under dynamic loadings, p. 31.
- Drozhdzhina, T.M. - Differential porosity of some soils in the Gissar Valley, p. 36.
- Sapozhnikov, D.I. - Chemistry of the production of oxygen in photosynthesis, p. 40.
- Ibranova, M.M., and others. - Chemical characteristics of Russian limestones in Tajikistan, p. 44.
- Dzhallilov, U.D. - New species of parasitic protozoans in fishes of Vakhsh basin, p. 49.
- Vol. 10, no. 4, 1967.
- Table of contents translated.
- Mukhametiev, E., Pokorniy, I.U.V. - Monotone operators with several fixed points, p. 3.
- An, F.I. - A complex Tauberian theorem for Stieltjes transformations, p. 7.
- Ukhonov, N.N. - Some singular integral equations over a straight line or half-line, p. 10.
- Madinov, Kh. - Tail of the comet Ikaya-Sechi 1965, after perihelion, p. 15.
- Salehildinov, M.L. - Derivation of a closed system of equations in generalized hydrodynamics from Boltzmann's kinetic equation, p. 17.
- Akhmedov, S.Sh. - Critical temperature of the superconducting alloy Nb-Zr, p. 22.
- Malamud, A.S. - New method for estimating the force of earthquakes, p. 25.
- Sadykov, I.U.D., and others. - Synthesis of chloro-, hydroxy-, and nitro derivatives of alkaloid berberine, p. 29.
- Raklina, E.V., Solozhenko, P.M. - Study of the reaction of sodium oleate with some boron silicates and garnet by means of infrared spectroscopy, p. 32.
- Glukhov, I.A., Tursunov, A. - Reducing chlorination of vanadium pentoxide, p. 35.
- Leleshev, V.L. - Isolation of the Pre-Cambrian in the southern part of Central Asia, p. 39.
- Salibaev, G.Kh. - Upper Paleogene red formation of the southwestern spurs of the Gissar Range, p. 42.
- Gordon, S.M., Berezhnaya, V.N. - Method of the calculation of the flow of mountain rivers in the flood period, p. 45.
- Orlov, A., Shaforshtein, I.A. - Modification of the method of protein determination in grain, p. 49.
- Baeva, V.G. - New species of jumping plant lice (Homoptera, Psyllodea) from Tajikistan, p. 53.
- Volkov, A.N., Teshayev, S. - Effect of cerium on abrasive wear resistance of manganite cast iron, p. 59.
- AKADEMIA NAUK TADZHIKSKOI SSR, Dushanbe, Otdelenie obshchestvennykh nauk, Izvestiya [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Social Sciences, Bulletin], Dushanbe, no. 1(47), 1967.
- Table of contents translated:
- Radzhabov, Z.Sh. - The Insurrection of 1918 and its historical significance, p. 5.
- Iskandarov, B.I. - The Insurrection of 1918 in Khodzhen and its influence on other regions of Central Asia, p. 10.
- Khaidarov, G. - Prerequisites for the insurrection of 1918 in the northern regions of Tajikistan, p. 18.
- Babakhanov, M. - Industry and the condition of handicraftsmen and workers of the Khodzhen County on the eve of the insurrection of 1918, p. 27.

- Mukhtarov, A. - Peasant uprising in the region ruled by the Bol'dzhuan Begs in 1916. p. 33.
- Negmatov, N. - Khodzhen in the second half of the 19th and the beginning of the 20th century; problems in the reconstruction of the city, the size and ethnic composition of the population. p. 30.
- Maraliev, S. - On the history of the culture of Khodzhen on the eve and during the period of the insurrection of 1916. p. 54.
- Toshmatov, R. - Reflection of the Khodzhen insurrection of 1916 in Soviet Tajik literature. p. 63.
- Meskhkeria, V. A. - Collection of toria-cottas in the Historical Museum of the Academy of Sciences of the Uzbek S.S.R. p. 80.
- Radzhabov, Z., Dzhamalov, K. - Important study devoted to the events on the eve of the annexation of Central Asia to Russia. p. 95.
- AKADEMIYA NAUK TURKMENSKOI SSR, Ashkhabad Iztvishna. Seriya obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Social Sciences]. Ashkhabad, no. 1, 1967.
- Table of contents translated
- Rosilukov, A. A. - Characteristics of the strategy and tactics of the Bolsheviks during their preparations for and carrying out of the October Revolution in Central Asia. p. 3.
- Poladova, O. - Women's work in the rural areas of Turkmenistan during the completion of the building of socialism, 1951-1958. p. 13.
- Mandel'shtam, A. M. - Archaeological studies in Charsang District. p. 21.
- Sosonkin, I. L. - Category of the beautiful in the aesthetic views of Molla Nepes. p. 32.
- Anatolychev, A. A. - Industrial development of the Turkmen S.S.R. during the fourth five-year plan. p. 43.
- Kaishev, Kh. - Using available labor supply and increasing labor productivity in collective farming. p. 53.
- Mukhammedova, Z. B. - Publication of some Arabic linguistic studies of the 11th-14th centuries. p. 70.
- Orazova, Z. A. - Some characteristics of the development of the terms and names of agricultural implements in the Russian language. p. 93.
- IRKUTSK, UNIVERSITET, Tруды [UNIVERSITY. Transactions]. Vol. 20, 1958. Seriya lingvosticheskie [Linguistics series], no. 1.
- Table of contents translated:
- Trofin, G. V. - Soviet linguistics for forty years. p. 3.
- Rygidyon, E. R. - Gumbuzhab Tsybikovich Tsybikov as a philologist. p. 19.
- Sklarov, V. T. - Principal methods of the usage of phraseological units in F. G. Gladkov's trilogy. p. 31.
- Skhidlo, A. I. A. - The problem of synonyms. p. 57.
- Vorontsova, K. B. - Some observations on compound nouns in the contemporary Russian language. p. 67.
- Gorbunov, A. P. - Observations on the author's corrections in the novel "Cement." p. 87.
- Trofin, G. V. - Observations on the provincial vocabulary of Eastern Siberia of the second quarter of the 19th century. p. 103.
- Autunlan, M. L. - Some observations from the history of the formation of dialects. p. 125.
- Shklarov, V. T. - Phraseological synonyms in the trilogy of F. V. Gladkov. p. 143.
- Skhidlo, A. I. A. - Synonymic relationship of dialect and literary words in M. Sholokhov's novel "Seeds of tomorrow." p. 167.
- Vorontsova, K. B. - Multisyllabic words in the contemporary Russian language. p. 189.
- Novocelova, K. D. - Observations on the orthography and phonetic structure of the business documents of the office of Ulin voevods in the late 17th and early 18th centuries. p. 211.
- Vol. 33, 1964. Seriya literaturovedeniya i kritiki [Series of literary study and criticism], no. 4.
- Table of contents translated
- Rubanovich, A. L. - L. N. Tolstol about I. M. Lermantov. p. 3.
- Tenditnik, N. S. - The revolution of 1905 was crushed, long live the revolution. p. 11.
- Kovrigina, N. V. - J. Becker's prose in the period of the 'twenties. p. 29.
- Petrova, Q. A. - Subject and literary characteristics of the Roman fable. p. 67.
- Chernyshova, T. A. - The question of tradition in science fiction literature. p. 83.
- Kleimenova, G. V. - The poem "Sadness of the fields" by S. Sergeev-Tsenski. p. 107.
- Vereshchagina, A. A. - Problems of the intellectuals in the works of I. K. Olesia. p. 131.
- Zabolin, P. V. - Topic and style of the early stories of I. A. Bunin. p. 165.
- Leonov, B. P. - Reflection of the philosophical search of the Russian intellectuals in I. T. Kalashnikov's novel "Automaton." p. 183.
- Klimov, I. U. D. - The detail as an aesthetic estimation in K. Fedin's novel "Bonfire." p. 197.
- Vol. 39, 1965. Seriya iuridicheskaya [Juridical Series], no. 7, pl. 2. Problems of the Soviet state and law. Table of contents translated
- Arsen'ev, V. D. - Correlation of gnosiological and legal problems in the establishment of truth in criminal cases. p. 5.
- Ivanov, O. V. - Problems concerning the further development of the theory of trial evidence in civil procedure. p. 21.
- Bonner, A. T. - Some characteristics of the presentation of evidence in cases arising from the relations governed by administrative law. p. 39.
- Orlov, G. S. - The subject of evidence in the trial of cases concerning the overstatement of achieved results. p. 53.
- Kop'eva, A. N. - Difference between documents as a form of evidence and the documents which constitute real evidence. p. 67.
- Orlov, I. U. K. - Procedural character of the submission of real evidence by the parties taking part in judicial proceeding as well as by outsiders to the organs of pretrial investigation. p. 75.
- Medvedev, N. N. - Tactics of the interrogation of suspects. p. 85.
- Krylova, Z. G. - Some unsolved problems in the application of the principle of execution in delivery of goods contracts. p. 115.
- Kalkova, E. A. - Some problems concerning the conclusion of delivery of goods contracts. p. 131.
- Semcovov, V. A. - Regulation of commercial contacts in supplying collective and state farms with agricultural machinery. p. 145.
- Vilenberg, G. B. - Some theoretical and practical problems of the imposition of public control and education as a penalty instead of the regular forms of punishment for criminal offenses. p. 161.
- Mazniak, K. V. - Correlation of punishment and education during the imprisonment. p. 183.
- Kurylev, S. V. - Significance of actual circumstances in the implementation of the norms of Soviet laws. p. 195.
- Gekker, E. B. - Some problems of the judicial review of administrative acts. p. 215.
- Gl'derman, S. L. - Problem of liability for damage caused in the situation of extreme necessity and self-defense. p. 231.
- Krylova, Z. G. - New developments in Soviet inheritance law. p. 245.
- KOSTROMA, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies]. No. 9, 1963.
- Table of contents translated:
- Korobkov, D. P. - Some problems of the state and the dictatorship of the proletariat in the light of the program of the CPSU. p. 5.
- Lunova, F. M. - Early history of competition for communal labor in the industrial enterprises of Kostroma. p. 17.
- Levin, D. M. - Capitalism of state monopolies and the "integration." p. 28.
- Milovidov, V. L. - How the Central Committee of the Russian Communist Party (Bolsheviks) helped the party organization of the Kostroma Government during the civil war, 1918-1920. p. 43.
- Siniazhnikov, M. I. - The Kostroma organization of the Bolsheviks in the struggle for the introduction of labor control and the carrying out of the nationalization of industry and the land decree, October 1917-September 1918. p. 52.
- Belov, M. N. - The labor movement in central Russia in 1895-1899; based on the materials of the Vladimir Government. p. 74.
- Shutman, I. P. - History of the Austrian Communist Party's struggle for the united front of workers, middle 1934-middle 1935. p. 97.
- Mlagkova, E. K. - Work of parents' committees in schools. p. 114.
- Tikhonov, A. A. - The system and planning of the education of students during classwork. p. 126.
- Shapovalov, I. A. - Intensifying the educational process; work experience of Kostroma teachers. p. 150.
- Nol'man, M. L. - An attempt to reconstruct a line in N. Krasov's poem. p. 172.
- P'ianikh, M. F. - Evgenii Vinokurov's lyric poems. p. 184.
- Minukhina, O. A. - The vocabulary of 7th grade students. p. 195.
- P'ianikh, L. I. - Industrial forms in "Three ends," a novel by D. N. Mamin-Sibirsk. p. 213.
- Shapovalova, T. A. - Verbs with suffixes ending in -ova and their variations in the Russian literary language of the 18th century. p. 232.
- Shklia, G. Z. - Origin of the dialects of Kostroma Province. p. 247.
- LENINGRAD, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT IMENI A. I. GERTSENA, Uchenye zapiski [A. I. HERTZEN STATE PEDAGOGICAL INSTITUTE, Studies]. Vol. 200, 1966. Regional geology and minerals of the U.S.S.R.
- Table of contents translated:
- Kadenskaya, M. I., Leonova, E. P. - Research and teaching activities of A. S. Ginzberg. p. 5.
- Kuznetsov, S. S. - Life and work of A. A. Kadenskii. p. 17.
- Kamyshcheva-Elpat'evskaya, V. G. - The organic world as an indicator of paleogeography and conditions governing the formation of minerals of sedimentary origin. p. 30.
- Kamyshcheva-Elpat'evskaya, V. G. - Relationship between geological and geomorphological phenomena, as revealed by a study made in the lower Volga Valley. p. 43.
- Kadenskii, A. A., Kadenskaya, M. I. - Isolation of formations of rocks in Pre-Cambrian layers. p. 55.
- Kadenskii, A. A., Kadenskaya, M. I. - Relationship between regional and contact metamorphism. p. 62.
- Kadenskaya, M. I. - Characteristics of ultrabasic rocks of the Anabar, Aldan, and Ukrainian Shields. p. 69.
- Leonova, E. P. - Stages of the metamorphism of Archean carbonate rocks and their connection with metamorphic facies of enclosing rocks. p. 101.
- Leonova, E. P. - Metamorphism of Archean Carbonate rocks in the Southern Bug Basin (Ukrainian Crystalline Shield). p. 117.
- Ksenofontov, O. K. - Alkali intrusions of the Mugodzhara Hills and the Turgay Depression. p. 140.
- Ksenofontov, O. K. - Petrography of the Carboniferous spilite-keratophyre formation of the Mugodzhara fold area. p. 161.
- Rozhko, E. E. - Subvolcanic formations and volcanic apparatus of the lower Zhamsh Valley (central Kazakhstan). p. 191.
- Rozhko, E. E. - Dzhudzha apofusive massifs of secondary quartzites (central Kazakhstan). p. 210.
- Lufanova, M. E. - Age and thickness of Malkop layers in central Kazakhstan. p. 221.
- Lufanova, M. E. - New data on the stratigraphy of Middle Devonian sediments of the Abbasov structural-facies zone in the northwestern part of the Lake Balkhash region. p. 234.
- Vysokostrovskaia, E. B., Kochkin, G. B. - Some petrological and geochemical characteristics of granitoids of the Gornyy Alai complex. p. 239.
- Sviridenko, V. T. - Isolation of the Iuganaki complex (Olekma-Vitim mountain land). p. 255.
- Bolshikov, A. F. - Relation of effusives to intrusive rocks in the Ulan mountain chain (southeastern margin of the Aldan Shield). p. 276.
- Pykina, A. K. - Pyrite concretions in Dityonema shales. p. 284.
- Sergeeva, S. P. - Distribution of conodonts in Lower Ordovician sediments in Leningrad Province. p. 331.
- Sergeeva, S. P. - Methodology of conodonts from rock. p. 360.
- Kunyshcheva-Elpat'evskaya, V. G. - First out-of-town paleontological session and its methodological significance for paleontologists and lithologists. p. 364.
- Baranov, V. N. - Preservation and conditions governing the burial of Jurassic ammonites in the Yaroslav portion of the Volga Valley. p. 371.
- Vol. 204, 1966.
- Contents: Skrynnikov, R. G. [Early history of the Orychinskii Nachalo oprichniny. 416 p.
- No. 297, 1966. Development of independence and activity in students.
- Table of contents translated:
- Ganelin, Sh. I. - Development of activity and independence as the characteristic traits of students. p. 5.
- Zenchenko, N. S. - Development of activity and self-reliance of students in the course of instruction in public and private secondary schools in Russia; based on the material of St. Petersburg schools. p. 28.
- Monzhala, E. S. - Development of the social activities of students in the Leningrad schools of the 1920's. p. 62.
- Kazakova, M. G. - Inculcation of moral ideals in the Commune of the Young Students of Frunze District. p. 95.
- Radina, K. D. - Development of moral feelings in the Pioneers. p. 117.
- Shehukina, G. I. - Experimental study of the cognitive interests of youth. p. 143.
- Konnikova, T. E. - Role of creative games in the educational work of schools. p. 171.
- Ivanova, A. G. - School Komsomol organizations and their role in the development of the social activities of senior students. p. 211.
- Lubitskii, M. I. - Individual approach to students in the educational theory and practice of Russian prerevolutionary schools. p. 228.
- Skinder, A. V. - Drawing the parents into the realization of universal elementary education in schools. p. 246.
- Gromskaya, A. K. - Television broadcasting in class-work. p. 267.
- LENINGRAD, UNIVERSITET, Uchenye zapiski [UNIVERSITY, Studies]. No. 325, 1964. Seriya filologicheskikh nauk [Series in the Philological Sciences: Problems of phonetics], no. 69.
- Table of contents translated:
- Zinder, L. R. - Influence of the speaking speed on the formation of individual sounds. p. 3.

- Vol. 22, no. 5, Mar. 1967, *Ekonomika, filosofiya, pravo* [Economics, Philosophy, Law], no. 1.
 Table of contents translated:
 Tsiurpanov, S. L. - The 50th anniversary of Lenin's theory of imperialism, p. 5.
 Smirnov, I. K. - Land valuation in a socialist society, p. 25.
 Petrova, I. I. - An hourly-bonus wage system and the regulation of its increase, p. 36.
 Dobrakov, V. A. - Establishing norms for manual operations, p. 44.
 Gichkin, V. N. - Some problems of the formation and use of funds for the economic stimulation of enterprises, p. 52.
 Miklin, A. M. - Determining the conception of the progressive development of living organisms, p. 58.
 Eitnov, I. U. - Epimorphosis as a special form of anamorphic evolution, p. 66.
 Astaf'ev, A. K. - Philosophical and biological aspects of the reliability of living systems, p. 74.
 Fedorov, I. U. - Political parties as a subject of bourgeois sociological studies, p. 83.
 Sorokin, V. D. - Implementation of the legal norms of administrative procedure, p. 93.
 Pashkov, A. S. - Development of the Soviet citizens' right to education, p. 100.
 Fedoseev, A. A. - Logic of legal normative acts, p. 112.
 Basaliev, A. N. - Recording the results of the examination of the place of crime and its significance as a form of evidence, p. 118.
 Bashist, G. N. - Correlation among observers, equipment, and the objects of experiments in microphysics, p. 122.
 Berson, A. S. - Substantial novelty of inventions as a criterion for the conferment of patents, p. 125.
 Korol'kov, A. A. - Some remarks apropos of the methodological significance of the concept of medical norms, p. 130.
 Semchenova, L. I. - Relations among participants in the direct transportation of goods, p. 133.
 Shafranovskiy, L. A. - Special aspects of accounting for mechanized labor in relation to the general amount of work, p. 138.
- Vol. 22, no. 6, Mar. 1967, *Geologiya, geografiya* [Geology, Geography], no. 1.
 Table of contents translated:
 Altman, L. P. - Economic geography at Leningrad University, p. 7.
 Drozdov, O. A. - Statistical study of correlation equation of heat and water balance on active surface of land, p. 17.
 Lebedev, V. I. - Contribution of Soviet science in study of isomorphism, p. 28.
 Grigor'ev, D. P. - Ontogeny of chemical impurities in minerals, p. 31.
 Lebedev, V. I. - Orbital dimensions of atoms, a new system of radii and characteristics determining interatomic distances and isomorphism, p. 43.
 Shafranovskiy, L. I. - History of development of study of isomorphism, p. 62.
 Urusov, V. S. - Polarity of chemical bond and polarity of isomorphic substitution of atoms, p. 70.
 Solodov, N. A. - Some illustrations of effect of ionization potential of rare elements on their behavior in pegmatite process, p. 74.
 Nikulin, N. N. - Distribution of indium, columbium, and scandium in cassiterites of Khatanga deposit, p. 81.
 Novozhilov, A. I., Samoilovich, M. I., Sergeev-Dobry, A. A. - Study of microisomorphism in synthetic fluorophosphate by the method of electronic paramagnetic resonance, p. 88.
 Zorin, E. S., and others. - Isomorphism of Zn and Cd, Zn and Ge in sphalerites in light of new data on deposits in Karai (South Kazakhstan), p. 91.
 Kropachev, A. M., Kropacheva, T. S. - Isomorphism of rubidium in syngenite and carnallite from Verkhnekamskoye deposit, p. 94.
 Ermolaev, M. I., Mironova, G. P. - Increase of solubility of microimpurity by sediment in isomorphic coprecipitation in disequilibrium conditions, p. 97.
 Kamentsev, I. E. - Significance of X-ray study for revealing nature of microisomorphic replacement; as revealed by study of quartz and feldspar, p. 99.
 Shadun, T. N. - Some results of studying sphalerite composition as a "geothermometer," p. 102.
 Isachenko, A. G. - Landforms of Slovakia, Part I, p. 108.
 Guntlev, L. N. - Concerning the unity of geography (landforms and ethnics), Part 8, p. 120.
 Nikolaeva, T. V., Shuvailov, V. F. - New data on Pleistocene glaciation of Khangay and Gobi Altai, p. 130.
 Sofer, M. G. - Dependence of passage capacity of channel on height of level in ice clogging; as revealed by study of Sukhona River, p. 140.
 Baas, S. V. - Determining structure of streamflow based on observations of runoff from experimental plots and small drainage basins, p. 149.
 Creative path of a scientist: on 80th birthday of B. N. Semevskiy, p. 155.
 Altman, L. P. - Development and distribution of production forces in the northern part of the European U.S.S.R., p. 158.
- Rumtsh, A. K. - Glaciological and geomorphological studies of Tien Shan Expedition of Leningrad State University in Terekhan Alatau, p. 158.
 Samaitina, V. S., Sokolov, N. N. - Death of Nikolai Lichkov; obituary, p. 160.
- Vol. 22, no. 7, Apr. 1967, *Matematika, mekhanika, astronomiya* [Mathematics, Mechanics, Astronomy], no. 2.
 Table of contents translated:
 Lebedev, N. A., Lozinskii, S. M., - Vladimir Zaslavskiy Smirnov and the advance of mathematics at Leningrad University, 1917-1967, p. 7.
 Aleksandrov, A. D. - Some estimations of solutions to the Dirichlet problem, p. 19.
 Akllov, G. P., Karlovich, I. V., Rubinshteyn, G. Sh. - Extremum states and extremum control, p. 30.
 Eshelby, V. M. - Conservation of energy in the propagation of nonsteady-state waves, p. 39.
 Dirman, M. Sh., Solominsk, M. M. - Formulations of singular values of integral operators, Part I, p. 43.
 Ladyzhenskaya, O. A., Urat'seva, N. N. - Quasilinear equations with respect to weak solutions to parabolic equations, p. 54.
 Lebedev, N. A. - Applicability of the principle of areas to problems involving nonoverlapping domains (Supplement), p. 64.
 Lozinskii, S. M. - Deficient and nondifferentiability of numerical integration of ordinary differential equations, p. 74.
 Maz'lin, V. G. - Solubility in W_2 of the Dirichlet problem in a domain with a smooth irregular boundary, p. 87.
 Miklin, S. G. - Further study of Commutator function, p. 96.
 Khavtin, V. P. - Continuity in L_p of an integral operator with Cauchy kernel, p. 103.
 Yakubovich, V. A. - Frequency conditions for the solvability of the solutions to nonlinear integral equations describing automatic control, p. 109.
 Barantsev, R. G. - Asymptotic behavior of a single reflection from a surface of slight roughness, p. 114.
 Kholshchikov, K. V. - Application of the method of averaging to the problem of motion of a non-spherical planet in the gravitational field, p. 114.
- MOSCOW, MOSKOVSKIY GOSUDARSTVENNIY UNIVERSITET, Uchenyye zapiski [Moscow State Pedagogical Institute, Studies], 279, 2, 1963, *Voprosy teoreticheskogo obshchestvennogo i kul'turnogo kapitalizma* [Problems concerning the third phase in the general crisis of capitalism], no. 1.
 Table of contents translated:
 Kolmakov, G. E. - Integration, Western Europe, and the U.S.A., p. 3.
 Kolmakov, G. E. - "Integration" and the aggregation of contradictions between monopolies and all the strata of the people, p. 203.
 Kochetkov, A. I. - Aggravation of contradictions between the imperialist states of the world capitalist system, p. 297.
- No. 213, 1964, Foreword.
 Table of contents translated:
 Gorbanev, N. A. - G. V. Plukhanov and Popular Literature of the 1870's and 1880's, p. 11.
 Kedrovskiy, A. E. - Theomachist mysticism in the philosophical lyrics of M. I. Lermontov, p. 52.
 Megaveva, K. I. - Character portrait in the novel "Poor folk" by F. M. Dostoevskiy, p. 73.
 Rot, T. A. - The village in the lyrics of Turgenyev, p. 105.
 Meshcheriakov, V. P. - D. V. Grigorovich's novel "Fisherman" as an attempt to portray the life of the people, p. 128.
 Meshcheriakov, V. P. - The unfinished novel of D. V. Grigorovich "Two gonorals," p. 139.
 Barmin, A. V. - The ethics of impiety in the literature of the beginning of the 1860's; the tales of M. G. Pomalovskiy, p. 153.
 Sergeeva, N. A. - N. A. Blagoveshchenskii in "Russkoe slovo," p. 181.
 Il'in, V. V. - Pisarev and Dobrolubov, p. 203.
 Guseva, I. I. - Feuilleton review by D. D. Minaev "Diary of an uneducated man," p. 232.
 Guseva, I. I. - The satirical poem of D. D. Minaev "Evgenii Onegin of our time," p. 251.
 Pirogov, G. - A. N. Ostrovskiy's satire of the second half of the 1870's, p. 273.
 Troitskiy, V. I. - The artistic originality of the legends of M. S. Leskov, written according to the materials of the "Prolog," p. 302.
 Tkachina, N. V. - Early stories of I. A. Dunin which appeared in the periodical "Russkoe bogatstvo" in the 1880's, p. 325.
 Prokop'ev, V. - The struggle for equal rights as depicted in the images of women in the works of N. G. Garin-Mikhailovskiy, p. 344.
 Govorov, S. - Dramaturgy of A. V. Lunacharskiy during the period of the Russian civil war, 1918-1921, p. 382.
 Zel'manova, L. M. - The question of formation of aesthetic judgment and appraisal in senior students, p. 383.

- Kossovich, A. P. - Developing feelings and thought in students during classwork on expressive reading of lyric works. p. 424.
- Trofimova, V. V. - Study of narrative prose works in the fifth grade of an eight-year school. p. 445.
- Iarembash, N. I. - The study of style of literary works in the senior grades of secondary schools. p. 478.
- SARANSK, MORDOVSKII GOSUDARSTVENNYI UNIVERSITET, Uchenye zapiski [MORDVIN STATE UNIVERSITY, Studies], No. 13, 1964, Mordvin philology series.**
- Table of contents translated:
- TSyganov, N. F. - Vowels of the first syllable in the Mordvin dialects, brief conclusions. p. 3
- Bibin, M. T. - Dialects of the Naskafym Mordvins. p. 19.
- Matushkin, P. G. - Formation of verbs from names in Mordvin languages. p. 100.
- TSyganov, N. F. - The absolute (caseless) form. p. 179.
- TSyganov, N. F. - Secondary declension of nouns. p. 192.
- Makarov, F. A. - Folklore work of M. E. Evseyev, on the centenary of his birth. p. 198.
- No. 54, 1966. Ecologic and faunistic relationships of some groups of invertebrates and vertebrates.
- Table of contents translated:
- Anisferova, T. A. - Effect of undersowing of peas and beans with different phacelia norms on the composition of entomofauna and main crop yield. p. 7.
- Anisferova, T. A., Dobrosmylov, P. A., Makarov, A. T. - Some data on insects in Vicia faba L. fields. p. 29.
- Anisferova, T. A., Gordeev, G. S. - Pollination of broad bean by bees. p. 53.
- Anisferova, T. A., Dobrosmylov, P. A. - Entomofauna of vetch-oat-phacelia and vetch-oat mixtures in Mordvinian A. S. S. R. p. 64.
- Anisferova, T. A., Dobrosmylov, P. A. - Injuriousness of jumping bean moth. p. 82.
- Anisferova, T. A. - Wild solitary bees, the pollinators of alfalfa. p. 96.
- Anisferova, T. A., Dobrosmylov, P. A. - Utilization of bees for pollination of melons in Tajikistan. p. 104.
- Dobrosmylov, P. A. - Chalcid files of the genus *Elabrocetus* Thoms., parasites of *Anthonomus pomorum* L. p. 110.
- Skrebtsova, N. D. - Utilization of bees for producing vegetable seed hybrids. p. 124.
- Ialovitsyn, M. V. - Toxicity of bacterial insecticides to bees. p. 131.
- Dobrosmylov, P. A., Iarmukhametov, G. T. - Fish parasites in bodies of water of Mordovia. p. 137.
- Machinskii, A. P., Dobrosmylov, P. A. - Helminths of muskrats in Mordovia. p. 153.
- Machinskii, A. P., Dobrosmylov, P. A., Semov, V. N. - Occurrences of *Echinococcus granulosus* (Natsch, 1786, Rudolphi, 1801) in a wolf in Mordovia. p. 156.
- Dobrosmylov, P. A., Machinskii, A. P. - Gastropoda as intermediate hosts of animal and human helminths in Mordovia. p. 161.
- Dushin, A. I. - Malorials on fishes in the Moksha River. p. 171.
- Dushin, A. I., Antinamov, V. I. - Sivin' and Issa rivers as spawning ground for fishes of the Moksha River. p. 200.
- Dushin, A. I., Seiozhikina, A. N. - Relationship between the size of pharyngeal teeth of *Abramis Brama* L. and body length and weight. p. 204.
- Dushin, A. I., Seiozhikina, A. N. - Common fish from the Moksha River. p. 207.
- Dushin, A. I. - Migration of *Coregonus autumnalis* Pall. in Pyasina Bay of the Kara Sea. p. 210.
- Dushin, A. I. - Ornithological observations in the Moksha floodplain in summer of 1964-1965. p. 217.
- Dushin, A. I. - Changes in population dynamics of murine rodents in pea fields after harvest. p. 228.
- No. 56, 1966.
- Contents: [Useful and harmful plants of the Mordovin A. S. S. R.] Poleznye i vrednye rasleniya Mordovskoi ASSR. 90 p.
- TASHKENT, UNIVERSITET, Sbornik rabot aspirantov [UNIVERSITY, Graduate Student Papers], No. 254, 1964, Istoriia KPSS, Istoriia [History of the CPSU, History]**
- Table of contents translated:
- Kunayina, G. S. - History of the revolutionary activities of the employees of Turkestan railroads in the late 19th and early 20th centuries. p. 5.
- Gilfaziddinova, E. V. - Struggle for the adoption of the Marxist-Leninist program at the Second Congress of the Russian Social Democratic Party. p. 19.
- Matekevich, D. N. - Struggle of the trade union of the workers of the cotton spinning industry for the consolidation of the alliance of workers and rural toilers, 1921-1928. p. 32.
- Bukulova, Z. M. - History of efforts to draw Kara-Kalpak women into social and political life, 1925-1928. p. 44.
- Orazimbetov, Sh. - Struggle of the party organization of Uzbekistan for the development of industry in 1927-1930. p. 57.
- Brodekil, M. I. - History of the party control of governmental agencies in Uzbekistan during the first five-year plan. p. 67.
- Azharov, A. - Struggle of the party organization of Uzbekistan for the establishment and development of boarding schools. p. 77.
- Ashurov, R. - History of the education and training of the operators of agricultural machinery. p. 84.
- Gareeva, F. A. - The party guidance of socialist competition on the eve of the 22d Congress of the CPSU. p. 93.
- Gilin, S. I. - How we carry out the Leninist nationalities policy. p. 116.
- Kasymova, A. - The development of libraries in the Turkestan A. S. S. R., 1918-1924. p. 139.
- Babadzhanova, M. M. - Growing network of cultural and educational institutions in the villages of Uzbekistan, 1925-1927. p. 152.
- Erin, E. Kh. - Role of cotton growing cooperatives in the restoration and socialist reconstruction of cotton growing in the Uzbek S. S. R., 1924-1929. p. 157.
- Nurillov, A. - Mass and party work of the political divisions of machine-tractor stations in Uzbekistan, 1933-1934. p. 165.
- Akopian, N. A. - Julius Fucik in Uzbekistan, 1934-1935. p. 173.
- Khalmuratov, A. - Present-day international contacts of the U. S. S. R. and Uzbekistan. p. 183.
- Mazaeva, L. M. - History of the deportation of anti-government politicians to Turkestan, the Polish deportees. p. 193.
- Dmitriev, L. G. - The National Archives of India. p. 203.
- Alubdzhanova, M. - Problem of the emancipation of women in Turkestan. p. 207.
- Dmitriev, G. L. - Ethnographic data on East Indian immigrants in Central Asia. p. 214.
- Rakhmanova, R. - Social structure of Central Asia in the fourth century B. C. p. 221.
- TIFLIS, UNIVERSITET, Trudy [UNIVERSITY, Transactions], No. 103, 1965.**
- Table of contents translated
- Dzhibuti, R. I. - Some nuclear reactions and nuclear correlations in light nuclei. p. 7.
- Teplitskii, E. Sh. - Regge trajectories in the theory of scattering. p. 65.
- Gachechiladze, T. G. - Nyquist's generalized formula. p. 75.
- TSilopsani, T. P. - Optimal code for the Georgian alphabet. p. 81.
- Milashvili, G. M., Kavladze, M. Sh., Dolidze, G. M. - Laboratory-type mass spectrometer. p. 85.
- Marianashvili, G. M., Kavladze, M. Sh., Abashidze, I. V. - Isotopic composition of potassium. p. 91.
- Miranashvili, G. M., Kikiani, B. I. - Mass-spectrometric measurement of minor variations in the S^{32}/S^{34} ratio in sulfides. p. 97.
- Gedevanishvili, L. D., Sakvarelidze, N. I. - Study of the separation curve and energy spectrum of the penetrating component of cosmic radiation at a depth of 200 miles water equivalent. p. 105.
- TSetskiladze, T. V., Bodokila, L. V. - Decomposition of complex iron compounds by radiation. p. 139.
- TSetskiladze, T. V., Bodokila, L. V. - Oxidation of iron sulfate under neutron bombardment in the presence of lithium salts. p. 145.
- Mdivani, O. M. - Correlation effects in hexagonal crystals during diffusion. p. 151.
- Bokuchava, N. V., Gachechiladze, T. G., Mdivani, O. M. - A model for ordering an alloy. p. 163.
- Bokuchava, N. V., and others. - Remarks on a mathematical model for the formation of syllables in the Georgian language. p. 169.
- Bokuchava, N. V., Gachechiladze, T. G. - Method for studying the statistical structure of printed information. p. 173.
- Berulava, B. G., Samdze, T. I. - Paramagnetic resonance of erbium nitrate. p. 183.
- Boblashvili, Sh. L. - Law of distribution of the deficiencies of certain radio electronic systems. p. 187.
- Zhgenti, T. G., Kakhlugin, B. A. - The ternary code number system in tunnel diodes. p. 193.
- Zhgenti, T. G. - Theory of performance of a generator of sinusoidal oscillations operating on a tunnel diode. p. 199.
- Kobakhidze, M. Sh. - Theory of superhigh-frequency electron tubes with cylindrical electrodes. p. 203.
- TOMSK, UNIVERSITET, Uchenye zapiski [UNIVERSITY, Studies], No. 40, 1962.**
- Table of contents translated.
- Vorob'eva, I. A., Palagina, V. V. - The teaching of the Russian language under conditions of the old-resident dialects of Tomsk Province. p. 3.
- Ivanova, F. P. - Everyday vocabulary in the dialects of the old-resident districts of Tomsk Province situated along the Ob' River and its tributaries. p. 47.
- Blinova, O. I. - Terminology of logging and floating in the dialects of the villages along the Tom' River. p. 60.
- Sokolov, O. M. - Methods of studying the characteristics of verb formation in the Russian dialects. p. 63.
- Gordeeva, O. I. - Some observations on the mastering of the Russian language by the Tatars in the surroundings of the Russian old residents. p. 75.
- Zhdikova, G. F. - The work of N. V. Gogol' on the language of the poem "Dead souls." p. 81.
- Klimovskaya, G. I. - Repetition of prepositions in some Indo-European languages. p. 91.
- Molina, E. F. - Experience in translating. p. 99.
- Blinova, O. I., and others. - E. P. Molchanova's article "Agricultural vocabulary in the dialect of the old residents along the Tom' River." p. 105.
- No. 56, 1966, Sbornik rabot aspirantov Kafedry Istori KPSS [Collected studies of the postgraduate students of the Department of History of Tomsk University], no. 3.
- Table of contents translated:
- Timofeeva, F. M. - How the party organization of the Gorno-Altai Autonomous Province supervised the development of public health services in 1920-1937. p. 3.
- Podruchkin, G. I. - History of the struggle against the illiteracy of the adult population of Western Siberia, 1928-1932. p. 23.
- Bukov, V. N. - Party organizations of the rural areas of Western Siberia in the struggle for over-all collectivization and the elimination of wealthy peasants as a social class, from 1929 to the spring of 1930. p. 40.
- Kupert, I. V. - The rural soviets of Western Siberia during the election campaign of 1930-1931. p. 69.
- Orlanskii, S. F. - Efforts of the party organization of the Kuznetsk Basin to enhance the role of rural soviets in economic and cultural development, 1956-1958. p. 82.
- Lamanskaya, E. G. - Atheistic education of schoolchildren in the Khabarsk Autonomous Province of Krasnoyarsk Territory. p. 100.
- Lebedev, A. I. - Work experience of party headquarters at the construction site of the Kemerovo Housing-Construction Combine in the first years of the five-year plan. p. 111.
- Khaltulin, G. G. - Increased role of local party organizations in the industrial operations of steel plants in Kuznetsk Basin between the 20th and 22d Congresses of the CPSU, 1956-1961. p. 118.
- Orlanskii, S. F. - Party guidance of the cultural and educational work of local soviets in the Altai Mountain region, 1956-1958. p. 133.
- Baranov, N. L. - Improvement of the system of the political self-education of Communists and nonparty workers between the 20th and 22d Congresses of the CPSU, based on the materials of Western Siberia. p. 147.
- Istomin, V. G. - The development of public participation in the work of local soviets in Tyumen' Province. p. 157.
- ULAN-UDE, BURIATSKII KOMPLEKSNIY NAUCHNO-ISSLEDOVATELSKII INSTITUT, Trudy [BURIAT SCIENTIFIC RESEARCH INSTITUTE, Transactions], No. 15, 1964, Stratigraphy and igneous activity of western Transbaikalia.**
- Table of contents translated:
- Gurulev, S. A. - Boundary of Lower Cambrian and Precambrian in northern part of Lake Balkal region. p. 3.
- Barborin, L. M. - Some paleogeographic conditions governing sedimentation in Upper Proterozoic of northern part of Lake Balkal region. p. 11.
- Gurulev, S. A., Sambuev, K. S. - Grasses of Pre-Lower Cambrian weathering surface on rocks of Chaya gabbro-peridotite massif (northern part of Balkal Lake region). p. 17.
- Gurulev, S. A. - Lower Paleozoic stratigraphy of Barguzin Range. p. 27.
- Tarasov, I. U. S. - Stratigraphy and lithology of Cambrian sediments in Biram'ya basin (Barguzin Range). p. 41.
- Bazarov, D. B. - Periglacial phenomena in Quaternary sediments of Selenga median mountains. p. 57.
- Tugovik, G. I. - Gneiss and greisenized granites in southwestern Transbaikalia. p. 64.
- Dvorkin-Samarskii, V. A., Kaperskaya, I. U. N. - Distribution of some impurity elements in granitoids and pegmatites of Severo-Muyskiy Range. p. 82.
- Rafienko, N. I. - Beryllium in rare-metal deposits of Siberia and some of its geochemical characteristics. p. 96.
- Ochirov, T. S. O., Turunkhaev, V. I. - Geology of Mesozoic volcanic formations of southwestern Transbaikalia. p. 107.
- Dorzhiev, V. S., Tsyrendorzhiev, T. S. - Some geophysical data on geology of Zaza and Konda interfluvial (western Transbaikalia). p. 115.
- Andreev, G. V., Denezhkina, E. M. - Mesodiatyres from metasomatic rocks of an alkali pluton of Siberia. p. 120.
- Mikhno, N. F. - Stratigraphy of Mesozoic volcanic sedimentary formations in southern part of western Transbaikalia. p. 125.
- Ochirov, T. S. O. - Brief sketch of the life and work of Vladimir Afanas'evich Obruchev. p. 140.

- Dvorkin-Samarskii, V. A., Kozulina, I. M. - Some characteristics of the geochemistry and petrography of granitoids of the southern part of Buryatia. p. 20.
- Bulgatov, A. N. - Late Pliozeroic granitoids of the northern part of Buryatia. p. 40.
- Mikhov, N. P. - Early Mesozoic Intrusive complexes in the southern part of western Transbaikalia. p. 47.
- Dvorkin-Samarskii, V. A., Dortman, N. B., Zolova, I. F. - Geology, petrographic characteristics, and magnetic susceptibility of granitoids of the right bank of the Barguzin River. p. 66.
- Dvorkin-Samarskii, V. A. - Types of granite pegmatites p. 71.
- Shuvalov, I. U. M., and others - Characteristics of the structure and composition of the essentially volcanic Khibelets series of the central part of the Altaiian Range (Baikal mountain region). p. 82.
- Andreev, G. V., Dvorkin-Samarskii, V. A. - Aktikan alkali massif, p. 96.
- Tugovik, G. I. - Formational and genetic classification of molybdenum mineralization of Byun aytu. p. 104.
- Andreev, G. V. - Magnesian skarns with accessory thorilante near alkali pluton of Siberia, p. 121.
- Andreev, G. V., Mastov, V. M. - Calcite thorilante from magnesian skarns p. 136.
- Kozulina, I. M. - Igneous rock formations p. 143.

Table of contents translated
Tabardinov, A - Operation of the basic economic law
of socialism. p.3
Kazanseva, L. N. - The state purchasing prices and
the stimulation of collective farm production. p.18
Scribn, E.M. - The nature of economic alliance be-
tween city and village. p.57
Kasatkln, V.P - A new version of the translation of
Karl Marx's "Capital." p.65.
[MICROFILM]

- Vol. 18, no. 3, 1963.
- Table of contents translated
- Varlamova, A. - Archival materials should serve the
Interests of the Soviet people p. 5.
- Matskevich, N. A. - D. TSiurupa in Simbirsk. p. 15.
- Sazonov, G. A. - "Pravda" in Simbirsk. p. 47
- Varlamova, A., Grigorchenko, V., Zhvaidna, L. -
New documentary materials on the life of the
Ul'ianov family in Simbirsk. p. 55
- Karamayev, A. - I. N. Ul'ianov's written compositions
in the secondary school. p. 68
- Trofimov, Zh. A. - Reactions to the case of March 1,
1887 in A. I. Ul'ianov's homeland, on the 75th
anniversary of his execution p. 72.
- Trofimov, Zh. A. - A meeting and demonstration of the
revolutionary students of Kazan University on
December 4 (18), 1887 and the role of the Simbirsk
Fraternity. p. 77.
- Valkin, M. Kh. - From the unknown materials of S. A.
Buturil'n's archives p. 84
- Verezhchigln, P. D. - Movement of Simbirsk Govern-
ment peasants to outlying regions in the late 19th
and early 20th centuries. p. 105.
- Cvockanov, P. P. - From the history of the Simbirsk
Medical Society. p. 130.
- Grigorchenko, V. - New documentary materials on
I. I. Gof's-Miller, a Russian poet. p. 152.
- Belsov, P. S. - Literary works of the first teachers
of the children of the Ul'ianov family. p. 156.
- A. S. Kabanov's autobiography, September 1880, p. 180.
- [MICROFILM]

Vol. 22, 1966. *Seriia obshchestvennykh nauk* [Series in the Social Sciences], no. 2.

Table of contents translated

Serlin, E. M. - Role of the subjective factor in developing the economic alliance of the laboring class and the peasantry. p. 3.

Kapitanov, M. L. - Capital assets are the basis of increasing labor productivity. p. 23.

Zmushko, I. D. - The workday, its origin and development. p. 39.

Zmushko, I. D. - The workday, and the productivity and intensity of labor. p. 59.

Kazukhin, V. V. - From the history of the creation of organs of industrial management in the central Volga Valley in 1918. p. 75.

Koetrlikova, V. V. - The Ulyanovsk Communist Youth League as a militant helper of the party in the creation of the collective farm system, 1929-1932. p. 126.

Table of contents translated:
Ivanova, V. P. - Seasonal development of some steppe plant communities in the Lena Valley. p. 5.
Samarin, V. P. - Results of studying the flora of vascular plants of Yakutia in relation to the content of saponins, p. 13.
Sergeev, A. V., Polapov, V. IA. - Sugar minimum and sugar content in the plants of Yakutia. p. 39.

- Sergeev, A. V., Galaktionova, T. F., Novikova, I. G. - Chemical composition and food value of grass stands of the floodplain pastures of Kobay District, p. 51.
- Seigeev, A. V., Shadrina, M. M. - Comparative data on the chemical composition of various feeds, p. 57.
- Lubutn, I. U. V., and others. - Ecology of some predatory birds of central Yakutia, p. 65.
- Larionov, G. P. - Materials on the spring migration of birds in the central regions of Yakutia, p. 61.
- Larionov, G. P. - Biology of the raparekillo and the hazel hen in central Yakutia, p. 91.
- Romanova, G. A. - Some data on the characteristics of long-tailed easilies (*Cittetus maculatus*) in Yakutia, p. 97.
- Romanova, G. A. - Ectoparasites of some species of rodents in Yakutsk and in some districts of central Yakutia, p. 103.
- Kavilina, R. I. - Some data on *Podisma opifera* Latr. in Mir, p. 109.
- Briukhanov, I. M. - Physical and chemical characteristics of natural brine and mud in Lake Iyana, p. 113.
- Iadecov, F. I. - X-ray structural examination of polymers and copolymers of higher vinyl aldehydes, p. 123.
- Pavlova, A. I., Sytkov, V. V. - Boudar analysis of the thermal decomposition of zinc and bismuth iron oxalates, p. 127.
- Ivanova, V. P. - Biology of the wolverine *Arctosctus canadensis*, p. 139.
- Kononov, K. E. - Basic types of forests of the Vilya-Ygynata Divide, p. 151.
- Solomonov, N. G. - Third All-Union Congress of the Terrestrial Zoogeography and the tasks of the zoologists of Yakutia, p. 179.

AZIJA I AFRIKA SEGDONIA [ASIA AND AFRICA TODAY]
Issued by Institut nauchov Azii and Institut Afriki Akademi nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U. S. S. R.], Moscow, vol. 10, no. 6, June 1967.

- Table of contents translated.
- Kasatkina, D. - The ideas of equality in action. p. 7
Usedkhk, Oniar - Following a noble example. p. 9,
Bokomzar-Uzbashev, B. - From Len to Khrushchev
p. 9.
The keys to Congo's economy. p. 6.
Joseph-Désire Mubutu. p. 12.
Laplev, V. - The Congolese "artefacts." p. 11
Chernova, G. - Creative quests. p. 16.
Congolese poets. p. 18.
Akutova, T. - The Chinese working class and the
struggle. p. 20.
Simoniia, N. - The road of the Indonesian revolution
p. 24.
Vasutovskii, V. - "The white alliance." p. 28
Orinskii, I. - The CIA in Africa. p. 31.
Zonovich, M. - The price of Mrs. Angelhard's life
in the world. p. 34.
Matlushin, A. - In the land of rubber and tin (to be
continued). p. 38.
Komal, Yashar - The thug; a novel (to be continued).
p. 42.
Cruz, Manuel - Closer to the hopes of the people.
p. 46.
Ivanov, I. - George Keyt; artist and man. p. 49
Kutsenkov, A. - Critics and social progress from 1
p. 52.
People, events, and facts. p. 54.
Pleshov, O. - Rice and water. p. 60.

BIAROSKA [THE LITTLE BIRCH]. Issued by the editorial committee of Leninskaya komunistychnaya shkola, molod' i Belarusi i Respublikanski Sovet planovnikov, i zatsy i mlia v L. Lenin [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, vol. 43, no. 5, May 1967.

DADZIS [THISTLE]. Rtg, no. 12(252), 1067. [In Latvian]

DRUZHNO VERED [FORWARD TOGETHER], Izdat. i
by Kul'turna spilka ukrain's'kykh i ukladn'nykh
Chekhoslovachelyny [Cultural Association of the
Ukrainian Workers of Czechoslovakia], Prava,
vol. 17, no. 6(227), June 1937. [In Ukrainian]

KAPKAN; chuvashskii satiricheskiy zhurnal [TRAP,
Chuvash Satirical Magazine]. Chelchoksary, nom. 7 ("2"),
10(523)-12(524), Apr. - June 1967.

KHORPUSHTAK [HEDGEHOG]. Dushanbe, no. 9 (32),
May 1967. [In Tajik]

KOSTER [CAMPFIRE]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soюза molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, no. 6, June 1987.

KROKODIL [CROCODILE]. Issued by garet [Newspaper] "Pravda" Moscow, vol. 45, nos. 15, 17-18, May-June 1967.

KULTURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soluz sovetskikh obshchestv družby i kul'turnoi svyazi s zarubezhnyimi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 1, no. 6, 1967

KULTUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kalluv: Imhistekum and Eesti NSV Ametihingute Nõukogu [Ministry of Culture of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.] Tallinn, vol. 10, no. 6, June 1967. [In Estonian]

LIESMA [FLAME]. Issued by Latvijas LKSJ Centrālā komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 7(112), July 1967. [In Latvian]

MFENIET ZHENC TURMYS [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S. S. R.]. Alma-Ata, no. 6(108), June 1967. [In Kazakh]

NOORUS [YOUTH]. Issued by Eesti NSV Kalluv: Imhistekum and Eesti NSV Ametihingute Nõukogu [Ministry of Culture of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.] Tallinn, vol. 22, nos. 6(248)-7(249), June-July 1967. [In Estonian]

OGONEK [THE LITTLE LIGHT]. Moscow, vol. 45, nos. 25(2080)-29(2080), June-July 1967.

PFRETS [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 41, no. 11(765), June 1967.

PILT JA SONA [PICTURE AND WORD]. Tallinn, vol. 20, no. 9(232), Sep. 1965 [In Estonian]

PIONERIA [PIONEERS]. Issued by Eesti NSV Kalluv: Imhistekum and Eesti NSV Ametihingute Nõukogu [Ministry of Culture of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.] Tallinn, vol. 22, nos. 6(248)-7(249), June-July 1967. [In Estonian]

RT, obshchestvenno-politicheskiy ilustirovannyi zhurnal [RT, Sociopolitical Illustrated Weekly]. Issued by Komitet po radioveshchaniyu i teledenitui pit Sovetskoi Ministroy SSSR [Committee for Radio Broadcasting and Television, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, nos. 24(54)-25(55), 1967

SEL'SKAYA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 6, June 1967.

SIMEL' [BUMBLEBEE]. Alma-Ata, vol. 12, no. 6(137), June 1967.

SKYNTIA LENINISTE [LENINIST SPARK]. Issued by Moldavian Communist Youth League of Lenin, Kishinev, vol. 37, no. 5, 1967 [In Moldavian]

SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 12(307)-13(307), 1967. [In Lithuanian]

SOGLASIE [CONCORD]. Los Angeles, Calif., no. 100, July 1967.

SOVREMENNAYA MONGOLIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol. 11, no. 4(11), Apr. 1967.

SVYTYRYS [THE LIGHTHOUSE]. Vilnius, vol. 10, nos. 9(441), 12(444), May-June 1967. [In Lithuanian]

TURIST [TOURIST]. Issued by VTsPS [All-Union Central Council of Trade Unions]. Moscow, vol. 2, no. 5, 1967.

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol. 27, nos. 26(546)-28(548), June-July 1967.

URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe otdelente Sojuz pisatelei i Sverdlovskoe promyshlennyy i sel'skii obkomy VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Industrial and Agricultural Committees of the All-Union Communist Youth League of Lenin]. Sverdlovsk, vol. 10, nos. 4-5, Apr.-May 1967.

VESELKA. THE RAINBOW. Published by Ukrainian National Association Jersey City, vol. 14, no. 6/7(154-155), June-July 1967.

VOZHYK [HEDGEHOG]. Minsk, vol. 27, nos. 9(655)-10(657), May-June 1967.

ZHIZN' GLUKHIRKI [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhikh [All-Russian Society of the Deaf]. Moscow, vol. 20, no. 6, June 1967.

ZVAIGZNE [THE STAR]. Riga, vol. 17, nos. 11(405)-13(407), June-July 1967. [In Latvian]

2. BIBLIOGRAPHY

a BIBLIOGRAPHY

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOJUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaya biblioteka SSSR [State Library of the U. S. S. R.]. Moscow, vol. 11, nos. 10-11, May-June 1967.

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 21-28, 1967.

— — — **Dopolnitel'nyi vypusk [Supplementary Issue]**, no. 4, 1967. Vspomogatel'nye ukazateili k nos. 1-3 za 1967 g. [Indexes to nos. 1-3 for 1967]

LETAPIS DRUKU BSSR, LETOPIS' PECHIATI BSSR [CHRONICLE OF THE PUBLICATIONS OF THE WHITE RUSSIAN S. S. R.]. Issued by Dzhurzhannaya biblioteka BSSR and Knizhnaya palata BSSR [State Library of the White Russian S. S. R. and the Book Chamber of the White Russian S. S. R.]. Minsk, no. 2, Feb. 1967

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no. 5, 1967. Vspomogatel'nye ukazateili k nos. 1-3 za 1967 g. [Indexes to nos. 1-3 for 1967]

LETOPIS' PECHIATI MOLDAVSKOI SSR [CHRONICLE OF THE PUBLICATIONS OF THE MOLDAVIAN S. S. R.]. Issued by Knizhnaya palata [Book Chamber]. Kishinev, no. 3, July-Sep. 1966, publ. 1967.

LETOPIS' RETSENZII [CHRONICLE OF REVIEWS]. Published by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no. 2, 1967

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 23-26, 28, 1967. Vspomogatel'nye ukazateili k nos. 40-52 za 1966 g. [Indexes to nos. 40-52 for 1966]

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences; Earth Sciences; Technology and Technological Sciences]. Vol. 10, nos. 19-34, 36, July-Dec. 1965, vol. 12, nos. 3, 17-21, Jan., June-July 1967.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 2: Biologicheskie nauki, sel'skoe i lesnoe khoziazistvo, sel'skokhoziazistvennye i lesokhoziazistvennye nauki, zdravookhranenie, meditsinskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol. 8, nos. 4-36, Feb.-Dec. 1965; vol. 10, nos. 3, 17-21, Jan., June-July 1967.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyiulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 8, nos. 4-36, 38-39, Feb.-Dec. 1965; vol. 10, nos. 3, 17-21, Jan., June-July 1967.

NAUJOS KNYGOS [NEW BOOKS]. Vilnius, nos. 5(53)-6(54), May-June 1967 [In Lithuanian]

NOVAIA LITERATURA O NAUKE I NAUCHNO-ISSEDOVATELSKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, 1967.

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 5, 1967.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 5, 1967.

NOVAIA LITERATURA PO YUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 5, 1967.

NOVAIA LITERATURA PO POLSIE [NEW LITERATURE ON POLAND]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 5, 1967.

NOVAIA LITERATURA PO RUMYNII [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 5, 1967.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 5, 1967.

NOVAIA SOVETSKAYA I INOSTRANNAIA LITERATURA PO STRANAM AZII I AFRIKI [NEW SOVIET AND FOREIGN LITERATURE ON THE COUNTRIES OF ASIA AND AFRICA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R. and others. Moscow, no. 4, 1967.

NOVAIA SOVETSKAYA LITERATURA O NAUKE I NAUCHNO-ISSEDOVATELSKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U. S. S. R.]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, 1967.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U. S. S. R.]. Issued by Vsesoiuznaya ob'edinennoe "Mezhdunarodnaya kniga" [All-Union Association "International Book"]. Moscow, nos. 24-26, 28, June-July 1967.

NOVYE KNIGI ZA RUBEZHOM. Seriya V: Biologiya, meditsina, sel'skoe khoziazistvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 11, no. 6, June 1967.

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM, ekonomika, filosofiya, istoriya, mezhdunarodnye otnosheniya [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES: Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 10, no. 6, June 1967.

V MIRE KNIG [IN THE WORLD OF BOOKS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechatii [State Committee of the Council of Ministers of the U. S. S. R. for Printing]. Moscow, vol. 3, no. 10, Oct. 1963.

Table of contents translated:
No compromises in ideology! p. 2 of cover.
Mogilev, A. - Pages of history. p. 2.
Fine traditions. p. 4.
Varshavskii, A. - Cold is a friend. p. 7.
Zaitsev, I. - There will be rich harvests. p. 8.
Chernink, A. - Incentive is a liking for study. p. 12.
Ermolov, V. - Labor brings the bright future nearer.

- Communion of Christians, p.16.
Karev, A. V. - Image of Christ in the New Testament, p.18.
Gospel according to Saint Luke (continuation) p.29
Bible history of the Old Testament (continuation), p.34.
Somov, K. V. - Christians in the third century, p.42.
Karev, A. V. - Iakov, Ivanovich Zhidkov; obituary, p.51.
Trubniz, V. - Mourning services for deceased Iakov Ivanovich Zhidkov, President of the All-Union Council of Evangelical Christians and Baptists p.54.
Telegrams of condolence, p.61.
In memory of the Presbyter of the Ulyanovsk Parish Petr Aleksandrovich Kichigin, p.62.
Maomets, Herman - The 60th birthday of Brother August Sammel, Presbyter of the Ridaia Parish (Sovetskaya), p.64.
News from the parishes, p.68
- LIUDYNA I SVIT [MAN AND THE WORLD]. Issued by Tovarystvo "Znanntia" Ukrainskoi RSR ["Knowledge" Society of the Ukrainian S.S.R.]. Kiev, vol. 7, no. 6(81), June 1967.
- NOVAYA SOVETSKAYA I INOSTRANNAIA LITERATURA PO VOPROSAM ATEIZMA I RELIGII [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF ATHEISM AND RELIGION]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.], Moscow, no. 5, 1967.
- RUSSKOE STUDENCHESKOE KHRISTIANSKOE DVIZHENIE. Vestnik [RUSSIAN STUDENTS' CHRISTIAN MOVEMENT, Messenger]. Paris, no. 81, Mar. 1966.
- SVIETO. THE LIGHT. Issued by O.O. Vasylyany [The Basilian Fathers]. Toronto, vol. 30, no. 7/8 (535-536), July-Sep. 1967.
- VECHNOE [THE ETERNAL]. Paris, no. 6(234), June 1967.
- VIRA I KULTURA. FAITH AND CULTURE. Organ of Ukrainian'ske naukovye bolsholov's'ke tovarystvo [Ukrainian Theological Society]. Winnipeg, vol. 31, no. 7/8, July-Aug. 1967.
- VOPROSY NAUCHNOGO ATEIZMA [PROBLEMS OF SCIENTIFIC ATHEISM]. Issued by Institut nauchnogo ateizma Akademii obshchestvennykh nauk pri TsK KPSS [Institute of Scientific Atheism of the Academy of Social Sciences, Attached to the Central Committee of the CPSU]. Moscow, no. 2, 1966.
Table of contents translated:
Kurochkin, P. K. - Evaluating the process of the modernization of religion under present conditions, p. 5.
Steinman, M. M. - Renewal movement in the Russian Orthodox Church after October revolution, p. 41.
Klimovets, L. I. - Conflict of orthodox and modernists in Islam, p. 65.
Onishchenko, A. S. - Trends in the modification of present religious consciousness, p. 61.
Andreev, G. L., Ladorenko, V. E., Pollakova, L. P. - Social and moral principles of communism in the interpretation of modern Christian theologians, p. 110.
Isaev, V. I. - New attempts to adapting religion to modern natural sciences, p. 141.
Gorilenko, N. S. - Elements of modernism in the Orthodox theology, p. 167.
Millovich, V. F. - Old Believers and social progress, p. 198.
Isaev, T. S. - Armenian-Gregorian Church and present time, p. 225.
Filimonov, E. G. - Traditions of religious liberalism in modern Baptism, p. 243.
Grazhdan, V. D. - Pontecism and present time, p. 270.
Lentini, V. I. - Seventh-Day Adventists and science, p. 288.
Kozlova, K. I. - Changes in the religious life and activity of Molokan parishes, p. 305.
Petrash, I. G., Khamitova, R. M. - Characteristics of the process of modernization of modern Islam in the U. S. S. R., p. 322.
Volkovich, L. N. - New tendencies in modern Catholicism, p. 337.
Tordal, Z. - Philosophy of Teilhard de Chardin and modern ideological contest, p. 364.
Mohr, H. - Attempts for the adaptation of Catholic orders to present conditions, p. 390.
Korobkov, A. F. - History of Islamic modernism in Indonesia, p. 405.
4. HISTORY
a. GENERAL
AKADEMIA NAUK ARMIAKSKOI SSR, Eriyan, Istoriko-filologicheskii zhurnal [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Historical and Philological Review], Eriyan, no. 2(26), 1964.
Table of contents translated:
Mkrtchyan, M. M. - Akop Paronian, p. 3.
Ovsepian, G. E. - Popular poet, p. 17.
Tumanian, O. E. - Population growth in Armenia, p. 31.
Aslanian, G. G. - Bankruptcy of the bourgeois philosophy of history, p. 43.
Arapelian, V. N. - Methods of experimental-phonetic studies in Armenian, p. 55.
Alpoldzhian, Arshak. - Printing houses of Izmir, p. 67.
Sankian, A. S. - Heritage of medieval Armenian poetry and Sayat-Nova, p. 85.
Mikaelian, V. A. - Fall of the town of Kafn, p. 97.
Khachatrian, P. M. - "Carlo of the brave Liparit" by Ovanes Tykuranisi, p. 111.
Ter-Govandian, A. N. - "Iskhan of Armenia" under Arab rule, p. 121.
Danellian, T. S. - Declension and conjugation in the Malatian dialect, p. 135.
Tiratsian, G. A. - Urartu civilization and Achaemenian Iran, p. 149.
Khachatrian, V. N. - The Khet Inscription KUB, XXIX, No. 7, p. 165.
Markarian, A. S. - The verbal tense forms "harakatar" and "antiall harakatar," p. 183.
Pivazian, E. A. - Editorial revisions of Mkhit'ar Gosh's "Code of law," p. 193.
Mnatsakanian, S. Kh. - Deciphering the inscription on the temple of Bagavan relating to its construction, p. 213.
Aslanian, A. A. - From the unrevealed letters of Gazaros Agaian, p. 227.
Abramian, A. G. - Documents from the history of the common struggle of the Caucasian peoples against Turkish aggressors in the first quarter of the 18th century, p. 243.
Veghian, V. K., Dilanian, V. A. - New documents of Russian policy in the Transcaucasus during the 1720's, p. 249.
Markarian, R. - Relationship of proper nouns in modern Russian, p. 329.
Vradil, N. - The registers of the Armenian community in Lvov, p. 347.
- AKADEMIA NAUK SSSR, Institut istorii, Leningradskoe otdeleniye, Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R., Institute of History, Leningrad Branch, Transactions], Moscow, no. 8, 1967. Vnutrennaya politika isarizma, seredina XVI nachalo XX v. [Internal policy of the tsarist government; from the middle of the 16th through the early 20th century].
Table of contents translated:
Nosov, N. E. - The Zemskii Sobor of "reconciliation" in 1649 and some problems of local government; the path to administrative reforms, p. 5.
Skrynnikov, R. G. - Autocratic rule and the oprichnina; some results of Russian political development during the oprichnina, p. 69.
Pavlovskiy, V. M. - Policy of the tsarist government in the problem of slavery in the late 18th century, bond servants of the owners of manorial estates, p. 100.
Korotkiy, V. I. - History of Vasilii Shulskii's policy in the peasant problem, p. 110.
Semenova, L. N. - The Russian Government and St. Petersburg workers in the first half of the 18th century, p. 127.
Shepelov, L. E. - History of Russian joint-stock legislation; the law of 1838, p. 168.
Chernukhin, V. G. - Policy of the Russian Government and the government arbitrators, p. 197.
Solov'ev, I. B. - The Russian Government and its policy of the consolidation of the class positions of the gentry in the late 19th century, p. 239.
Anan'ich, B. V. - Financial crisis of the prerevolutionary government in 1905-1906, p. 281.
Gandelin, R. Sh. - Policy of the prerevolutionary government and American investments during the First World War, late 1915 and early 1916, p. 321.
Diatkin, V. S. - The "tsarist plot" on the eve of the February Revolution, p. 363.
- CHEBOKSARIY. CHUVASHSKII NAUCHNO-ISSEDOVATELSKII INSTITUT IAZYKA, LITERATURY, ISTORII I EKONOMIKI. Uchenye zapiski [CHUVASH SCIENTIFIC RESEARCH INSTITUTE OF LANGUAGE, LITERATURE, HISTORY, AND ECONOMICS, Studies], No. 26, 1965. Problems of the history of Chuvashia.
Table of contents translated:
Markelov, I. A. - Rapid cultural development of Soviet Chuvashia, p. 3.
Ivanov, N. I. - Work of the Chuvash party organization in the field of political education and training of the masses, 1949-1953, p. 13.
Rumiantsev, M. V. - Struggle of the Chuvash party organization for the development of agriculture during the fourth five-year plan, 1949-1950, p. 31.
Akharov, T. A. - Development and mobilization of the hidden military potentials of the Chuvash A. S. S. R. for helping the front areas during the Great Patriotic War, p. 55.
Izholkin, A. F. - Training of Chuvash workers and the raising of their qualifications during the Great Patriotic War, p. 80.
Nikitin, N. P. - How the party organization of the Nizhny Novgorod Territory controlled the industrial development of the Chuvash A. S. S. R. during the first five-year plan, 1929-1932, p. 95.
- Muratov, Kh. I. - Destruction of the counterrevolutionary General Headquarters in 1917, p. 105.
Kuznetsov, I. D. - Studying the historical experience of the transition of the peoples of the Volga Valley to socialism, p. 127.
Dmitriev, V. D. - History of Chuvash cities in the second half of the 16th and early 17th century, p. 135.
Ivanov, L. A. - Chuvash settlements and dwellings in the Kama Valley and the southern Ural Mountain region, p. 184.
Trubnikova, N. V. - An ancient settlement near the village of Toganashi in Shumeriya District, p. 212.
Ivanov, L. A. - Organization of cultural and educational work with the rural population of Chuvashia in 1959-1964, p. 237.
Sidorov, K. K. - An increase in the average length of life in Chuvashia, p. 247.
Iakovleva, O. A. - The Ugitch case of 1591, p. 255.
Bulatov, A. B. - Etymology of the ethnic name "Bolgár," p. 259.
Brief news, p. 273.
- ISTORIKO-FILOLOGICHESKII SBORNIK [HISTORICAL AND PHILOLOGICAL PAPERS]. Issued by Komit filial Akademii nauk SSSR [Komi Branch of the Academy of Sciences of the U. S. S. R.], Syktyvkar, no. 6, 1960.
Table of contents translated.
Davidov, V. N. - From the history of the development of the forest industry in the Komi (Zyrian) Autonomous Province, 1821-1925, p. 3.
Razevskaya, T. P. - The struggle of the workers of the Komi A. S. S. R. for development of forest industries during the years of the second five-year plan, 1933-1937, p. 13.
Surlina, L. I. - The struggle of the workers in the Komi A. S. S. R. for the further development of forest industries in the prowar years of the third five-year plan, 1938-1941, p. 31.
Beznoskov, I. A. N. - The first steps of the cultural revolution on the Komi Territory, 1918-1920, p. 60.
Zhereblov, L. N. - History of the folk dwellings in Komi, p. 68.
Filimova, F. S. - From the history of the state and nation-wide aid to the population of the liberated districts of the R. B. F. S. R. after the reconstruction of the agriculture, p. 89.
Plesovskiy, F. V. - Development of the family among the Komi and Udmurts (based on the terminology of family relations), p. 105.
Sakharova, M. A., Sol'kov, N. N. - Some special features of the Komi dialect on the Kola Peninsula, p. 130.
Zhila, T. I., Kologova, N. A. - Some special features of the Komi language in the Ob Valley (Muzhi and Shuryshkary villages), p. 152.
Sovrachova, V. A. - Loan words from the Nenets and Khatka languages in the dialect of the Komi living in the region beyond the Ural Mountains, p. 171.
Serebrennikov, V. A. - From the history of the formation of the negative verb in the Komi language, p. 176.
- [MICROFILM]
- KALENDAR' ZNAMENATEL'NYKH I PAMIAT'NYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaya Rossiya" and Gosudarstvennaya publikaia istoricheskaya biblioteka RSFSR ["Soviet Russia"] Publishing House and the State Public Historical Library of the R. S. F. S. R.], Moscow, vol. 12, no. 6, 1967.
- MOSCOW, NAUCHNO-ISSEDOVATELSKII INSTITUT MUZEYEVEDENIA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF MUSEUM ORGANIZATION, Transactions], No. 14, 1965.
Table of contents translated:
Mikhailovskaya, A. I. - Problems of artistic layouts of exhibitions at museums at the present stage, p. 5.
Baranskaya, N. V., Krein, A. Z., Sokolov, B. N. - Artistic layouts of exhibitions at the A. S. Pushkin State Museum in Moscow, p. 47.
Ravdonikas, L. A. - Artistic layouts and arrangements of the exhibitions at the State Museum of the Great October Socialist Revolution, p. 64.
Shilonskii, G. B. - Artistic layouts of exhibitions at the Soviet history section of the Suzdal Museum and National Park of Vladimir Province, 1950, p. 73.
Lopa, L. - Artistic layouts at the museum of local history at Bauska, Latvian S. S. R., p. 86.
Glukhareva, O. N. - An exhibition of present-day applied Japanese art at the State Museum of Oriental Art, p. 86.
Voronov, N. V. - Exhibition experience at the Central Exhibition Hall in Moscow, 1957-1961, p. 106.
Makarevich, V. G., Pobedinskii, A. N. - Plans and fulfillment; artistic layouts of the Exhibition of National Creative Work of the R. S. F. S. R. in Moscow, 1960, p. 128.
Karpov, R. A. - The problem of organizing the space of exhibitions, p. 137.
Strizhenova, T. K. - The first study group of artists and decorators of museums of local history held in Moscow, p. 190.

- Kudolin, P. G. - Procedures and methods of artistic layouts of exhibitions in museums, the first conference of museum workers, artists, and decorators held in Leningrad, p. 193.
- NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.] and others. Moscow, no 5, 1967.
- NOVAIA SOVETSKAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 4-5, 1967.
- SOVETSKIE ARKHIVY [SOVIET ARCHIVES]. Organ of Glavnoe arkhivnoe upravlenie pri Sovete Ministrov SSSR [Main Administration of Archives, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, no 2, 1967.
- Table of contents translated
March and April of 1917, documentary materials. p. 2.
- Kolontai, A. M. - Promptly to Russia! Reminiscences, p. 23.
- History of the organization of the construction industry in the U. S. S. R., documentary materials. p. 34.
- Pil'kevich, S. D. - Archival agencies of the Ukrainian S. S. R. prepare for the 50th anniversary of the October Revolution. p. 50.
- Solov'ev, A. A. - Some problems concerning the acquisition of documentary materials by party archives. p. 63.
- Problem of the evaluation and selection of documentary motion pictures, photographs, and phonograph records. p. 71.
- Bol'shakov, L. N. - Yes, this is an important problem! p. 71.
- Roshal', L. M. - Keeping documentary motion pictures, photographs, and phonograph records in state archives. p. 76.
- Murav'eva, L. V., Vyshlova, N. A. - The use of documentary materials in political propaganda, education, and training. p. 80.
- Golovkin, G. M. - Articles of Vologda Province archivists published in newspapers and periodicals. p. 84.
- Susanov, M. V. - "Soviet-Czechoslovak friendship," a collection of documentary materials. p. 87.
- Runge, V. F. - A source for the acquisition of documentary photographs by archival agencies. p. 89.
- Frolova, K. F. - The first state farm organized by the Komsomol. p. 93.
- Zelov, N. S. - Anniversary of a song. p. 94.
- Mitrofanov, N. M., Shabanov, V. N. - I. P. Kulibin's unknown manuscripts. p. 97.
- Brief news and information notes p. 105.
- SOVETSKOE SLAVIANOVEDENIE [SOVIET SLAVIC STUDIES]. Issued by Institut slavianovedeniia Akademii nauk SSSR [Institute of Slavic Studies of the Academy of Sciences of the U. S. S. R.]. Moscow, no 3, May-June 1967.
- Table of contents translated.
- Konev, I. S. - Friendly cooperation of the Soviet and Polish armies in battles for the liberation of Poland from the occupation forces of German fascists. p. 3.
- Riabova, E. I. - Slovenian revolutionary poetry in the 1920's. p. 12.
- Henryk Lowmianski. - Polish contacts with Russia in the Middle Ages. p. 22.
- Mar'ina, V., Murashko, G. - Technical reconstruction of Czechoslovak agriculture in 1948-1966, p. 33.
- Zarubina, L. A. - Similar characteristics of zoology and transition to anthropomorphism among the Indo-Aryans and Slavs. p. 45.
- Grinberg, S. Sh. - Foreign investments in the Bulgarian industry of the late 19th century. p. 53.
- Sokolovskaya, A. S. - Lexical typology of the dialects and the ethnolinguistic delimitation of the Polesye part of the Pripet Valley. p. 60.
- Nitakii, V. V. - The escape of Jarostaw and Pelagta Dabrowskis. p. 67.
- Simonov, R. A. - Was the sign "y" used for the designation of a number in the Eridan manuscript of the Epistles of the Apostles written in the 11th century? p. 75.
- Books on the present-day situation, history, culture, and languages of the Slavic peoples in foreign countries published in 1966 in the U. S. S. R., p. 100.
- The most significant articles and materials on the present-day situation, history, culture, and languages of the Slavic peoples in foreign countries published in Soviet periodicals in late 1966 and early 1967. p. 104.
- Slavic studies published in foreign periodicals. p. 107.
- A joint session of Ukrainian and Polish historians. p. 112.
- Danilova, N. - A symposium on the problem "The origin of capitalism, the national liberation movement, and the formation of national cultures in Slavic countries, from the late 18th century through the 1870's." p. 113.
- Beikin, D. - Slavic studies at the departments of humanities of the institutions of higher education in Gorky. p. 114.
- Zil'bert, B. A. - Saratov students of Slavic languages prepare for the Second International Congress of Slavists. p. 117.
- IU, R. - The Dants Committee of the Academy of Sciences of the U. S. S. R., p. 118.
- Solov'eva, A., and others. - Defense of dissertations. p. 119.
- Dmitriev, P. A. - The Philological Faculty of Leningrad University. p. 121.
- Roman Mirazek. - An international symposium in Brno on the structural types of Slavic sentences. p. 121.
- Jaroslav Sidak. - The Department of History of the Philosophical Faculty of Zagreb University. p. 125.
- Sheptunov, I. M. - Celebration of the 1050th anniversary of the death of Kliment of Ohrid in Bulgaria. p. 126.
- VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstva oborony SSSR [Ministry of Defense of the U. S. S. R.]. Moscow, vol 9, no 4, Apr. 1967.
- Table of contents translated.
- Pankratov, N. - V. I. Lenin on the defense of the socialist fatherland. p. 1.
- Karpenko, A. - Improving the technical servicing of armored troops in military operations. p. 15.
- Dushen'kin, V. - Military operations of the Second Cavalry Army in the Crimea. p. 24.
- Zimin, I. A. - A leader who held an important military post. p. 39.
- Heroes of the civil war. p. 49.
- Shtemenko, S. - History of the defeat of the Kwangtung Army (to be continued). p. 54.
- Belov, G. - How cavalrymen crossed the Dnieper. p. 67.
- Attem'ev, I. - The Special Technical Bureau. p. 71.
- Why the invasion of England didn't take place. p. 76.
- Prostakov, A. - Development of the means of the recognition of submarine targets during the Second World War. p. 98.
- Orlov, A. - Operation "Seewolf." p. 104.
- Kiselev, A. - A conference of our readers. p. 108.
- Shurupov, A. - Section of the Veterans of the 339th Rostov Division. p. 111.
- A chronicle of heroic battles. p. 113.
- Khesin, S. - The Central Committee of the Baltic Fleet. p. 120.
- Vasil'ev, F. - Army General G. F. Zakharov. p. 125.
- Vol. 9, no 5, May 1967.
- Table of contents translated:
- Golub, P. - Growing influence of the Dolshchiviks upon the masses of soldiers on the eve of the October Revolution. p. 3.
- Pavlov, IU. - Our people and the army are united. p. 19.
- Erofeev, V. - Organization and carrying out of defensive operations during an offensive. p. 28.
- Egorov, P. - The pages of a great life. p. 36.
- Anan'ch, I. - A tank battle in the region of Gahry. p. 45.
- Shtemenko, S. - History of the defeat of the Kwangtung Army (conclusion). p. 49.
- Baranov, S. - At the First Congress of the Seamen of the Russian Navy. p. 61.
- Kolunov, G., Selianichev, A. - Literature on the heroic defense of Odessa. p. 79.
- Dmitriev, P. - History of training the military reserves during the civil war. p. 92.
- Nekhanov, G. - Lieutenant General F. I. Kostenko. p. 97.
- Zolotukhin, A. - Inculcating the spirit of national courage in our youth. p. 100.
- Svetlitsin, N. - Remarks and suggestions of our readers. p. 105.
- Brief news, facts, and finds. p. 107.
- Kavlaradzo, A. - Offensive operations of the Russian Army in June 1917. p. 111.
- Kodola, D. - The Battle of Midway. p. 118.
- Troianovskii, P. - Army General P. I. Batov, two-time Hero of the Soviet Union. p. 125.
- VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdeleniye istorii Akademii nauk SSSR and Ministerstva vysshego i srednego spetsial'nogo obrazovaniia SSSR [Department of History of the Academy of Sciences of the U. S. S. R. and the Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 42, no 5, May 1967.
- Table of contents translated.
- Pogrebinskii, A. P. - Russia's financial situation on the eve of the October Revolution. p. 3.
- Manakov, N. A. - Economic conditions of Leningrad during the 1920's. p. 15.
- Koietakii, V. I. - Zemska Solov in 1575 and the part revival of the oprichnina. p. 32.
- Grossman, A. S. - German-Italian relations in 1939. p. 51.
- Beleznyn, L. A. - Is this a real discovery? A critical evaluation of E. O. Reischauer's book, "A new look on modern history." p. 70.
- Masson, V. M. - The rise and development of early class society in the ancient East. p. 82.
- From the February Revolution to the October Uprisings: recollections of participants in revolutionary events. p. 95.
- Strogovich, M. S. - A reactionary plot against Jaurès. p. 110.
- Iakovlev, N. N. - How Kennedy became president (conclusion). p. 123.
- Chemeris, V. P. - An out-of-town session of the Bureau of the Department of History of the Academy of Sciences of the U. S. S. R. in Ufa. p. 132.
- Ivanov, V. P. - Soviet trade unions of the 1920's and early 1930's in postwar Soviet historiography. p. 137.
- New books. p. 180.
- Historical articles published in Soviet periodicals. p. 182.
- Skazkin, S. D., Guchova, E. V. - I. A. Levitskii's 60 birthday. p. 166.
- Skazkin, S. O., Khvostov, V. M., Bolshovitinov, N. N., A. L. Nauchnikskii. p. 168.
- Koietakii, V. I. - N. A. Smirnov's 70th birthday. p. 170.
- Brief notes. p. 172.
- Mel'nik, L. G. - East German, Polish, and Czechoslovak studies devoted to the problem of industrial revolution. p. 176.
- Historical articles published in the periodicals of socialist countries. p. 185.
- Kaltakhehian, S. T., Kholonina, Z. M. - Discussing the problems of the nation and state. p. 187.
- Foreign reviews of Soviet historical studies. p. 193.
- Lossovskii, P. - Polish historians prepare for the 50th anniversary of the Great October Revolution. p. 201.
- Pamlenyi, Ervin - In memory of Erik Molnar. p. 203.
- Brief notes p. 207.
- Anan'ch, B. V., Ganellin, R. Sh. - Was the newspaper "Vol'noe slovo" an organ of agents provocateurs from the "Svashchennaya družina"? p. 208.
- Ado, A. V. - New materials on the law of Le Chappelier. p. 209.
- Ginev, V. N. - Kronshtadt events in May 1917. p. 213.
- Gorbanov, G. I. - A. E. Nozdriin, Chairman of the First City Soviet in Russia. p. 216.
- Al'perovich, M. S. - The national emblem of Moscow. p. 217.
- b. ARCHAEOLOGY & ANTIQUITIES
- SOVETSKAIA ARKHEOLOGIIA [SOVIET ARCHAEOLOGY]. Issued by Institut arkhologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U. S. S. R.]. Moscow, no 2, 1967.
- Table of contents translated:
- Savvateev, IU. A. - New Karolian petroglyphs. p. 1.
- Stavitskii, B. I. A. - Dating the early layers of Tall-Barzu Hill. p. 22.
- Litvinskii, B. A. - A burial ground in the Dzhur Valley and some aspects of the K'ang-ku problem. p. 23.
- Nikolaev, I. S. - Ancient techniques in the building of the Pont du Gard. p. 38.
- Ierusalmskaya, A. A. - The "silk route" in the Northern Caucasus during the Middle Ages. p. 55.
- Voskresenskii, A. S. - Polychrome majolica of the period of the Golden Horde in the Volga Valley. p. 79.
- Rybakov, B. A. - Festive games in honor of mermaids and Simargl-Perepel, a Slavic god. p. 91.
- In memory of A. I. A. Eriusov. p. 117.
- Berezanskaya, S. S. - Trzyntec-Komarovo culture in the northern Ukraine. p. 120.
- Pogrebova, M. N. - Vamie swords from Transcaucasia. p. 137.
- Painted pottery made in Panticapaeum in the 6th and 5th centuries B. C. p. 140.
- Onalco, N. A. - A Hellenistic building in the ancient settlement near the village of Raovskaya and its place in the architecture of the Bosporus Kingdom. p. 155.
- Khazanov, A. M. - Sarmatian swords with ring-shaped crowns. p. 169.
- Obel'chenko, O. V. - A Sarmatian-type burial near Samarkand. p. 181.
- Khobotenko, N. V. - Studying the St. Boris and St. Gleb Cathedral in Chernigov. p. 188.
- Darkevich, V. P., Mongait, A. L. - A treasure trove from the ancient settlement of Staraya Ryazan found in 1966. p. 211.
- Arenkova, IU. I. - Origin of the tile reliefs in the Cathedral of the Assumption in Dmitrov. p. 224.
- Bodianskii, A. V. - A vessel of the Neolithic period from the region of the former Dnieper Rapids. p. 232.
- Orlov, S. N. - Monuments of the early metallic period near Novgorod. p. 233.
- Khlobystina, M. D., Khlobystin, L. P. - An iron mold from the southern Ural Mountain region. p. 235.

- Makshimova, M. I. - More about the date of the Artyukhovskaya burial mound. p. 240.
- Lunegov, I. A. - A bronze idol found near the settlement of Ust'-Yazva. p. 242.
- Drachuk, V. S. - An inscribed stela from Terebovlya District. p. 243.
- Chulanov, I. G. - Some recently discovered monuments from the northern Fergana Valley. p. 245.
- Iasenko, V. F. - A bone spoon with the sign of the Rurik Dynasty. p. 250.
- Pugachenkova, G. A. - A burial ground of the Mongolian period in Khalechyan. p. 252.
- Andrunina, N. M., Symonovich, E. A. - The Seventh Archaeological Session in Odessa. p. 279.
- Fedorov-Davydov, G. A. - An archaeologist's trip to Tunisia. p. 282.
- Kozhin, P. M. - A session of the Department of History and a plenum of the Institute of Archaeology of the Academy of Sciences of the U. S. S. R. p. 289.
- Miziev, I. M. - A session discussing the problem of the ethnic origin of the Ossetes. p. 296.
- V. F. Gaidukevich, an obituary. p. 299.
- V. A. Shishkin, an obituary. p. 301.

5. SOCIAL SCIENCES

a. COMMERCE

BYULLETEN' NOSTRANNOI KOMMERCHESKOI INFORMATSII [BULLETIN OF FOREIGN COMMERCIAL INFORMATION, Supplement]. Issued by Nauchno-Issledovatel'skii kon'unktivnyi institut [Scientific Research Institute of Economic Trends]. Moscow, no. 4, 1967.

- Contents. Golovin, I. M., Matukhin, I. S., Smirnov, V. P. [Tendencies and prospects for developing the export of finished articles and semifinished goods from the countries of the Near and the Middle East]. Tendentsii i perspektivy razvitiia eksporta gotovykh izdelii i polufabrikatov iz stran Blizhnego i Srednego Vostoka. 64 p.

BUKHGALTERSKI UCHET [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U. S. S. R.]. Moscow, vol. 26, no. 5, May 1967.

- Table of contents translated.
- Vasil'ev, D. - Improve accounting in agriculture. p. 3.
- Belobzhetskii, I. - Accounting for the work of workshops operating on a business accounting basis. p. 7.
- Bykadorov, N. - Business accounting in the "Rostsel'mash" Plant. p. 12.
- Tatarchenko, V. - Accounting in the workshops of the "Santokharmatura" Plant. p. 16.
- Pankratov, V. - New requirements toward the accounting for fixed assets and working capital. p. 20.
- Sadykov, K. - Give more attention to the accounting for capital assets. p. 24.
- Al'tshullor, A., Sidoronov, E., Korobkova, V. - Analysis of expenditures for the maintenance and operation of equipment. p. 26.
- Artemova, V. - Calculating the cost of fishing industry production. p. 29.
- Kramarovskii, L. - Improve cost accounting. p. 35.
- Marchenko, A. - Developing accounting on state farms. p. 38.
- Nechayev, S. - Centralizing accounting in power industry enterprises. p. 43.
- Reiko, M. - Centralizing accounting in housing management. p. 44.
- Komarnitskii, M. - First work results of a centralized accounting office of the pharmacy management. p. 47.
- Barbarash, A. - Centralizing accounting in construction. p. 48.
- Mitkovskii, E., Kreimerman, G. - Accounting for materials with the use of dual cards. p. 50.
- Kantorovich, N. - Accounting for the returnable containers. p. 54.
- Ivanov, A. - Classification of expenditures in construction. p. 56.
- Pivovarchik, E. - Accounting in land improvement contracting organizations. p. 59.
- Review of newspapers. p. 61.
- Sharafiev, V. - Accountants are "ZIL's" leaders. p. 66.
- Iordanov, Dimitr. - Planning for the work of the accounting apparatus. p. 69.
- The new instructional materials. p. 77.

NOVYE TOVARY; Informatsionnyi biulleten' [NEW CONSUMER GOODS; Information Bulletin]. Moscow, no. 6, 1967.

SOVETSKAIA POTREBITEL'SKAI KOOPERATSIIA [SOVIET CONSUMER COOPERATION]. Issued by Tsentral'nyi soiz potrebko'skikh obshchestv SSSR [Central Union of Consumers' Societies of the U. S. S. R.]. Moscow, vol. 11, no. 4, Apr. 1967.

Table of contents translated.

Editorial: The Lenin touch in guidance. p. 2.

- Personal labor contribution. p. 6.
- Shkabal'nikova, Z. - The young people's cafes and problems of developing them. p. 9.
- Orlov, V. - On the seasonal pastures of Chernozemel'skiy District. p. 15.
- Burkovskii, A. - Cooperative trade in cities. p. 17.
- Misnik, P. - We keep our word. p. 21.
- Lopatkin, M. - Victorious stride of Lenin's ideas. p. 26.
- Improve financial and economic work to correspond to the new tasks. p. 31.
- Korobko, G. - Trade in the north and its difficulties. p. 39.
- Makshlarov, V., Shevlyakov, G. - Peace-loving to the detriment of the customer. p. 46.
- Estrin, G. - Irresponsible attitude toward trade personnel. p. 50.
- Makhnach, A. - Relying upon youth. p. 51.
- Slebovov, N., Inshakov, A., Vas'lanov, D. - Enterprise is a primary element of the socialist system of management. p. 53.
- Fomin, A. - Cooperators of the world express their solidarity with the people of Vietnam. p. 56.
- Rakitskikh, V., Maslennikov, A. - Organization and technique of conducting a questionnaire enquiry. p. 59.

SOVETSKAIA TORGOVIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovlo [State Committee of the Council of Ministers of the U. S. S. R. for Commerce]. Moscow, vol. 40, no. 5, May 1967.

- Table of contents translated.
- Editorial: Let us celebrate the great holiday with worthwhile accomplishments. p. 2.
- Feldman, I. - Business ties of trade and industry. p. 6.
- Izhev, V. - More concern for the tollers of the Far North. p. 9.
- Astashtin, N. - To forecast means to know. p. 12.
- Sushechuk, N. - For an efficient influence on industry. p. 15.
- Tsarev, A. - The "Gastronom" works in the new way. p. 17.
- Granovskaya, I. - The "Carpathian." p. 20.
- Grzheskii, L. - Store on the outskirts. p. 22.
- Vladimirov, G. - In an ordinary food market. p. 24.
- Basovskaya, G. - Preparing the sales plan. p. 26.
- Lasmanis, U. - Experience of a department store. p. 33.
- Liubimov, A. - During the war years. p. 35.
- Tukov, V. - Trade in the new five-year plan. p. 42.
- Mirskov, S. - The forge shop of personnel. p. 46.
- Lemeschenko, I. - Dates, sorts and storage. p. 49.
- Baba-Zade, F. - Wonderful fruit. p. 51.
- Eiomenko, V., Turlygina, E. - Reducing losses of carrots in storage. p. 52.
- Sorokina, R. - Efficiency of trade advertising. p. 56.
- Zabolotskii, V., Leshchinskii, A. - The potato conveyor-loader. p. 61.

VNESHNIAIA TORGOVIA [FOREIGN TRADE]. Organ of Ministerstvo vneshei torgovli SSSR [Ministry of Foreign Commerce of the U. S. S. R.]. Moscow, vol. 47, no. 4, 1967.

- Table of contents translated.
- Liubimov, N. - Lenin and Genoa and Rapallo. p. 4.
- Kapelnitskii, I. U. - The postwar trade with the countries of the west. p. 7.
- Kovan, I. - Legal contents of the decree on the nationalization of foreign trade. p. 13.
- Krelov, I. - The "Energomashexport" has great prospects. p. 17.
- Katulin, B. - Technical servicing. p. 20.
- Vinogradov, K., Krantsov, L. - A new tractor was put on the market. p. 22.
- We are expanding commercial ties. p. 25.
- Boldizhar, G. - In the interest of fraternal peoples. p. 27.
- Kuznetsov, N., Iur'ev, F. - Trade turnover with Pakistan expands. p. 31.
- Fel'chukov, I. U. - Trade agreement with Turkey has been signed. p. 32.
- Sevost'yanov, R. - Soviet furniture in Paris. p. 35.
- Kurshov, M. - For mass viewing. p. 36.
- Mironov, M. - The problem of currency convertibility. p. 38.
- Pokrovskii, A. - The Italian market of machinery and equipment. p. 42.
- Orlov, L. - Giving an exclusive right for sale. p. 50.
- Krasnov, G. - The "Kennedy Round" negotiations. p. 53.
- Bystrov, F. P. - Foreign exchange terms in contracts with the firms of capitalist countries. p. 56.
- Announcements. p. 61.

Vol. 47, no. 5, 1967.

- Table of contents translated.
- Baturin, N. - The U. S. S. R. trade with socialist countries. p. 3.
- Darchiev, D. - In the automobile market of Finland. p. 10.
- Day of large orders. p. 12.
- Nagrodskii, I. U. - The Khabarovsk machinery manufacturers increase their export deliveries. p. 14.

- Grishchenko, I. - The millenth "Moskvich." p. 15.
- Gorizontov, B. - Foreign trade transport of the Mutual Economic Assistance countries. p. 17.
- Todurascu, V. - The trend is toward further development. p. 20.
- Kostukhin, D. - Present-day business conditions of the capitalist economy. p. 25.
- Otresko, S. - General agreement on tariffs and trade, and the developing countries' trade problems. p. 32.
- Mal'kov, E. - Economic aspects of international tourism. p. 36.
- Agronov, V. - Leipzig, spring 1967. p. 42.
- Nikol'skii, V. - International salon of aeronautics and space. p. 46.
- Liubskii, M. - Aid or expansion? p. 52.
- Agalans, I., Volkova, I., Roznkova, I. - Directories of firms in capitalist countries. p. 54.
- Negotiations and agreements. p. 61.

ZAKUPKI SEL'SKOKHOZIAISTVENNYKH PRODUKTOV [PURCHASES OF AGRICULTURAL PRODUCTS]. Issued by Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee of Procurements of the Council of Ministers of the U. S. S. R.]. Moscow, no. 2, Feb. 1967.

- Table of contents translated.
- Fulfill contractual agreements strictly. p. 1.
- Lomako, I. - Contractual agreement is the law for every farm. p. 4.
- Kiselev, A. - In the struggle for abundant grain. p. 7.
- Shatskikh, E. - Leading collective. p. 10.
- Prepare on time for receiving the new harvest grain. p. 11.
- Pirogov, P. - State deliveries of agriculture products during the first years of the Soviet regime. p. 13.
- Pochtar', I. A. - More independence in management. p. 17.
- Pisarenko, N. - Important problems of cooperative procurements. p. 20.
- Chuk, A. - In full readiness! p. 24.
- Levitskii, G. - Provide anniversary harvest with high quality certified seeds. p. 27.
- Burov, V. - Enemy number one. p. 30.
- Pitmanov, A. - Let there be more grain in the country. p. 32.
- Kudel'kin, I. - Specialized organization of the procurement and sale of vegetables and fruit. p. 34.
- Liubchenko, O. - The route: farm-counter. p. 36.
- Smirnov, A. - The cost became lower. p. 39.
- Ul'ianov, P. - The milk truck and its advantages. p. 40.
- Procurement news. p. 42.
- Blidman, A. - "From the pavilion stands into production." p. 47.
- Bocharnikov, Vasilii - Poem about the Russian flax. p. 50.
- Vit'ishin, I. - Some characteristics of state deliveries in Czechoslovakia. p. 54.
- Redzik, L. - The onion. p. 56.

No. 3, Mar. 1967.

- Table of contents translated.
- Let us fill the motherland's granaries with grain during the anniversary year. p. 1.
- Bolnar, F., Dobrykh, V., Krutov, A. - For an abundant anniversary harvest and efficient organization of state deliveries. p. 6.
- The best enterprises of the cereal product and the combined feed industry. p. 10.
- Timoshenko, A., Sukharev, G. - Grain receiving station is getting ready for the new season. p. 12.
- Dorbin, L. - The capital waits for high-quality fruits and vegetables. p. 14.
- Pashkov, N. - Violation of assortment is violation of state discipline. p. 18.
- Oreshkov, E. - In the interest of the consumer. p. 20.
- Zavrazhnykh, A. - Some problems of cooperative procurement. p. 23.
- Riabkov, A. - Collective farm-bank-procurement. p. 26.
- Kimelov, A. - Quantity and quality. p. 30.
- Churilov, V. - Encourage the storage of vegetables and potatoes at the place of production. p. 34.
- Ulinochkin, A., Makarkin, A. - Quality and profitability. p. 36.
- Grigoriadi, K., and others. - Procurement of the strong variety of wheat in the Kuban. p. 38.
- Milin, I. U. - Work and concerns of the purchasing agent-cooperators of the Ukraine. p. 40.
- Levitskii, A. - A cereal product combine sets up an example. p. 42.
- Kuznetsov, I. - What is profitable for the flax-processing plant and unprofitable for collective farms. p. 49.
- Nizamiev, F. - Where are state specifications for cream? p. 50.
- Dmitriev, I. - Where to deliver sheep and poultry? p. 50.
- Somkin, S. - The master of tundra. p. 52.
- Elagin, I. - A new standard for the buckwheat. p. 54.
- Klimanov, V. - Mechanization of egg processing. p. 57.
- Kantsopol'skii, A. - Procurement of the Karakul in capitalist countries. p. 60.
- Marshak, M. - The cabbage. p. 64.

Table of contents translated:
 Koval', O. - Along the paths of improving the economics of agriculture, p. 1
 Lukinov, I. - The law of value and cost in socialist agriculture, p. 10
 Sha, H. - A state farm gives profit, p. 21
 Maslovskiy, I. - Increasing production (improving welfare and culture of the village), p. 25
 Buhalskiy, O., and others. - Main trends of increasing the profitability of livestock farming, p. 31
 Kalyla, M. - Improving price determination in supply branches, p. 38
 Radchenko, A. - Distribution of income and guaranteed wages on collective farms, p. 40
 Bandrovskiy, H. - Party guidance, and preparing enterprises for work in the new way, p. 54
 Franko, A., Fal'kovskiy, L., Shvachko, O. - The use of the network schedule in preparing enterprises for work under the new conditions, p. 59
 Bohalyov, V., Ivanyskiy, V. - Economic work in a trade enterprise, p. 68
 Supplement to the "Methodological instructions" published in No. 2 of the journal, p. 71
 Rodichev, M. - Improve the structure of the production of metal cutting machines, p. 82
 Tarasov, I. - Scientific and technical assistance of the workers, p. 80
 Mallarenko, H., Emchenko, V. - Methodological seminar on the problems of political economy, p. 83

6 ECONOMICS

EKONOMIKA I ZHIZN' [ECONOMICS AND LIFE] Issued by the Ministry of Higher and Secondary Education of the USSR [State Planning Commission of the Economic Council of the USSR] No. 3, vol. 9, no. 4, Apr 1967
 Table of contents translated:
 Gal'perin, E. B., Levin, S. M. - The "Grozneft" Combine and the "Tymazaburneft" Trust are changed over to a new work system, p. 3
 Khakhaev, B. N., and others. - Planning for indices in drilling of deep exploratory wells for oil and gas, p. 8
 Plotel', S. G., Bakhrakh, N. A. - A new method of establishing norms for the expenditure of the weighting agent and chemical reagents in the construction of oil and gas wells, p. 14
 Shein, V. A., Sidorov, M. A. - Efficiency of using various methods of drilling oil and gas wells in the Kuban, p. 18
 Bol'shov, V. I., Galeev, M. V. - Use of correlation analysis for the evaluation of capital yield on the oil fields of Tataria, p. 20
 Samedov, R. S., Isichenko, S. G. - Economic evaluation of a single-pipe gathering and transportation of petroleum and gas on the oil fields of Turkmenistan, p. 28
 Kovalenko, K. - The economic reform and some problems of branch management, p. 16
 Selivanov, V., Chybisov, V. - Yield of production funds and the efficiency of production, p. 24
 Pyrozhenko, M. - With the language of a poster, p. 28
 Methodological instructions for changing over enterprises, combines, and industrial branches to the new system of planning and economic stimulation, p. 30
 Kotov, L. - Trained force and increasing labor productivity, p. 49
 Zaslavskiy, N., Tsalk, M., Shevchuk, I. U. - Experimental control over the planning in construction, p. 53
 Hinzburh, B. - Artificial diamonds are an important factor in improving the efficiency of production, p. 60
 Kolesnyk, H. - Problems of the optimal organization of state purchases of agricultural products, p. 65
 Lyseenko, O. - Profitability of producing potatoes on collective farms, p. 69
 Dem'yanenko, V., Konoplytskiy, V. - Economic-mathematical model of supply management under the conditions of planned economy, p. 74

Table of contents translated:
 Sashin, V. D. - Petroleum workers in the anniversary year, p. 3
 Miris, I. E., Shitskaya, B. S. - Some aspects of carrying out economic reform in petroleum and gas producing industries, p. 9
 Vainikam, S. I. A. - Evaluating effectiveness of scientific studies in oil and gas prospecting, p. 12
 Plotel', S. G., and others. - Basic trends in increasing economic effectiveness of turbine drilling without pulling drill pipe, p. 13
 Shein, V. A., Mitichenko, V. I., Karpenko, V. N. - Economic results of introducing continuous technological process of well building into Kuban

Table of contents translated:
 Koval', O. - Along the paths of improving the economics of agriculture, p. 1
 Lukinov, I. - The law of value and cost in socialist agriculture, p. 10
 Sha, H. - A state farm gives profit, p. 21
 Maslovskiy, I. - Increasing production (improving welfare and culture of the village), p. 25
 Buhalskiy, O., and others. - Main trends of increasing the profitability of livestock farming, p. 31
 Kalyla, M. - Improving price determination in supply branches, p. 38
 Radchenko, A. - Distribution of income and guaranteed wages on collective farms, p. 40
 Bandrovskiy, H. - Party guidance, and preparing enterprises for work in the new way, p. 54
 Franko, A., Fal'kovskiy, L., Shvachko, O. - The use of the network schedule in preparing enterprises for work under the new conditions, p. 59
 Bohalyov, V., Ivanyskiy, V. - Economic work in a trade enterprise, p. 68
 Supplement to the "Methodological instructions" published in No. 2 of the journal, p. 71
 Rodichev, M. - Improve the structure of the production of metal cutting machines, p. 82
 Tarasov, I. - Scientific and technical assistance of the workers, p. 80
 Mallarenko, H., Emchenko, V. - Methodological seminar on the problems of political economy, p. 83

Table of contents translated:
 Gal'perin, E. B., Levin, S. M. - The "Grozneft" Combine and the "Tymazaburneft" Trust are changed over to a new work system, p. 3
 Khakhaev, B. N., and others. - Planning for indices in drilling of deep exploratory wells for oil and gas, p. 8
 Plotel', S. G., Bakhrakh, N. A. - A new method of establishing norms for the expenditure of the weighting agent and chemical reagents in the construction of oil and gas wells, p. 14
 Shein, V. A., Sidorov, M. A. - Efficiency of using various methods of drilling oil and gas wells in the Kuban, p. 18
 Bol'shov, V. I., Galeev, M. V. - Use of correlation analysis for the evaluation of capital yield on the oil fields of Tataria, p. 20
 Samedov, R. S., Isichenko, S. G. - Economic evaluation of a single-pipe gathering and transportation of petroleum and gas on the oil fields of Turkmenistan, p. 28
 Kovalenko, K. - The economic reform and some problems of branch management, p. 16
 Selivanov, V., Chybisov, V. - Yield of production funds and the efficiency of production, p. 24
 Pyrozhenko, M. - With the language of a poster, p. 28
 Methodological instructions for changing over enterprises, combines, and industrial branches to the new system of planning and economic stimulation, p. 30
 Kotov, L. - Trained force and increasing labor productivity, p. 49
 Zaslavskiy, N., Tsalk, M., Shevchuk, I. U. - Experimental control over the planning in construction, p. 53
 Hinzburh, B. - Artificial diamonds are an important factor in improving the efficiency of production, p. 60
 Kolesnyk, H. - Problems of the optimal organization of state purchases of agricultural products, p. 65
 Lyseenko, O. - Profitability of producing potatoes on collective farms, p. 69
 Dem'yanenko, V., Konoplytskiy, V. - Economic-mathematical model of supply management under the conditions of planned economy, p. 74

Table of contents translated:
 Alymov, O. - The five-day workweek and problems of the efficient use of leisure time, p. 1
 Dorev'skiy, T., Kul'chik, S. - Industrial development of Soviet Ukraine, p. 9
 Barabash, V. - Socialist transformations in Poltava Province, p. 18
 Bahrii, P. - Methodology of analyzing factors of commodity production under socialism, p. 22
 Boratynskiy, V. - Problems in the theory of the comprehensive development of industry, p. 27
 Lelov, M. - Progressive changes in the structure of industrial production of the Ukrainian S.S.R., p. 31
 Our interview: First steps, first conclusions, p. 35
 Tereshchenko, T. - Economic evaluation of a planned level of expenditures for coal production, p. 37
 Fedchenko, L. - Amount of profit in wholesale prices taking into consideration the relationship of the value of capital assets to the value of production, p. 42
 Husenko, H., Tsoma, H. - First results of the work in the new way of the "October" Clothing Factory workers, p. 48
 Hulynskiy, I. A. - Method of working out a bonus system for the economic use of materials, p. 49

- Zaitsev, O. - Social problems of the economic reform. p. 51.
- Bahratni, H. - Main trends of developing assembly production. p. 55.
- Stepanov, I. - Increase using the Dnieper as main transportation artery. p. 60.
- Starozhuk, T. - Basic indices and determining the level of agricultural intensification. p. 63.
- Zdorovitsov, O. - Efficiency of agricultural intensification. p. 70.
- Antimov, V. - Real wages and a method of fixing them. p. 75.
- Potapenko, S., Sil'chenko, A. - Prospects for developing and the comprehensive use of primary kaolin deposits. p. 82.
- Krushevs'kiy, A. - Some methods of forecasting a series of economic indices. p. 85.
- EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]**. Issued by Ministerstvo sel'skogo khoziaistva SSSR (Ministry of Agriculture of the U. S. S. R.). Moscow, vol. 42, no. 5, 1967.
- Table of contents translated:
- Volevchenko, I. - On completely converting state farms to business accounting. p. 1.
- The power of socialist competition and its popularity. p. 12.
- Zinchenko, T. - Incentive awards for the best work. p. 18.
- Filatov, B. - State farm is the winner in a competition. p. 20.
- Laplev, I. - Characteristics of commodity production under socialism, and providing economic incentives for agricultural development. p. 22.
- Loza, G. - Construction and development of state farms. p. 33.
- Glukhov, A., Kolychev, N. - Restoration of the village. p. 40.
- Methods of establishing work norms in agriculture. p. 54.
- Osad'ko, M. - The subsidiary private economy of collective farmers and state-farm workers. p. 68.
- Rumiantsev, M. - Graphic method of calculating planned yielding capacity. p. 72.
- Futukov, A. - Means for improving natural forage lands. p. 77.
- Khalbrankmanov, A. - Use of capital assets on collective farms. p. 84.
- Krugliak, B. - Depreciation allowances for capital assets. p. 88.
- Repp, H., Tamm, M. - Analysis of the structure of the working time of brigade leaders and managers. p. 91.
- Tarasovich, V., Zhivotko, B. - Put grass meal production on business accounting. p. 102.
- Shecharov, S., and others. - Norms for the consumption of electric and thermal power in agriculture. p. 106.
- Slupova, N. - Commercial poultry breeding in socialist countries. p. 115.
- Mol'nikov, V. - In the Department of Economics of the All-Union Academy of Agricultural Sciences. p. 123.
- EKONOMIKA SOVETSKOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]**. Issued by Gosplan Soveta Ministror Ukrainoi SSR and Institut ekonomiki Akademii nauk URSS [State Planning Commission of the Council of Ministers of the Ukrainian S. S. R. and the Institute of Economics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 10, no. 6, 1967.
- LIAUDIES UKIS [THE NATIONAL ECONOMY]**. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S. S. R.] and others. Vilnius, no. 7 (105), July 1967. [In Lithuanian]
- MATERIAL'NO-TEKHNIЧЕСКОЕ SNABZHENIE [SUPPLY OF MATERIALS AND EQUIPMENT]**. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po material'no-tekhnicheskomu snabzheniu [State Committee of the Council of Ministers of the U. S. S. R. for the Supply of Materials and Equipment]. Moscow, vol. 2, no. 5, May 1967.
- Table of contents translated:
- Manin, V. - The new goals of Krasnaya Presnya. p. 1.
- Ukhov, A. - Supplying light industry enterprises with complete sets of equipment. p. 8.
- Sverdlik, Sh. - Sales department of enterprises under the new conditions. p. 10.
- Kol'chak, N., Landa, TS. - Regularize economic indices in the procurement. p. 17.
- Zelenitsova, G., Stepanova, Z. - Reduce marketing costs in supply of materials and equipment. p. 24.
- Duksham, G. - Designing general supply bases. p. 29.
- Kas'lanov, V. - Striving to be equal to the world standards. p. 35.
- Pledges of workers of the All-Union Administration of Procurement of Metal Products. p. 37.
- Andreeva, O. - Organization of the supply of materials and equipment during the first years of the Soviet regime, 1917-1920. p. 39.
- Pertsovich, A. - Current problems of our work. p. 47.
- Khodchenko, L. - Progressive technology is an important factor in economy. p. 53.
- Pronkin, V., Naler, IA. - Eliminate deficiencies in the expenditure of lumber in coal mines. p. 56.
- Pishchulin, I. - The system of network planning in procurement. p. 60.
- Finkel', S. M. - Determining the profitability of supply and sale organizations. p. 67.
- Odesa, V. - Marketing costs, business accounting, and finance of supply and sale organizations. p. 71.
- Zelenisov, V. - Rewards for labor enthusiasts. p. 80.
- Nasakin, A. - Improve the procurement and use of reclaimed materials. p. 81.
- Basharov, Z. - Centralized supply of production with materials. p. 83.
- Bulgakov, L., Borshchevskaya, R. - Deficiencies of establishing norms for working capital in an enterprise. p. 85.
- Liaschenko, G. - Discrepancies in report data. p. 87.
- Chernyshev, V. - New relationships between an automotive transportation unit and a metal supply base.
- MIROVAYA EKONOMIKA I MEZH DUNARODNYE OTNOSHENIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]**. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, 1967.
- Table of contents translated:
- Modern times and the V. I. Lenin theory of imperialism. p. 3.
- International conference of Marxists. p. 23.
- Kheiman, S. - Scientific and technical revolution and the building of the material and technical foundation of communism in the U. S. S. R. p. 24.
- Kaladin, A. - Developing atomic engineering and the world security. p. 39.
- Draglev, M. - Evolution of the class structure of a bourgeois society. p. 51.
- Keremetskiy, IA. - Collective agreements and the class struggle in the U. S. A. p. 64.
- Bogomolov, O. - Some problems of the specialization and cooperation of production among the countries participating in the Mutual Economic Assistance Council. p. 73.
- Shapiro, A., Bogdanov, O. - Prospects for economic development in the U. S. A. p. 82.
- Problems of the industrialization of developing countries. p. 93.
- Krasavina, L. - The franc against the dollar. p. 109.
- Ralskiy, B. - Italy after the flood. p. 111.
- Tursova, L. - Consumer credit in Western Germany. p. 113.
- Solomonov, E. - State enterprises and budget in France. p. 115.
- TSvetlov, V. - The World Health Organization, and the U. S. A. p. 117.
- Economic Information. p. 120.
- Ostrov, A. - Oil of Nigeria. p. 123.
- Quinn, G. B. - Competition in the sphere of technology. Europe against the U. S. A. p. 126.
- L. B. - Scientific and technical progress and interimperialist contradictions. p. 136.
- On the 50th anniversary of the Great October, facts and figures. p. 152.
- No. 6, 1967.
- Table of contents translated:
- Lemin, I. - The Great October Socialist Revolution and the world politics. p. 3.
- Matveev, V. - Program of political realism. p. 18.
- Rumiantsev, A., Sterbalova, A. - Social and economic course of the Mao Tse-tung group and the working class of China. p. 30.
- Romanova, Z. - Industrialization of Latin America and the U. S. A. monopolies. p. 45.
- Marxists' international conference. p. 58.
- Shapiro, A., Bogdanov, O. - Prospects for developing the economy of the U. S. A.; article No. 2. p. 107.
- Savov, M., Bondarenko, E. - Debatable point of view. p. 117.
- Koval', V., Leonov, L. - On the front lines of strike struggle. p. 121.
- Facts and figures for the 50th anniversary of the October. p. 153.
- NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]**. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S. S. R.]. Alma-Ata, vol. 25, no. 4, Apr. 1967.
- Table of contents translated:
- Zhurin, N. - Everybody is responsible for labor discipline. p. 5.
- Shebayev, A., Shilina, L. - Results of work in the new way. p. 10.
- Ryckov, V. - Profitableness of articles is under control. p. 14.
- Tatarsenko, N. - Under the conditions of economic stimulation. p. 16.
- Volkov, N. - Year of search and experiments. p. 18.
- Kravets, A. - Cost and potentialities. p. 24.
- Egorov, V. - Industrial methods and economics. p. 29.
- Give the republic a large supply base of rock, gravel, and sand materials.
- Aksel'rod, A., Bukharbaev, T., Moiseev, V. - Production and needs. p. 34.
- Medvedev, M., and others. - Capital investments could be reduced. p. 39.
- Fedorov, N. - Overcome lagging in capital construction. p. 42.
- Gurba, V., Salykov, K. - What holds back the use of self-propelled machinery. p. 48.
- Iatsenko, P. - Mastering of new capacities is a primary general concern. p. 55.
- Shorianbaev, A., Samkin, V., Timofeev, L. - The coal industry in 1966; an economic survey. p. 60.
- Solodilova, R. - Volunteer participation in industrial management. p. 63.
- Girsh, V. - The working Balkhash keeps watch. p. 68.
- Raimkhodzhanov, A., Ateksanov, A., Laplov, G. - Two stages in developing plans for scientific labor organization. p. 70.
- Makalimov, A. - Basic problems of scientific labor organization. p. 74.
- The second year of the five-year plan. p. 79.
- Razumovskiy, L. - Campaign of the economy minded. p. 80.
- Malskevich, A. - Progressive method of waterproofing. p. 84.
- Mulin, IU. - Bui nishing instead of grinding. p. 86.
- Vasilovskiy, S. - Brigade business accounting in construction. p. 89.
- Standard regulation on issuing bonuses to workers of industrial enterprises which are being changed over to the new system of planning and economic stimulation of production. p. 92.
- Vol. 25, no. 5, May 1967.
- Table of contents translated:
- Editorial: The five-day workweek. p. 3.
- We carry out our plans! An interview with T. I. Baturov, Minister of Power Engineering and Electrification of the Kazakh S. S. R. p. 8.
- Bakibaev, T. - Kazakhstan trades abroad. p. 8.
- Temir-Tau, p. 11.
- Karatau, p. 13.
- Lincevskiy, V. - Improve planning in the plant. p. 14.
- Fishman, B. - There is a serious test ahead. p. 18.
- Mavlikaev, M., Tekhnorladnev, A. - We are working with profit. p. 20.
- Khusainova, S. - Basic problems were missed. p. 23.
- Potishchuk, I. - The economic reform and transport. p. 25.
- The second year of the five-year plan. p. 29.
- Burda, V., Iasakov, V. - Day-to-day control of production costs. p. 30.
- Sadomov, G. - The order has been signed, but what is next? p. 33.
- Khudin, IU., Kim, O., Rudol, I. - What coal miners expect from scientists. p. 39.
- Parakhin, P., Satubaldin, S. - Experience proves. p. 43.
- Bukharbaev, T. - It is not too late to correct the situation. p. 45.
- Shimakov, P. - Regular production flow is the basis of profitability. p. 50.
- Ufilmsov, F. - The economic incentive funds in construction. p. 53.
- Notaga, V. - Supply construction with a dependable base for estimates. p. 57.
- Zhdanov, G. - Important construction projects, time, and rates. p. 62.
- Mekhanoshin, K. - There are no incentives for high quality. p. 69.
- Sulaimov, S., Sharafiev, M. - There is a need for comprehensive method. p. 70.
- Nizhegorodov, F. - Bring rural construction to the highest level. p. 73.
- Economic administration of construction; an interview with M. A. Amstibovitskiy, Candidate in Economic Sciences. p. 78.
- Construction information. p. 83.
- In efficiency-promoting workshops. p. 86.
- Sheffer, E. - The Mankent water pumps. p. 86.
- Tikhonov, B. - Converting the APT-12-IBMZ Turbines to a weakened vacuum. p. 88.
- Li, E., Serokhovostov, M. - Initiative, creativeness, and economy. p. 89.
- NOVAIA INOSTRANNAIA EKONOMICHESKAYA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE]**. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.] and others. Moscow, no. 5, 1967.
- NOVAIA SOVETSKAYA EKONOMICHESKAYA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]**. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 4, 1967.

- Zaldenvarg, V. - On the subject and method of a course in "Currency circulation and credit in socialist society." p. 25.
- Geraschenko, V. - Credit and its development during the years of the peaceful building of the economy and the industrialization of the country p. 33.
- Shvets, A. - Efficiency of extending credit for the capital investments of collective farms. p. 42.
- Bondarenko, A. - Bank credit and developing inter-farm organizations. p. 46.
- Arnaudov, A. - The economic reform in operation p. 48.
- Grol'man, E., Zavel'skaya, I. - Work under the new conditions. p. 50.
- Nechaev, G. - On some changes in payment procedures p. 52.
- Rupasova, E. - What is new in payments for transportation. p. 54.
- Zabelinskii, F. - Control over the disbursement of wages in mines. p. 56.
- Eliseev, N. - Scientific labor organization is the basis of work. p. 58.
- Nefrebina, F. - Competition of two branches. p. 61.
- Riabtsev, N. - They are improving credit and payment work. p. 62.
- Karashev, N. - Savings banks of Kazakhstan. p. 64.
- Dubrovskii, A. - The five-day workweek in the savings banks of Perm. p. 67.
- Glas'kova, A. - According to the new schedule. p. 69.
- Kashechenko, V., Pavlov, V. - Technical servicing of accounting and computing machines. p. 70.
- Skokun, V. - State-Bank worker. p. 73.
- Pyldko, M. - Veterans of the credit system. p. 74.
- Local press on credit and payment relationships under the new conditions. p. 76.
- Anikin, A., Penamarenko, G. - Pension and charity funds in the credit system of capitalism. p. 82.
- Brief information on foreign exchange and banks abroad. p. 89.
- Issuing credit to enterprises for the total loan required. p. 93.
- In the Board of Directors of the State Bank of the U. S. S. R. and the Presidium of the Central Committee of the Trade Unions of Government Workers. p. 95.

d. LABOR

- MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TRUDA. Voprosy truda [LABOR RESEARCH INSTITUTE. Problems of Labor]. No. 3, 1959. Work method of measuring labor productivity in industry.
- Table of contents translated:
- Roishtein, A. I. - Work method of measuring labor productivity in blast furnace and open-hearth production. p. 7.
- Mashlinski, I. A. - Work method of measuring labor productivity in apparatus production, as exemplified by petroleum chemistry. p. 71.
- Smirnov, D. V. - Work method in spinning and weaving production. p. 88.
- Gamb'lon, N. M. - Work method of measuring labor productivity in the shoe industry p. 129.

- RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda," Moscow, no. 6, June 1967.

- RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'nyi Komitet Komunisticheskoi partii Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 43, no. 6, June 1967.

- SOVETSKIE PROFSSOJUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Sojuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 23, no. 8(362), Apr. 1967.
- Table of contents translated:
- Editorial: Transforming the world. p. 2.
- Ursol, S. - War's last motors. p. 5.
- Krest'ianinov, V. - The Moscovites' contributions to the celebration of the 50th anniversary of the Great October. p. 8.
- The reform and material incentives. p. 10.
- Kraevoi, V. - Wings of initiative. p. 14.
- Likhovid, S. - Everybody is in search. p. 15.
- Sheglov, G. - Vernal floods. p. 17.
- Kanova, A. - "Model service" is the motto of communication and traffic workers. p. 20.
- True friends of the press. p. 21.
- From our worker and rural correspondents and volunteer journalists. p. 24.
- Studying, consulting, arguing. p. 26.
- Fedinin, V. - Technological progress and the Soviet workers' culture. p. 28.
- Aleksandr Moskvyn and his helpers. pp. 30, 33.
- Murashov, A. - What a brigade can do. p. 31.
- Shafarelov, V. - Without idle time! p. 32.
- Khaletskii, V. - Individual approach to everybody. p. 33.
- Staf, Karl - The slogan, "Independence!" p. 35.
- Ploinkov, A. - For contacts without bias. p. 36.

- Soviet trade unions are active fighters for the party cause. Theme No. 8. p. 38.
- Belogorov, M. - The service industry of Mordavia in 1967. p. 44.
- Udimsev, V. - Reward for the best ones is an incentive to all. p. 45.
- Probation period. p. 46.

Vol. 23, no. 9(363), May 1967.

- Table of contents translated
- Editorial: Put the five-day workweek on a strong footing p. 2
- Vladychenko, I. - Competition in the anniversary year p. 4
- Sokolov, A. - Boundary that unites p. 8
- Karaev, D. - Youth of ancient Turkmenia. p. 10.
- Borisov, A. - Along the paths of a dream. p. 14.
- Semlakhin, N. - On "Samson" during the October days. p. 16.
- City votes for "5 + 2". p. 18.
- Karpov, I. A. - The five-day workweek and production. p. 20.
- Labour protection on collective and state farms. p. 23.
- Gudkov, I. - Training and instruction p. 24.
- Voloshina, V., Kopeikin, M. - Analysis of the profitability of production. p. 26.
- Mikhailova, V. - Workers' facilities in an enterprise: difficulties and possibilities. p. 28.
- Fishevskii, I. U. - "Check time" with the theory p. 30.
- Subbotin, D. - Soldier of the Lenin Guard. p. 32.
- Amasov, A. - Laurels and thorns of the festival. p. 34.
- Baglai, M. - Along the Lenin path toward unity. p. 40.
- Iakho, A. - Protection of female labor. p. 46.

VSEMIRONOE PROFSSOJNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsesoiuznaia federatsia profsojuzov [World Federation of Trade Unions]. Moscow, no. 2, May 1967.

- Table of contents translated:
- Editorial: Sallant, Louis - The character of the W. F. T. U. and its internal democracy. p. 1.
- Barton, Brian - For trade without restrictions. p. 3.
- Gensous, Pierre - International economic and trade relations should be based on the principles of justice. p. 8.
- Bougeot, Etienne - Programmed genocide p. 13.
- Solidarity with the workers and people of Aden. p. 18.
- Khisteft, A. - Organization, more organization, and still more organization. p. 22.
- Matvejev, Rakei - For the satisfaction of our demands. p. 24.
- Yamanoto, Makiko - Japanese working women. p. 26.
- Yadamsuren, D. - Trade-union role in the national economy. p. 29.
- Krause, Dagobert - Let us defend trade-union rights with joint actions. p. 32.
- Anastazov, L. - In the name of 25 millions. p. 34.

e. SOCIOLOGY

- KOMSOMOL'SKAYA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo sojuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 12-12, June 1967.

- NASHE ZHYTTIA. OUR LIFE. Issued by Sojuz ukrainok Ameriky [Ukrainian National Women's League of America, Inc.]. Philadelphia, vol. 24, no. 7, July 1967.

- NOUKOGUDE NAIN [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 7, July 1967. [In Estonian]

- PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centra Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 5(77), May 1967. [In Latvian]

- RADIAN'SKA ZHINKA [SOVIET WOMAN]. Kiev, vol. 22, nos. 5(257)-6(258), May-June 1967.

- SMENA [THE YOUNGER GENERATION]. Organ of Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo sojuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 44, no. 12(962), June 1967.

- SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespechenia RSFSR [Ministry of Social Security of the R. S. F. S. R.]. Moscow, vol. 42, no. 4, Apr. 1967.
- Table of contents translated:
- In anticipation of the 50th anniversary of the Great October. p. 2.
- Sazonov, V. - Pension coverage in the first five-year plan. p. 6.

- Rybakov, A. - How the October benefited us? p. 8.
- Topuizdze, M. - The state takes care p. 9.
- Sergienko, V. - Home of the happy old age p. 13.
- Svilidov, I. - Serious examination p. 14.
- Beletskii, A. - They justified confidence. p. 17.
- Lobedev, V. - But there was enough strength p. 19.
- Correspondence with collective farmers. p. 20.
- Nazarov, A. - Earned respect. p. 22.
- Shishalovskii, M. - Search for the new. p. 24.
- Iakushin, S., Vergul', P. - Expertise of occupational disability. p. 28.
- Folgin, L. - There are potentialities. p. 30.
- Semenova, P. - Complete mutual understanding. p. 31.
- Mei'kunova, M. - Expertise in ulcerous nonspecific colitis. p. 32.
- Ryzhikov, T. - The "Avangard" Sanatorium in the new stage. p. 34.
- Vesolova, N. - The Lonin Guards remain active. p. 36.
- Kutaltsev, E. - They were disabled p. 40.
- Mei'akii, N. - Our red corner. p. 41.
- Samolov, G. - Communist, physician, woman. p. 44.
- Evscev, N. - Honor and glory to the working woman. p. 47.
- Skazhin, D. - Courses for driving the "Zaporozhets." p. 48.
- From the Collegium of the Ministry. p. 49.
- Individual problems in awarding pensions for machine operators and specialists, collective-farm members. p. 54.
- Benefits for defenders of the motherland. p. 58.
- New developments in legislation and normative acts. p. 60.
- Fischer, Ludwig - Report from a Munich doss house. p. 62.

Vol. 42, no. 5, May 1967.

- Table of contents translated:
- General Assembly of the International Association of Social Security. p. 2.
- Antipina, Z. - Condition of the disabled veterans and the handicapped during the first years of the Soviet regime. p. 6.
- Leont'ev, V. - On Kazakh collective farms. p. 9.
- Kozlov, A. - On the background? p. 12.
- Khromov, D. - Good appraisal was given. p. 15.
- This is how collective farm counsels work. p. 16.
- Savushkin, P. - The labor passport. p. 18.
- Timofeev, E. - We help to get documents. p. 18.
- Andeeva, N. - What gives strength to man. p. 22.
- Common business. p. 26.
- Skrupnik, P. - One should think... p. 28.
- Podkorytov, I. - There is something to be proud of. p. 30.
- Fashkev, N. - They continue to work. p. 31.
- Khvilivitskaya, M., Kalinina, E. - Purpose and problems of the cardiological medical expertise of the capacity for work. p. 32.
- Polotova, M. - They are no longer disabled. p. 34.
- Priezzhev, I., Kisina, T., Novikova, G. - Industrial accidents and the expertise. p. 36.
- Botsula, V. - Academic year is coming to an end. p. 38.
- Tatarskii, N. - Medical expertise of the capacity for work and placing in jobs is a single process. p. 41.
- Lysenkov, E. - Top reward. p. 45.
- Zhil'skii, A. - There are no hopeless situations. p. 47.
- Ivanov, L. - Labor enthusiasm. p. 48.
- Smetetova, P. - The plant has four branches. p. 50.
- Pro
- So
- GI

SC

7

VIENNA, NOVEMBER 1967

- UZBEKISTON SOTSIAL' TA'MINOTI [SOCIAL SECURITY OF UZBEKISTAN]. Issued by Ministerstvo sotsial'nogo obespechenia Uzbekskoi SSR [Ministry of Social Security of the Uzbek S. S. R.]. Tashkent, no. 2(91), Apr. 1967. [In Uzbek]

- ZHENSCHICHNY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaya demokraticeskaya federatsia zhenshichin [Women's International Democratic Federation]. Berlin, no. 2, 1967.

6. POLITICAL SCIENCE

- AGITATOR. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Sojuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 2, Jan. 1961.
- Table of contents translated:
- Editorial: Starting the third year of the seven-year plan. p. 3.

No. 6, Mar. 1961

Stepikova, V. - The banner of the fight for communism. p. 3

Sychev, M. - With Lenin's course, a review of the political, economic, and cultural life. p. 13.

Kondakova, N. - The whole nation is preparing for the congress. p. 18.

Momdzhian, Kh. - Great strength of our time. p. 22

Estigneev, V. - The principle of material self-interest. p. 22

Borodulin, A. - The struggle for metals. p. 31.

The price of small magnitude, facts and figures. p. 34

Tkachev, G. - Our crops are high and steady. p. 36.

A dictionary of winged and foreign words. p. 39.

Foreign humor. p. 40.

Bukharov, A. - Confirming the principle "Who does not work, does not eat." p. 41.

Kofova, A., Tikhonov, V. - Correspondence schools for propagandists discussed on the pages of newspapers. p. 44

Dvornik, B. - "Talking letters" for sailors. p. 45

Kriuchkova, V. - In the motherland of "great initiative." p. 47

Zaporozhskii, K. - A right to be called a communist district. p. 49

Dvorlanov, F. - Il'ich's path, a sketch. p. 51.

Nezdrucov, S., Konyshin, V. - A headquarters for new sources of labor supply. p. 55

Letters to the editor. p. 56

Chukanov, S. - New films about V. I. Lenin. p. 61

Brief news. p. 63.

No. 11, June 1961

Table of contents translated

Editorial: Public participation in educational work. p. 3.

Mal'chuk, A. - A lesson in history to the aggressors. p. 6.

Pavlov, S. - A festival of happy youth. p. 11.

Vasilenko, M. - Agricultural production must be on a scientific basis. p. 16

Work of the propaganda group. p. 22.

Soroko, P. - We are reaching the boundaries of the seven year plan. p. 23.

Sirekalo, P. - Valuable cultivation. p. 26.

Forests are our wealth. p. 29.

Sgibnev, A. - The Soviet character. p. 31.

A dictionary of winged and foreign words. p. 34.

Sychev, M. - Change of the marionettes. p. 35.

Nikolaev, Kh. - Laos needs peace and independence. p. 36

Kirsanov, A. - Little Rock yesterday and Alabama today. p. 37.

Kuz'min, V. - This is the way the French worker lives. p. 38.

Ziabrev, A. - From the Yenisey notebook (conclusion). p. 41

Molchanov, V. - The initiative of the Gornyy Altai scientists. p. 45.

The conference at the Central Committee of the CPSU on problems of mass political work. p. 46.

Participants in the conference are expressing their views. p. 49.

Vishniakov, A. - What are nationalities? p. 57

Motion-picture stories on progressive experience. p. 63

No. 4, Feb. 1961

Table of contents translated

The first rule of interplanetary flights. p. 2

We must try to equal the television lights. p. 3

We must fight radically against conservatism. p. 7

Vasilenko, V. - The life of the people of Taymyr. p. 9

Slavutsky, P. - Everyday life of the rural scientists. p. 12.

Work of the propaganda group. p. 15

Ritov, V. - Original decisions. p. 16

O. A percent increase in labor productivity. p. 19

Hufanikova, L. - Marketability of collective farm products. p. 21

Iuridin, S. - Honor and conscience. p. 24

A dictionary of winged and foreign words. p. 28

Pazurov, V. - Dedication. p. 29

Karavayev, K., Lyshchinskii, G. - An Institute of technological progress. p. 32

Medvedev, M. - In struggle for peace and progress. p. 33

Facts only. p. 38

Novitskiy, L. - To risk boundaries. p. 39

Smolnikov, A. - Progressive experience should serve as law. p. 43

Mikarov, V. - New developments. p. 46.

Ripin, A. - May the aloe of a star shine forever! p. 48

San'ko, M. - Man is most important, a sketch. p. 49

Vasilenko, L. - The power of public opinion. p. 53

Platov, A. - Where is A. Mikarochkin wrong? p. 54

Burbaul' K. - It is good to be a Communist. p. 55

Brief news. p. 63

No. 5, Mar. 1961

Table of contents translated

Editorial: Let us prepare for the congress. p. 3.

Oskitskiy, F. - Revolutionaries of labor. p. 6.

Leon, Max - The undying flame, an article dedicated to the 90th anniversary of the Paris Commune. p. 12

Titkov, V. - Organizer of the victories of the Mongolian people. p. 15.

Chaikin, P. - Spring does not wait. p. 17.

Mar'asov, A. - Creators of new technology. p. 20.

Work of the propaganda group. p. 21.

Sukhomov, B. - Corn is our wealth. p. 22.

Daligikh, N. - We must strengthen the spirit of collectivism. p. 26

One simple minute. p. 28.

Iurimaitis, S. - Catholicism is serving reaction. p. 30.

A dictionary of winged and foreign words. p. 34

Seregin, L. - Oil kings and the war in Algeria. p. 35.

The American tragedy. p. 37.

Chestechev, P. - The propaganda group is the support of the collective farm administration. p. 38.

Ivan'ovich, N. - We must reach every citizen of the capital. p. 41

Chebulankina, V. - Contact the people! p. 45.

Trubitsina, E. - Libraries and atheism. p. 47.

Guseva, Z. - Fighting for the people, a sketch. p. 48.

Letters to the editor. p. 51.

Pakin, S. - The tyranny of Salazar under attack. p. 55.

The opinion of the Voznesensk District Party Committee. p. 57.

No. 12, June 1961

Table of contents translated

Editorial: We must be truthful and honest. p. 3.

In the interest of peace. p. 7.

Il'ichev, L. - Work creatively with the masses! p. 9.

Tliarenko, S. - Guidance to action. p. 18.

Vistinetskiy, M. - The new will grow and conquer. p. 21.

Abramchenko, E. - Rapid development of Soviet metallurgy. p. 25

Belousov, V. - Among people, a sketch. p. 28.

Work of the propaganda group. p. 32.

Morozov, P. - The tools are your weapons. p. 33.

Neverov, A. - Use ponds efficiently! p. 37.

Crops need good care. p. 40.

A dictionary of winged and foreign words. p. 43

Gollo, V. - "Real hell on earth." p. 44.

Seifulin, E. - Struggling with hardships. p. 47.

Katulin, V. - Good people. p. 48.

Sokolova, S. - Dictated by life. p. 49

Demurov, S. - A village is changing. p. 49.

Kirpilanov, R. - Work in study groups. p. 50.

Pakhomov, A. - Trying to equal the beacon lights. p. 52.

Misul'skiy, P. - In the spirit of friendship among peoples. p. 53.

Kuznetsov, E. - Propagandists need to be guided. p. 54.

From the editor's mailbag. p. 57.

Brief news. p. 63.

No. 22, Nov. 1961

Table of contents translated

Editorial: Your obligations, propagandists. p. 3.

Bessudnov, S. - A program which inspires people. p. 9

Omarov, A. - The course toward automation. p. 14

Themes for lectures and talks based on materials of the 22d Congress of the CPSU recommended by the Section of Propaganda and Political Lectures of the Central Committee of the CPSU in Union Republics. p. 18.

A source of abundant food products. p. 20.

Golovan', I. - With the party with mind, conscience, and heart. p. 24.

Work of the propaganda group. p. 28.

Ivanov, V. - Creative nature of labor. p. 20.

Sharikov, M. - Relying on progressive experience. p. 32

Sirukov, G. - We are cultivating forage beans. p. 34.

Vasil'ev, A. - The building of communism in our lands. p. 37.

A dictionary of winged and foreign words. p. 39

Paletta, J. - Program of the new society. p. 40

Sychev, M. - The membership of the communist party is growing. p. 43.

At the world map. Tanganyika. p. 46.

Rusakov, L. - Real friends. p. 47.

Kuznetsova, K. - The initiative of the veterans of labor. p. 50.

Paikov, A. - The achievements of innovation should be adopted by the workers. p. 61.

Zvodskii, N. - Temporary office of the district party committee. p. 65.

From the editor's mailbag. p. 67.

No. 24, Dec. 1961

Table of contents translated

Editorial: The country on the road toward communism. p. 3.

The plans of the party put into practice. p. 7.

Risnol, A. - An important branch. p. 10.

Korlagin, A. - The united national property. p. 14

Heyday of culture. p. 17.

Zhukov, V. - The forces of the world are growing and conquering. p. 20.

Work of the propaganda group. p. 21.

Makhovskii, V. - Machinery should be used for many years to come. p. 25.

Iskakov, S. - Conquering the second virgin land. p. 27.

Kuz'michev, V. - Successful results in a difficult undertaking. p. 30.

Artsmandi, R. - Our guiding star. p. 33.

At the world map: Western Samoa. p. 37.

Lynskii, V. - Meditations of rural propagandists. p. 38.

Zhangirov, A. - We must provide the readers with necessary books. p. 43.

Formation of the new man. p. 43.

Kalashnikov, D. - Voluntary participation of literary museums. p. 48.

From the editor's mailbag. p. 49.

No. 21, Nov. 1961

Table of contents translated

Editorial: Carry out the plan for this year ahead of time. p. 3.

Fonichev, V. - The very influential force of our time. p. 7.

Plquet, René, - Unfading light. p. 14.

Katerinich, A. - Renewed Mongolia. p. 19.

Karlofili, G. - Mighty arm of the armed forces on the occasion of Artillery Day. p. 22.

Murtaliev, B. - Shoulder to shoulder. p. 24.

Navitskaya, I. - Look ahead. p. 28.

Latypov, F., Shamsilitov, D. - The "Leninist Fridays." p. 29.

Vinogradov, C. - Poetic vein. p. 32.

Silutinskiy, A. - Tradition in action. p. 35.

Vilnovskaya, R. - Across the seas and oceans. p. 37

Amateur motion pictures, slides, motion pictures and sound recordings. p. 41.

Bochkareva, M. - How to find the book you need. p. 43

Gegeshidze, D. - They are adapting themselves. p. 45.

Kublanov, A. - Village construction guard. p. 48.

Pir'kovich, L. - Put cybernetics to use in agriculture. p. 51.

Sorduk, V. - The initiative of club activists. p. 53

Logvinova, T. - Real and phony culture. p. 55.

Seifut-Mullukov, F. - The voice of the nonaligned countries. p. 58.

Gubanov, I. - American "records." p. 60.

Vol. 35, no. 10, May 1967

Table of contents translated

Editorial: Discipline and labor. p. 3.

In the interest of all nations; summing up the Conference of the European Communist and Workers' Parties held in Karlovy Vary. p. 6.

Brief news on the preparations for the anniversary. p. 9.

Eshtokin, A. - Heroism of everyday life. p. 12.

Matskevich, V. - For the rapid development of agricultural production. p. 10.

Tarasov, N. - With the course of accelerated development; an article dedicated to the Day of Light Industry Workers. p. 20.

Turobov, V. - Deeds should follow words. p. 24.
 Dorisov, B., Mirskii, M. - Medical services, facts and figures. An article dedicated to the Day of Medical Personnel. p. 26.
 Markin, B. - Geography of our agriculture. p. 30.
 Dohrovil'skii, A. - The Exhibition of National Economic Achievements of the U.S.S.R. in the anniversary year. p. 34.
 Vachnadze, K. - A story of a forest. p. 35.
 Kardashev, P. - To be specific means to be convincing. p. 42.
 Komarov, E. - Lenin's lessons. p. 42.
 Samarkin, A. - With the toilers of irrigation farming. p. 44.
 Shustikov, V. - Demand for political lectures. p. 45.
 Dotisov, M. - "Guardmen" of the fields. p. 48.
 Genis, N. - In order to understand the circumstances we must establish contacts. p. 50.
 Photographs published for the anniversary year. p. 52.
 Pak, Iu. - New procedures for awarding bonuses. p. 54.
 Evdokimova, I. - There are more livestock products. p. 56.
 Correspondence with readers. p. 57.
 Dragin, N. - After the fascist military d'état in Greece: notes of an observer. p. 58.
 Facts only; an article dedicated to the International Day of Child Protection. p. 60.
 New books. p. 64.

Vol. 35, no. 11, June 1967.

Table of contents translated:
 150th anniversary of Karl Marx. p. 2.
 Editorial: A five-day work week! p. 3.
 Brief news of the preparations for the anniversary. p. 6.
 Readers' communications. p. 8.
 Grushelskii, I. - The sun of the Soviet Ukraine p. 9.
 Lazikovitch, V. - Transformation of Polesye. p. 15.
 Stavitskii, I. - With fiery words and personal examples. p. 18.
 Voronina, N. - Festive looks of Starosel'ye. p. 20.
 Kotlar, Fanišek - Inspired by the October Revolution. p. 22.
 Selunskaya, V. - According to Lenin's cooperative plan. p. 25.
 In the hot workshops of our land, facts and figures. An article dedicated to the Day of Steelworkers. p. 30.
 A holiday of Soviet fishermen; an article dedicated to the Day of Fishermen. p. 33.
 Prokhorenkov, N. - Knowing one's business. p. 36.
 Kozhevnikov, M. - Political lecturers are in training. p. 38.
 Polev, V. - The first results. p. 39.
 Gladyshev, N. - The fields are calling. p. 42.
 Perov, V. - "Driver, I wish you luck!" p. 44.
 Zaidner, V. - To get to step with the heroes. p. 45.
 Kolontskii, P. - Atheism and humanism. p. 47.
 Bushagin, P. - The activists. p. 49.
 Correspondence with readers. p. 50.
 Glazunov, E. - We cannot stop life! Notes of an observer. p. 52.
 Zavolzhskii, S. - The wings of "Darus." p. 54.
 Sergeev, L. - The nationalities problem in the Chinese People's Republic and its chauvinistic perversion. p. 55.
 Trockurov, N. - About bureaucrats in smocks and without smocks. p. 60.
 New books. p. 64.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestitmaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 5, May 1967. [In Estonian]

KAZAKHSTAN KOMMUNISTI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 46, no. 6, June 1967. [In Kazakh]

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 41, no. 6, June 1967.

KOMMUNIST [COMMUNIST]. Issued by Tsentral'nyi Komitet Kommunisticheskoj partii Latvii [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 6(618), June 1967.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by Tsk Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 6, June 1967.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoj partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 22, no. 6, June 1967.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 41, no. 5, May 1967.

Table of contents translated:
 Editorial: Lenin's friendship of the Soviet peoples. p. 2.
 Kochemasov, V. - Under the leadership of the party to a common goal. p. 12.
 Take a look at the map of Russia. p. 21.
 Egoichev, N. - The heart of our homeland. p. 30.
 Kruglova, Z. - The cradle of the Great October Revolution. p. 42.
 Hard alloys. p. 48.
 Orlov, A. - To new achievements of labor. p. 53.
 Sapukhin, A. - The empowering effect of competition. p. 57.
 Gurzhii, I. - So close in history. p. 62.
 Prigodii, M. - Unity of fraternal culture. p. 75.
 A contender of the Great October Revolution. p. 84.
 Years of struggles and victories. p. 86.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 32, nos. 6-7, June-July 1967. [In Tajik]

KOMUNISTAS [COMMUNIST]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 5(515)-6(516), May-June 1967. [In Lithuanian]

KOMUNISTUL MOLDOVEI [COMMUNIST OF MOLDAVIA]. Issued by the Central Committee of the Communist Party of Moldavia. Kishinev, vol. 12, no. 6, June 1967. [In Moldavian]

MEZHUNODNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesojuznoe obshchestvo "Znanie" ["Knowledge"] All-Union Society. Moscow, vol. 14, no. 8, 1967.

Table of contents translated:
 Editorial: In the interest of lasting peace in Europe. p. 3.
 David, Vastav. - Foreign relations of the Czechoslovak Socialist Republic at the present stage. p. 10.
 Petrov, M. - Atomic weapon-free zones, a demand of our time. p. 17.
 Lomelko, V. - "Right wing radicalism" in the German Federal Republic. p. 24.
 Perlo, V. - How wartime economic recession started in the U.S.A. ? p. 33.
 Grigor'ian, Iu. - The problem of industrialization in Latin America. p. 44.
 Tomlin, Iu. - The intellectuals of Tropical Africa. p. 52.
 Accomplices of aggression. p. 62.
 Israeli, V. - Lenin's theory of international relations and reality of foreign policy. p. 68.
 Jouanne, V. - The October Revolution and France. p. 77.
 Zarnitskii, S., Sergeev, A. - The People's Commissariat of Foreign Affairs started this way. . . p. 80.
 Ganelharov, A. - "Little Europe" and the developing countries. p. 95.
 Shimanovskii, V. - Means of American foreign propaganda. p. 102.
 Dragin, N. - The coup d'état and its real background. p. 107.
 Golosubov, Iu. - New agreements. p. 109.
 Litvakov, S. - The United States in the vanguard of the counterrevolution. p. 110.
 Selivanov, V. - Against an one-sided agreement. p. 111.
 Korneeva, N. - Bonn's new flirtations. p. 112.
 Usalov, D. - Democracy of clubs. p. 113.
 Sayin, G. - A fire-spitting volcano. p. 114.
 In South Vietnam. p. 115.
 Dornberg, Stefan. - Bonn's ambitions in Europe. p. 125.
 Sedin, L. - International review. p. 141.
 Chronicle of great accomplishments (to be continued).
 Vast'ev, G. - Soviet-French collaboration, agreements and prospects. p. 153.
 In the notebooks of propaganda. p. 155.
 Analin, G. - Negotiations between the ambassadors of the Chinese People's Republic and the United States. p. 156.
 Propaganda of international affairs in the anniversary year. p. 158.
 Gontonskii, S. - A symposium on Latin American problems. p. 160.

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST].

Issued by Tsentral'nyi Komitet Vsesojuznogo leninskogo kommunisticheskogo sojuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 5, 1967.

Table of contents translated:
 Ivanov, G. - "His Proletarian Highness." p. 1.
 Grebennikov, G. - "Make room for the soviets." p. 6.
 Mikhailovich, A. - Courage of understanding. p. 16

Volkov, E., Doloi, E. - Where the "Kolumb" moored p. 30.
 Ganichev, V. - Annals of the bravery of the generation p. 42.
 Osipov, V. - Young literary men, their traditions and problems. p. 48.
 Kuznetsov, V., Putsylo, B. - Charmed by the North. p. 54.
 Vasil'eva, L. - Eight under one roof. p. 58.
 Daydov, M. - At the very boundaries of the city. p. 61.
 Kedrov, B.M. - Treat philosophy as Lenin did. p. 66.
 Petrov, Iu. - Registered at the Zhiguli Mountains. p. 76.
 Anpilogov, Iu., Baustlov, B. - Flowers on the snow. p. 81.
 Petrov, V. - Bearers of the Red Banner Order. p. 82.
 Konstantinov, L. - Svetlana Savitskaya, her character and records achieved. p. 86.
 Goland, V., Zhelov, V. - "Directed toward a breakthrough..." p. 91.
 Dubrovkina, Iu. - Houses under the rain. p. 96.
 Il'inski, I. - A guarantee of activity. p. 102.
 Nedviga, P. - We must not neglect rural schools. p. 109.
 Solodukhin, Iu. - Mathematical language of science. p. 110.
 Zaitsev, V. - Worldwide brotherhood of cities. p. 117.
 Afonin, S. - Union of the working youth of Vietnam. p. 120.
 Brychkov, A. - Under the mask of the National Student Association. p. 122.

MOSCOW. Ispolnitel'nyi komitet. Bulletin' [Executive Committee. Bulletin]. No. 16(610), May 1967.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 25, no. 2(1147), May 1967

Table of contents translated:
 Editorial: Simple decisions. p. 1.
 The Soviet-Bulgarian treaty. p. 3.
 Leonov, At. - The dead end of escalation; a review of the military action in Vietnam. p. 4.
 Letters to the editor. p. 6.
 L'vov, V. - Advancement; notes of the author. p. 7.
 Zaluchkovskii, Iu. - 90th anniversary of Rumania's independence. p. 10.
 Ari Shlota. - The war on the poor. p. 13.
 Chlenov, A. - Vallas Samotzidas, the soviet artist of Greece. p. 16.
 Popov, M. - At the house on Doros Avenue; correspondence from Budapest. p. 18.
 People and events: Syed Sharifuddin Pirzada; Stoyan Gyurov. pp. 19, 22.
 Khesin, E. - "Little Europe" and England. p. 20.
 Muuslopp, A. - Soviet Estonia in Montreal. p. 23.
 International notes. p. 24.
 Patmo Dutt, R. - Where is China going? (to be continued). p. 23.
 Shimmel', N. - The matter of "gifts"; a satirical sketch. p. 29.
 Rjurkov, D. - A land open to all the winds. p. 30.
 World politics. p. 32.

Vol. 25, no. 24(1150), June 1967.

Table of contents translated:
 Editorial: Aggression against the Arab world. p. 1.
 Rachk...
 Eas...
 Tr...

[illegible]

PARTIYA TIRMUSHI [PARTY LIFE] Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekii (Central Committee of the Communist Party of Uzbekistan) Tashkent, no 6, June 1967 [In

Table of contents translated.
About the work of the Omsk Province committee of the CPSU p. 3
At a festive stage p. 10
A festive group for party committee chairmen p. 12
Bartol, K. - We must select and train higher officials and specialists in the national economy the best possible way p. 21
The first years of the Soviet regime p. 30
Tatars, V. - Instructors of the district party committee p. 45
Are the party organizations of resident managers' offices taking advantage of their rights to control the work of the administration? p. 50
Turchak, A. - The Influence of Communists has grown p. 51
Turchak, V. - Trade is an important and honorable matter p. 53
Pankratova, I. - Women are active builders of communism p. 57
Nizhnik, A. - A five-day work week, p. 62.
Leningrad is getting ready, p. 65.
Leningrad contributes to the anniversary of the revolution, p. 65.
A friendship week p. 66
The effectiveness of party work on the agenda, p. 66
The secretaries of the local party organizations are striving p. 67.
How the internal party democracy is being observed, p. 67.
City patronage aid to rural areas, p. 68.
Visual propaganda must be carried out in a more businesslike way, p. 68.
Problems of party life discussed on the pages of the province newspaper, p. 68
We received these answers p. 70.
Pavel Pavlov - In the residential blocks, p. 72.
In the interest of peace and security, p. 75.
New books, p. 80.

Table of contents translated:
Editorial The party committee is the organ of collecting the leadership p 3
Gul'chak, B - The decisions of the Plenum of the Central Committee of the CPSU are being realized p 8.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. II, no. 7, 1967.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo rossiiskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America] New York, vol. 9, no. 6(102), June 1967.

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN] Issued by the Central Committee of the Communist Party of Uzbekistan, Tashkent, vol. 39, nos 4-6, Apr. - June 1967 [In Uzbek]

Table of contents translated:
Timofeev, T. T. - International significance of the October Revolution and present-day ideological struggle. p.3.
The party was an organizer of the victorious uprising.
The great victory. p.18.
Levin, V. I. A. - The problem of the socioeconomic nature of state capitalism. p.35.
Bachirskii, P. P. - Some peculiarities of the New Economic Policy in the Ukraine. p.45.
Tetlushnev, V. I. - Defense of right-wing opportunism of the CPSU by capitalist apologists. p.53.
Dolmets, G. K. - S. M., Kirov's activities in 1910-1914. p.66.
Musaeu, A. M. - From the work experiences of the party organization of Northern Caucasus on the disposition of Communists in agriculture, 1953-1958. p.74.
Mukhov, F. I. - An important landmark in the struggle for the revolutionary soldiers. p.84.

7. LAW

Table of contents translated:

Lesnot, V. M. - The October Revolution and Agrarian-Industrial Apparatus. p. 3.

Gribanov, V. P. - Imposition of civil law upon them upon the persons who gain the material income by exploiting their property. p. 13.

Shekov, G. - Struggle against the petty-bourgeois ideology of the left-wing Social Revolutionaries during the preparation of the first Soviet Criminal Code. p. 26.

Potemina, S. V. - Uniform and distinct features of the regulation of social relations by the civil codes of the Union Republics. p. 33.

Orlov, V. S. - Probationary period in suspended sentences imposed upon the minors. p. 43.

Vasil'ev, R. F. - Jurisdiction, structure, and the procedure of establishment of the administrative commissions of the executive committee of the district and city soviets of workers' deputies. p. 54.

Grigor'ev, B. V. - Some problems in the concept of the government-owned enterprises. p. 65.

Alaskuliev, A. - History of the legal protection of collective farm property in the Azerbaijan, 1918-1922 during the over-all collectivization. p. 76.

Georgian, E. - Constitution of the Turkish Republic. p. 81.

S. S. Kravchuk, a professor of Moscow University, on the 50th anniversary of his membership in the CPSU, p. 94.

Table of contents translated:

Nedhallo, P. - Principal functions of jurisdiction p. 3.

Korchak, I. - History of the organization of the Office of the Public Prosecutor of the Ukrainian R. S. F. R. p. 10.

Kremenytskyi, V. - Current problems concerning the residential construction in rural regions, p. 16.

Ptasyniy, F., Stollarchuk, D. - Let us enhance the role of district soviets in agricultural administration, p. 21.

Bychek, O. - We should improve the work of soviets in villages and settlements. p. 25.

Stadnyk, V. - Inquiries of deputies as a form of control, p. 28.

The problems which should be discussed, p. 31.

Sucherbyns'kyi, P. - Let us improve the forms and methods of public participation in the struggle against crime, p. 34.

Potrenko, P., and others - General supervision of the observance of laws and its role in crime prevention, p. 37.

Ialsenko, S. - Determination of the disorderly conduct aggravated by resistance to the representatives of the government and Soviet public, p. 44.

Sidenko, R. - Let us improve the trial of cases concerning the liability for work injuries and for other forms of injury to health, p. 46.

Korovkin, A., Dodin, I. E. - Examination of disorderly conduct cases and their materials, p. 53.

Riabokon', H. - Public reprobation as a form of punishment for petty rowdiness, p. 55.

Iermolenko, B. - How criminal investigators and courts evaluate and use the findings of expert witnesses in the identification of firearms. p. 57.

- Arkhyov, IE. - Legal status and forms of the participation of the recipients of merchandise in checking the number of delivered goods. p. 61.
- Holenko, L. - Some characteristics of the verification of quality of delivered goods. p. 64.
- Skrupnyk, V., Shelestov, V. - Legal problems arising during the execution of contracts for the delivery of agricultural products. p. 67.
- Nemynushchyl, M. - Where are the sources of the incorrect payments of collective farms. p. 74.
- Shkalenkova, K. - Special features of the regulation of some legal relations by the civil code of the Ukrainian S. S. R. p. 78.
- Nukhymovych, A. - Participation of the representatives of the Soviet public in the trial of criminal cases. p. 81.
- Itot, A. - We should systematize the normative acts which regulate the protection of health. p. 83.
- Usyk, I. - Everybody should participate in the struggle against drunkards and hoodlums. p. 85.
- Iirab, P. - More attention to the rehabilitation of convicts. p. 86.
- Kuznetsova, V., Iashchuk, P. - Give attention to the organization of work. p. 87.
- Tykhonova, IE. - Legal guarantees for the equal rights of the nationalities of Yugoslavia. p. 90.
- Decisions of the Supreme Court of the Ukrainian S. S. R. p. 94.
- How public prosecutors supervise the observance of laws. p. 100.
- Recent legislative enactments. p. 100.
- In the Institutes of legal research and law schools of the Ukrainian S. S. R. p. 109.
- RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet, Vedomosti [Supreme Soviet, Gazette], Moscow, vol. II, nos. 24(154), 26(458)-29(459), June-July 1917.**
- RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sud, Biulleten' [Supreme Court, Bulletin], Moscow, nos. 5-6, 1917.**
- RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi plati, Biulleten' [State Committee on Problems of Labor and Wages, Bulletin], Moscow, no. II, 1923.**
- Table of contents translated:
- Salaries for workers of centralized accounting offices. p. 3.
- Adoption of the regulation on wages for mixed-brigade workers engaged in loading and unloading work in river harbors and on landing stages for general use. p. 5.
- Procedures and amounts of compensation for workers of procurement enterprises and organizations for work exceeding the normal working time during the rush period of the acceptance of agricultural products and raw materials. p. 9.
- Supplement to the criteria for assigning fishing industry enterprises and organizations to managerial engineering and technical wage groups. p. 10.
- Procedure for paying wages to workers of mobile-repair shops of the Committee for Irrigation Farming and Water Economy of the U. S. S. R. for combining skills. p. 10.
- Salaries for workers of basin inspections of the use and preservation of water resources of the system of the State Committee for Irrigation Farming and Water Economy of the U. S. S. R. p. 11.
- Wages for enterprise workers whose regular work consists of guidance and service for the tuberculous in workshops and work sections especially organized for them. p. 14.
- Procedure for assigning departments of the supply and sale of materials and equipment to specialized departments. p. 14.
- Adoption of the regulation on issuing bonuses to industrial-training foremen and the managerial personnel of vocational and technical schools. p. 16.
- On paying bonuses to hourly workers engaged in the mastering of the new types of products, new types of equipment and progressive technology in chemical industry enterprises. p. 21.
- Supplements and amendments to the regulation on issuing bonuses to workers for putting productive capacities and work under construction into operation. p. 21.
- Material incentives for collective-farm chairmen and specialists for overfulfilling plans for the production and sale of unscoured rice to the state. p. 25.
- Paying bonuses to workers of land improvement machinery, meadow improvement, and overhauling machinery stations of the State Committee for Irrigation Farming and Water Economy of the U. S. S. R. for the creation and introduction of new equipment. p. 26.
- Procedure in accounting for the overdraft of the wage fund while paying bonuses to workers of construction-repair organizations and sections. p. 27.
- Procedure for issuing bonuses to workers of construction and assembly organizations for overfulfilling quarterly work plans for work on light, food, flour, and groats, and fishing industry enterprises. p. 27.
- Accounting for bonuses in compiling average earnings in order to pay for leave and compensate for unused leave. p. 29.
- Adoption of the standard regulation on issuing bonuses to workers of publishing houses and indices and procedures for assigning publishing houses to managerial and editorial and publishing-staff wage groups. p. 30.
- Adoption of the standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of civil aeronautics operational agencies and subdivisions. p. 35.
- Adoption of the standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of agencies (departments) engaged in general and practical fish-locating surveys in the fishing industry. p. 44.
- Adoption of the regulation on the piecework-bonus wage system for workers engaged in the repair of vessels of the fishing fleet. p. 47.
- Adoption of standard time norms for the preparation, chemical processing and thickening of a drilling fluid. p. 49.
- Adoption of uniform output (time) norms for geophysical field work. p. 49.
- Adoption of uniform output (time) norms for geodetic and topographic work. p. 50.
- Adoption of standard output norms for mining work in the schist mines of the "development mining and haulage operations" industry. p. 50.
- Adoption of standard output norms for the preparation of peat-mineral-ammontia fertilizers. p. 51.
- Adoption of standard time norms for the repair of technological equipment used in peat production. p. 51.
- Adoption of standard production norms for basic work performed by horses and hand in field-crop cultivation and vegetable growing. p. 52.
- Adoption of uniform norms and prices for construction, assembly, and construction repair work (Sbornik 4, No. 1 "Assembly of precast reinforced concrete and concrete structural elements of buildings and installations.") p. 52.
- Adoption of uniform norms and prices for construction, assembly and construction repair work (Sbornik 2, No. 3, "Boring and blasting operations.") p. 53.
- Introduction of amendments to standard management organization charts and norms for the number of engineering and technical workers and employees in enterprises engaged in the primary processing of rawhide. p. 53.
- Procedure for computing the amount of pensions for some categories of workers, on paragraph 124 of the Regulation on awarding and paying government pensions. p. 54.
- Some problems which arise when the instruction on the procedure for the computation of salaries for educational personnel is applied in practice. p. 55.
- No. 4, 1917.**
- Table of contents translated:
- Adopting the standard regulation of issuing bonuses to workers of industrial enterprises which are being changed over to the new system of planning and economic incentives. p. 3.
- Providing incentives for workers of mining enterprises and geological survey organizations for extracting gems. p. 10.
- On applying par. No. 83 of the statute on the socialist state industrial enterprises. p. 18.
- Issuing bonuses to workers of enterprises of the Ministry of Ferrous Metallurgy of the U. S. S. R. for increasing iron content in iron raw materials and improving other qualitative indices of the ore, concentrates, sinterings and pellets. p. 19.
- On increasing the amount of bonuses to workers, and engineering and technical workers of basic metallurgical workshops for fulfilling and overfulfilling the production plan. p. 20.
- Introducing amendments and supplements to the standard regulation on issuing bonuses to publishing-house workers. p. 21.
- Standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of enterprises and organizations of electric power industry. p. 23.
- Amendments and supplements to the standard regulation on the piecework-bonus and the hourly-bonus wages systems for workers of flour and groats, and mixed feed industry enterprises, plants processing hybrid certified corn seeds, and enterprises repairing sacks. p. 30.
- Extending the time established by paragraph No. 2 of the standard regulation on "Wages for workers employed in hard-alloy tool sharpening with diamond wheels. p. 32.
- Adoption of amendments and supplements to the wage and occupation classification manual for salespeople employed in retail trade enterprises, and to the wage and occupation classification manual for public dining service workers. p. 33.
- Adopting standard time norms for making shoes to individual orders. p. 35.
- Introducing amendments to the branch wage and occupation classification manual for workers employed in production of chemical pharmaceutical preparations, antibiotics, bandages, and dental materials. p. 36.
- Introducing a supplement to the wage and occupation classification manual for tire industry workers. p. 37.
- Establishing additional leave, a shortened 6-hour workday and free therapeutic and prophylactic diet for workers employed in aerosol production. p. 39.
- Supplements and amendments to the list of industries, workshops, occupations and positions with harmful working conditions which give the right to additional leave and a shortened workday. p. 41.
- Granting benefits to workers employed in silkworm nurseries and silkworm breeding stations with harmful working conditions. p. 43.
- No. 5, 1917.**
- Table of contents translated:
- Adoption of the standard regulation on issuing bonuses to workers of automotive transportation enterprises which are being changed over to the new system of planning and economic incentives. p. 3.
- Procedure for issuing bonuses to managerial, engineering and technical workers and employees of state specialized enterprises, production bases, workshops, areas, and sections of the "Vorochet" employed in the processing of iron and steel scrap metal. p. 10.
- Procedure for issuing bonuses to managerial, engineering and technical workers and employees of state specialized enterprises, production bases, workshops, areas, and sections employed in the procurement and processing of secondary nonferrous metals. p. 12.
- Introducing amendment to the standard regulation on wages for managerial workers and specialists of state farms and other state agricultural enterprises. p. 13.
- Establishing monthly wages for electricians working on state farms. p. 14.
- Procedure for paying supplements to wages for persons studying as of March 1, 1910 in higher party and trade-union schools for work in the Far North regions and equivalent territories. p. 17.
- Standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of machinery manufacturing, and metalworking industry enterprises. p. 17.
- On the piecework-bonus and the hourly-bonus wage systems for railroad transportation and subway workers. p. 25.
- Standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of administrations and enterprises of railroad transport and subways. p. 41.
- Standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of administrations and enterprises of marine transport. p. 47.
- Amending the wage schedule manual for mechanized work and work performed by horses and hand in crop growing and livestock farming in state agricultural and forestry enterprises.
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vyssheikh uchebnykh zavedenii; pravovedenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Jurisprudence], Moscow, no. I, Jan. - Feb. 1927.**
- Table of contents translated:
- For the further improvement of our work. p. 7.
- Korolov, A. I. - Problem of the historical necessity of the states of the socialist type. p. 11.
- Tunkin, G. I. - The Great October Socialist Revolution and the formation of the new international law. p. 19.
- Samoshchenko, I. S. - Normative and judicial means of the regulation of human behavior. p. 29.
- Farbor, I. E. - Human, civil, and personal rights in socialist society. p. 39.
- Tolsol, IU. K. - Civil law and the principle of material self-interest. p. 47.
- Lakushev, V. S. - The rights of government-owned industrial enterprises and guarantees for their realization. p. 57.
- Meerson, S. I. - Some problems concerning the improvement of patent laws. p. 65.
- Listopadov, P. S. - Further development of the legal regulation of the setting-up of labor norms. p. 74.
- Kalandadze, A. M., Syroedov, N. A. - Holders of exclusive property rights to government-owned land in the U. S. S. R. p. 80.
- Vinberg, A. I. - Basic principles of the technique of criminal investigation as a part of the theory of criminal investigation. p. 90.
- Makhnenko, A. Ki. - Using the method of comparative jurisprudence in studying and teaching the constitutional law of foreign socialist countries. p. 95.
- Kechek'ian, S. F. - Hegel and the historical school of law. p. 104.
- Il'inski, I. P. - New Constitution of Socialist Rumania. p. 110.
- Rybakov, IU. M. - Legal regulation of responsibility for damage relating to the activity of the states in outer space. p. 115.
- Exchange of rooms and apartments. p. 122.

... p. 176
... p. 177

... p. 30
... p. 31

... p. 12
... p. 13

... p. 22
... p. 23

... p. 24
... p. 25

... p. 29
... p. 30

... p. 32
... p. 33

... p. 40
... p. 41

... p. 44
... p. 45

... p. 50
... p. 51

... p. 53
... p. 54

... p. 59
... p. 60

... p. 62
... p. 63

... p. 67
... p. 70

... p. 73
... p. 74

... p. 79
... p. 80

... p. 82
... p. 83

... p. 87
... p. 88

... p. 92
... p. 93

... p. 98
... p. 99

... p. 104
... p. 105

... p. 107
... p. 108

... p. 112
... p. 113

... p. 26
... p. 27
... p. 31
... p. 32

Vol. 31, no. 10, May 1967.

Table of contents translated:

Kukarskii, I. - The 45th anniversary of the legal profession in the U.S.S.R. p. 1
Mikhel'son, I.A. - Legal regulation of the organization and work of industrial corporations. p. 3
Manau, I.U. - Examination of the personnel records and characterization of the accused during the trial. p. 5
Buzolepo, R. - Let us ensure the protection of trees and shrubs in cities and suburbs. p. 7
Zulalova, S. - Role of the Presidium of the Supreme Court of the U.S.S.R. in the education and training of judges and court employees. p. 9
Vil'nikov, G. - Effectiveness of the measures of public influence and rehabilitation. p. 10
Koshkarov, S. - Delimitation of the pilfering of socialist property and the criminal violation of the rules governing the use of natural resources. p. 12
Gurtzenzon, A. - History of the theory of Soviet criminal law. p. 14
Ignat'ev, V. - Procedure in filing claims with arbitration agencies. p. 16
Suspended sentences and the prevention of the recidivism of minors. p. 18
Trutnikov, P. - Binding nature of the instructive rulings of appellate courts. p. 20
Nasybulin, M. - A lawyer has come to a village. p. 22
Savitskiy, V. - An instruction on office work. p. 23
Brinykh, E. - Observance of law in the decisions of arbitration agencies and the personal liability of managerial personnel. p. 24
Sushkov, A. - Judge and teacher. p. 25
Smolin, V. - The Ninth Conference of the Federation of Arabic Lawyers. p. 26
Moshkova, V. - "The spider" (to be concluded) p. 28
Answering our readers' questions p. 30
Decisions of arbitration agencies. p. 31
Decree of the Presidium of the Supreme Soviet of the R.S.F.S.R. of April 8, 1967 p. 32

TASIKENT, UNIVERSITET Nauchnye trudy [UNIVERSITY Studies] No. 219, 1963. Iuridicheskie nauki [Juridical Sciences], no. 10.

Table of contents translated
Safullayev, F. Kh. - Zakirov, I. B. - Proposed civil code of the Uzbek S.S.R. p. 3
Pestov, I. A. E. - Proposed civil procedure code of the Uzbek S.S.R. p. 13
Atakhodzhaev, F. - Some problems concerning the codification of the marriage and family laws of the Uzbek S.S.R. p. 24
Azrukh, S. E., Bovshover, Z. R. - Consent of the factory, plant, and local committees of trade unions to the dismissal of workers and employees. p. 40
Klyueva, V. I. A. - Judicial examination of housing conflicts p. 51
Deglarenko, N. D. - Further improvement of the work of the soviets of workers' deputies in the cities of the Uzbek S.S.R. p. 72
Inamdzhaev, Z. I. - Experience in the mass organizational work of the district soviets of workers' deputies in Uzbekistan. p. 82
Sternik, I. B. - Injured party is the equally competent participant in judicial procedure. p. 111
Ochilov, U. - Suspects in the light of the new rules of criminal procedure. p. 123
Mukhlidimov, F. I. - Some problems of the consideration of the indictment. p. 135
Ikramova, M. G. - Program of the CPSU and some problems relating to the protection of socialist property in the U.S.S.R. p. 145
Dzhaliyev, T. A. - History of the Commissariat of Internal Affairs of the Turkestan A.S.S.R. p. 160
Rakhimova, A. A. - Some organizational problems in the administration of public education in the Uzbek S.S.R. p. 171
Gal'perin, I. M. - Release from criminal responsibility. p. 185

8. EDUCATION

4. GENERAL

AKADEMIYA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Izvestiya [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R.S.F.S.R. Bulletin]. Moscow, no. 131, 1964

Contents: [From the history of the schools of White Russia and Lithuania, transactions of the Institute of Theory and History of Education] Iz istorii shkol' Belorussii i Litvy, trudy Instituta teorii i istorii pedagogiki, 322 p.

DOSHIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION] Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 20, nos. 5-6, May-June 1967.

KAZAKSTAN MEKTEBI [KAZAKHISTAN SCHOOLS] Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol. 42, no. 5, May 1967 [In Kazakh]

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 20, no. 6, June 1967.

LITERATURA PO PEDAGOGICHESKIM NAUKAM I NA RODNOMU OBRAZOVANITU [LITERATURE ON THE PEDAGOGICAL SCIENCES AND PUBLIC EDUCATION] Issued by Gosudarstvennaya biblioteka po narodnomu obrazovaniiu [State Library of Public Education] Moscow, no. 2(63), 1967.

NARODNAIA ASVETA [PUBLIC EDUCATION]. Organ of Ministerstvo osvity DSSR [Ministry of Education of the White Russian S.S.R.]. Minsk, no. 6, June 1967

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Nounkogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.]. Tallinn, vol. 25, nos. 6-7, June-July 1967 [In Estonian]

NOVYE ISSLEDOVANIYA V PEDAGOGICHESKIIH NAUKAKH [NEW STUDIES IN THE PEDAGOGICAL SCIENCES]. Moscow, no. 4, 1965.

Table of contents translated:
Smirnov, A. A. - Methodology of programmed instruction. p. 9
Gal'perin, P. I. A. - Monitoring the learning process p. 15
Gal'perin, P. I. A. - Psychological basis of programmed instruction. p. 21
Reshetova, Z. I., Kaloshina, I. P. - Programmed training in industrial skills. Report 3: Organization of postoperational control during the development of industrial and professional skills without "teaching machines." p. 27
Ball, G. A., Dovgalik, A. M., Mashlitsa, E. I. - Theoretical analysis of teaching programs. Report 1: Raising the question and its starting point. p. 31
Matvushkin, A. M. - Characteristics of the quality of learning in the use of the Skinner system of programmed instruction. p. 39
Isaev, L. N. - Experience in the program of instruction of the Russian language. Report 1: Basic principles of programming. p. 44
Orlova, A. M. - Experience in preparing the programmed material for a Russian language course. p. 41
Sokhor, A. M. - Analysis of the coherence of instructional material. Report 1: Proposing a structural formula for the deduction. Report 2: Comparative accessibility of instructional material in the various ways of its presentation. p. 56
Shehedrovitskii, G. P., Sachivskii, V. N. - Characteristics of the basic trends in the study of the systems in logic, psychology, and linguistics. Report 2: Historical method of the critical reconstruction of the concept of symbols. p. 67
Vil'keev, D. V. - Using the personal experience of evening shift students in the process of assimilation of knowledge. p. 73
Marnianskii, I. A. - Psychological characteristics of the students' mastering the concepts of functions p. 78
Zakharova, K. P. - Methodology of the development of theoretical and group concepts in senior high school students in the study of a mathematics course. Report 2: Development of theoretical and group concepts during the study of geometrical transformation. p. 87
Grudenov, I. A. I. - Students' independent work with textbooks in mathematical exercises. Report 1: Psychological analysis of students' thought processes during the solving of problems and examples. p. 93
Gel'fan, E. M. - Students' fieldwork without measuring devices in a mathematics course for secondary schools. p. 98
Stol'son, L. D. - Mathematical and cybernetic methods of research in education. p. 104
Lefever, V. A., Dubovskaya, V. I. - "Method of solving a problem" as the content of instruction. p. 112
Levitan, E. P. - Introducing the problem of the development of the basic concepts of the universe in eight-year schools. p. 120
Osadchuk, L. A. - Significance of independently prepared notes in the assimilation of new instructional material, physics lessons in the senior grades of evening schools. p. 124
Plakina, L. V. - Indirect influence on personality. p. 129
Bronnikova, I. N. - Development of behavioral consciousness in preschool children. Report 1: Psychological characteristics of behavioral consciousness in children from two to three years of age. p. 135

- Sosnovikova, I. U. E. - Mental problem solving by maintenance filters and some demands of vocational training. p. 142.
- Shaporinskii, S. A., Sokolov, B. A. - Demonstration in manual training instruction. Report 1: The function of words and demonstration in manual training instruction. p. 149.
- Volchegurskii, L. A. - Characteristics of the thermal power engineering profile and some general problems in the choice of vocational training in secondary schools. p. 154.
- Chernenko, N. A. - Studying the development of the professional skills of 5th-8th grade students in the manual processing of metals. Report 3: Determining the amount of effort and muscular energy. p. 160.
- Egorov, S. F. - Methodological search in Russian schools of the early 20th century relating to the problem of the active participation of students in the learning process. p. 166.
- Shehedrovskii, G. P., Kostelovskii, V. A. - Analysis of the means and processes of spatial form cognition. Report 1: Introduction of the problem. Basic methodological contradictions in using the concept of "spatial form." p. 171.
- Ponomarev, I. A. - Deterioration in the development of an inner plan of actions and overcoming them. p. 177.
- Barkhalova, S. G. - Correlation between the speed and retention of memorization. Report 4: Age-conditioned differences in the students' retention of memorization. p. 183.
- Samokhvalova, V. I. - Correlation between the speed and retention of memorization. Report 5: Age-conditioned differences in the correlation of quantitative indices of the speed of the memorization of various types of material by schoolchildren. p. 189.
- Iatolina, Z. M. - Age-conditioned and individual differences in the correlation of levels of memorization in preschool age children during the performance of various types of tasks. Report 1: Quantitative analysis of the productivity indices of memorization under the conditions of various types of activities. p. 194.
- Parachev, A. M. - Studying the questions of logical problem solving in the formation of images. Report 2: Elementary algorithms in the reception and processing of information. p. 200.
- Kholmevskaia, V. V. - Role of standard form in proportion differentiation by preschool children. p. 207.
- Ushakova, T. N. - Characteristics of the preliminary adjustment of the human visual analyzer. p. 214.
- Artem'eva, E. I. U., Meshalkin, L. D. - Research on the delta-parameter characterizing asymmetry of the ascending and descending wave fronts of alpha-rhythm. p. 222.
- Kopnina, V. E. - Influence of vestibular stimulation on certain functions of the human organism. Report 5: Vestibular reactions of people in a helium-oxygen environment. p. 227.
- Misastov, V. I. - Developmental stages of reflex activity in children. p. 233.
- Ippolitov, V. V. - Individual differences of adequate and inadequate tactile sensitivity. Report 1: Differences in mechanical sensitivity. p. 239.
- Bondarevskii, E. I. A., Podolskii, V. G. - Instruction of 1st-8th grade students in equilibrium exercises. Report 2: Development of the contents of instructional material. p. 245.
- Egorov, A. S., Lobadev, I. U. N. - Relationship between a "sense of time" and a "sense of distance" in skiers. p. 250.
- RADIANSKA SHKOLA [SOVIET SCHOOL].** Organ of Ministerstvo osvity Ukrainy kol RSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 40, no. 5, May 1987.
- Table of contents translated:
- Shovchenko, V. V. - Party organizations and schools. p. 1.
- Patrusenko, I. A. P. - We should protect national historical monuments. p. 7.
- Lysonko, M. M. - Educational lectures devoted to the 50th anniversary of the Great October Revolution. p. 14.
- Sai, S. S. - Inculcating the heroic traditions. p. 10.
- Taynierlova, Z. G. - Educational role of school museums of battle glory. p. 22.
- Dykyl, V. M. - To love nature means to love one's country. p. 26.
- Iryshai, I. A. - Educational power of lessons. p. 29.
- Zashehlyta, P. G. - Planning the progress of general secondary education. p. 33.
- Saranov, P. E. - We are teaching how to choose a vocation. p. 40.
- Mittel'man, R. I. - A book of good advice. p. 43.
- Synytina, I. O. - Teaching them to live among people. p. 45.
- Ozhohlin, V. A., Donysov, O. I. E. - Informational completeness of the criteria of grading knowledge. p. 52.
- Kozhushko, O. A. - We tell children about their country. p. 62.
- Dubynchuk, O. S. - Basic methodological ideas of the new curriculum in mathematics for the 4th grades. p. 67.
- Zhezhera, F. K., Fedorenko, M. B. - Information feedback in elementary grades. p. 73.
- Boborykin, O. D., Ovehynnykova, M. P. - Development of some concepts of the economic laws of socialism. p. 75.
- Humeniuk, O. A. - Training students in research skills. p. 81.
- Tovpeko, F. O. - School principals and student collectives. p. 84.
- Kuchurina, O. M. - Propagandists of the progressive methods of education. p. 90.
- Kuklia, A. M. - Schools of progressive experience for principals and school superintendents. p. 93.
- Toward new achievements of Soviet schools. p. 101
- In the Ministry of Education of the Ukrainian S. S. R. p. 108.
- Havrilenko, O. - Scientific organization of work and the preparation of youth for industrial production work. p. 107.
- Mishchenko, I. S. - Anniversary pedagogical lectures. p. 109.
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Bulletin [Ministry of Higher and Secondary Specialized Education, Bulletin].** Moscow, no. 6, June 1987.
- SEM'IA I SHKOLA [FAMILY AND SCHOOL].** Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 20, no. 2, Feb. 1985.
- Table of contents translated:
- Dvoirlis, Z. - Envious destiny. p. 2.
- August Debel. p. 3.
- Savchenko, Georgii. - At the cradle of heroism. p. 4.
- Likhachev, B. - Intimate world of adolescents. p. 8.
- Akhilov, A. - Let's encourage creativity. p. 12.
- Shkita, I. I. A. - "Knowledge and work will achieve everything!" p. 14.
- Kalashnikova, L. - About love and friendship. p. 17.
- Kostygova, T., Nikulina, G. - Healthy mind in a healthy body. p. 19.
- Gennadii Nekrasov. - Teacher and poet. p. 22.
- Pechenikova, I. - Concise and effective. p. 23.
- Nizova, A. - Daily routine. p. 24.
- Baichenko, S. - Chemistry teacher. p. 26.
- Leibengrub, P. - Going up the steps of historical knowledge. p. 28.
- Shehebakov, K. - They are in love with life. p. 36.
- Klimov, V. - A family starts a hike. p. 42.
- Zinger, G. - Street, pedestrian and a car. p. 43.
- Gerbov, I. U. - All seas are on my window. p. 45.
- Timonin, A. - Play? No, it is creativity! p. 46.
- Play educates. p. 47.
- Vol. 22, no. 5, May 1987.
- Table of contents translated:
- Kazantsov, A. - Children of the October Revolution. p. 2.
- Mlagchenkov, S. - At a sharp turn. p. 4.
- Kuetski, V. - Aptitudes, what they are, where they come from and how can they be developed? p. 6.
- We are discussing the problem of women, family, and society. p. 9.
- Chernetsova, M. - When you respect a child. p. 14.
- Consultation center of "Sem'ia i shkola." p. 16.
- Shirayeva, L. - Let him do it alone. p. 17.
- Kharitonova, A. - The Mikhailovs; a sketch. p. 18.
- Rybakov, A. - Inspired by the October Revolution. p. 20.
- Makarova, N. - An easy ruble. p. 23.
- Zhukov, N. - According to the laws of beauty. p. 24.
- Kokovin, Evgenii. - The little brother. p. 26.
- Skatkin, M. - Polytechnical or vocational education. p. 28.
- Fedinski, I. U. - There will be dynasties of communication employees. p. 30.
- Develev, V. - Encounter with heroic deeds. p. 31.
- Nagovitsyn, D. - The new book. p. 33.
- Skrilev, I. U. - The twist. p. 34.
- Grigoreva, O. - We remember you. p. 43.
- Mogilevskaia, G. - When the most important is forgotten. p. 48.
- Ovehimikova, I. - Confession and rebuke. p. 49.
- Shakhova, T. - Our picture gallery. p. 49.
- Glatshova, S. - Much is demanded of an actor. p. 50.
- In family leisure hours. p. 52.
- SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY].** Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 10, no. 9, Sep. 1986.
- Table of contents translated:
- Atulov, P. R. - Polytechnical training and the development of the mental vision of students. p. 3.
- Skalkin, M. N. - Polytechnical education. p. 9.
- Zabakurin, N. I. - A. P. Sirotin, a manual training instructor. p. 13.
- Zel'dis, I. V. - A proper workplace. p. 15.
- Doznyi, G. Z. - Experience in acquainting fifth graders with technological procedures and work standards. p. 19.
- Noskov, I. A. I. - Development of work interests. p. 22.
- Ftialov, L. E. - Fastening the handle of a hammer. p. 24.
- Our best people. pp. 8, 53, 62.
- Alumbaev, B. I. - Various systems of industrial training. p. 25.
- Ulanov, V. G. - Our educational combine. p. 27.
- Kolotilov, V. V. - Developing the students' creative initiative. p. 33.
- Chel'tsov, F. S. - Remarks about manual training. p. 37.
- Razdymalin, I. F., Sheherbakov, M. I. - Plant growing instruction and its relationship to the fundamentals of sciences. p. 41.
- Sherengovii, P. Z. - Experimental work in horticulture. p. 47.
- Tudunov, Sh. N. - Acquainting senior students with the work of sheep breeders. p. 50.
- Patikhin, N. V. - Call signs were understood correctly. p. 52.
- Rotman, I. A. - Some aesthetic demands on the layout of drawings. p. 54.
- Liustimani, A. A. - Drawing engineering designs. p. 60.
- Zav'ialov, O. A. - A rapid-action mechanical vise. p. 63.
- Tveritin, V. P. - The "Maltulka" drill. p. 67.
- Koval', S. S. - A table model of a woodworking lathe. p. 67.
- Papinski, L. N. - A workbench seal. p. 72.
- Goiakov, K. S. - Device for the cutting of tenon beads. p. 72.
- Mingalov, I. A. M. - Vocational guidance work in school study groups. p. 74.
- Kuzin, I. V. - V. I. Lenin school museum. p. 78.
- Information. p. 80.
- Zamalin, V. S. - If it is according to standard, it is reasonable, profitable, and pretty. p. 81.
- Lapitskii, V. G. - Use of an artificial cover in raising early cucumbers. p. 84.
- M. D. Ivanov. p. 95.
- T. A. Edison. p. 96.
- Vol. 11, no. 4, Apr. 1987.
- Table of contents translated:
- Kondrat'eva, L. L. - Vocational orientation work in schools. p. 3.
- Programs for secondary schools. Polytechnic work programs for the 9th-10th grades; explanatory notes. p. 8.
- Practical training program on automobiles, 9th grades. p. 8.
- Practical training program on tractors, 9th-10th grades. p. 11.
- Practical training program in electrical engineering; 9th-10th grades. p. 13.
- Practical training program in radioelectronics, 9th grades. p. 14.
- Practical training program in metalwork; 9th-10th grades. p. 15.
- Practical training program in mechanical drawing, 9th grades. p. 16.
- Practical training program in fruit growing, 9th grades. p. 17.
- Practical training program in vegetable growing, 9th-10th grades. p. 19.
- Practical training program in livestock breeding, 9th-10th grades. p. 21.
- Practical training program in agricultural chemistry, 9th grades. p. 24.
- Practical training program in applied chemistry; 9th-10th grades. p. 24.
- Practical training program in sewing. p. 25.
- Practical training program in typing. p. 25.
- Programs for eight-year schools. Manual training in the 5th-8th grades, explanatory notes. p. 27.
- Technical education; 5th grades. p. 29.
- Technical education; 6th grades. p. 30.
- Technical education; 7th grades. p. 31.
- Technical education, 8th grades. p. 32.
- Servicing professions, 5th grades. p. 37.
- Technical and agricultural training; 5th-6th grades. p. 39.
- Agricultural training and servicing professions, 5th-8th grades. p. 43.
- Novozhilov, E. D. - Workbench devices for manual training classes. p. 46.
- Lubimov, V. N. - Device for spot welding. p. 53.
- Korolev, A. A. - Defects of the joiner workbench and their elimination. p. 54.
- Vechorskii, V. T. - In the students' leisure time. p. 57.
- Tkachenko, N. I. - Role of drawing and mechanical drawing in the student's preparation for practical work. p. 61.
- Kuzin, V. S. - Stimulation of the student's cognitive activities. p. 68.
- Medvedev, V. M. - Experience in organizing out-of-class work in school workshops. p. 65.
- Piskunov, A. I. - The great teacher Johann Amos Comenius; on the 375th anniversary of his birth. p. 67.
- Werner Kuhner. On manual training. p. 70.
- Messner, Erwin. Didactic and structural analysis as a means of the optimal organization of cognitive work. p. 70.
- Our scientists are technologists. p. 79.

START. Organ of Rada Soluzu sportyvnykh tovarystv i organizatsii Ukrain's'koi RSR [Council of the Union of Sports Associations and Organizations of the Ukrainian S.S.R.], Kiev, no. 6, June 1967

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

KINOMEKHANIKA [MOTION-PICTURE OPERATOR]. Issued by Gosudarstvennyi komitet Sovetskikh Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures], Moscow, no. 6, June 1967.

NOVYNY KINOEKRANU [CINEMA NEWS]. Kiev, no. 6(71), June 1967.

SOVETSKII EKRAK [THE SOVIET SCREEN]. Organ of Komitet po kinematografii pri Sovetskikh Ministrov SSSR i Soluz kinematografii SSSR [Committee for Motion Pictures, Attached to the Council of Ministers of the U.S.S.R., and the Union of Motion Picture Workers of the U.S.S.R.], Moscow, no. 11(251), June 1967

SOVETSKOE RADIO I TELEVIDENIE [SOVIET RADIO AND TELEVISION]. Issued by Gosudarstvennyi komitet po radioveshchaniu i televideniiu pri Sovetskikh Ministrov SSSR [State Committee on Radio Broadcasting and Television, Attached to the Council of Ministers of the U.S.S.R.], Moscow, vol. 16, no. 1, Jan. 1967.

Table of contents translated:
Votkevich, N. - "The sixth of July." pp. 3, 35.
Ukhalov, I. - "Following Louis's line." p. 5.
Pitashko, L. - The world of ancient beauty. p. 8.
Props and authenticity; an interview with Sergei Zakariadze. p. 12.
Khranov, V. - What is a producer? pp. 15, 38.
A sketch about the actor and the microphone, an interview with Mikhail Uf'antov. p. 17.
Khataevich, L. - The principle of publicity. p. 20.
Izbit Vzhior. - Where does the long road lead... p. 22.

A New Year's picture story from Ostankino television station. p. 24.

Gutukhovskaya, L. - Documentary nature of television dramas. p. 26.

Vasil'ova, K. - A leader... Yes or no? p. 32.
Istomina, G. - Half a century of youth. p. 36
Variations on the subject "Little Red Riding Hood." p. 40.

Lubovetov, D. - The strategy of "dittato" diversions. p. 42.

Miflov, Arthur. - My grandfather and the Statue of Liberty, a radio play. p. 44.

Vol. 16, no. 2, Feb. 1967.

Table of contents translated:
Semenov, I. - Reflections, some arguments, and even dreams. p. 2.
Eromeev, N. - Starting a big discussion. p. 5.
Allanskii, I. - The sitcom bus. p. 10.
Ten questions to Igor' Il'inski. p. 14.
Syobodin, A. - Does a television actor exist? pp. 10, 38
Il'in, R. - How to photograph telefilms? (to be continued). p. 19.
Akopina, S. - How to broaden geography? p. 23.
Rybasova, T. - Forgotten truths. p. 25.
Sposobnikov, L. - Commentaries. p. 28.
Medvedenko, D. - Not just memories... p. 32.
Boiko, V. - The effect of participation. p. 34.
Panzlov, A. - A work spoken is past recalling. p. 37.
Nasin, A. - Radio in Turkish; a humorous story. p. 38.
Golovanov, V. - A lion with the voice of a mouse. p. 40.
Lawrence, J., Lee, R. - In the head of a boy. p. 44.

Vol. 16, no. 3, Mar. 1967.

Table of contents translated:
Creative everyday life of the Sverdlovsk committee. p. 1.
Iurii German. - A knight of the revolution. p. 4.
Polonskii, M. - A right to conventionality. p. 10.
Votobaeva, T. - The secret of longevity. p. 14.
The First All-Union Television Festival. p. 18.
Discussions at intervals. p. 19.
Klado, N. - Provoked by love. p. 22.
Kiperman, M. - This is something to think about. p. 26.
Konovalova, V. - Good night, children! p. 28.
Levin, I. - "02" on the screen. p. 30.
Radio chronicle of 1919. p. 31.
Fedinskii, I. - A heart devoted to the people. p. 32.
Stoliarov, N. - Our personal correspondent. p. 35.
Panzlov, A. - A work spoken is past recalling. p. 36.
From newspapers and periodicals of America. p. 38.
Diligent, A. - Television, is it progress or decline? (to be continued). p. 40.
Garis, R. - The inn (to be continued); a television play. p. 43.

Vol. 16, no. 4, Apr. 1967

Table of contents translated:
Greshov, G. - 50 Soviet years. p. 1.
Stal'kov, Dm. - Tell us about the times and yourself. p. 4.
Aishutov, Al. - A romanticist? p. 8.
Barnankulov, - The document and art. p. 14.
Ter-Ovanesian, K. - The announcer or the actor? p. 17.
Il'in, R. - How to film telefilms? p. 18.
Zolotarevskii, L. - Alpha and omega of "live" television. p. 20.
Tret'iakov, A. - About the wolf, the goat, the cabbage, and... the program. p. 22.
Abdulova-Metel'skaia, E. - Alive with the living (to be continued). p. 26.
Kogan, L., Gaponseva, A., Tomilin, G. - Alliance of two screens. p. 32.
Zubkov, G. - Gyorgy Szepesi. p. 36.
Golovanov, V. - Green berets and red blood. p. 39.
Garis, R. - The inn (to be continued). p. 41.
Diligent, A. - Television, family, and children. p. 46.

Vol. 16, no. 5, May 1967.

Table of contents translated:
Gubanov, V. - The audience is not limited... p. 4.
Bogolavenskii, R. - Secrets of transformation. p. 6.
The present and the future of the "glant"; an interview with Sergei Sergeevich Smirnov. p. 10.
Smirnov, L. - Documentary art (to be continued). p. 13.
Peiroto, A. - New role of music. p. 10.
Pressman, L. - Thoughts at the school threshold. p. 20.
Korshakov, D. - The art of vision. p. 23.
Abdulova-Metel'skaia, E. - Alive with the living (continued). p. 26.
Kurbatov, I. - The unusual in the usual. p. 30.
Ukhalov, I. - I am for a "television piggy bank." p. 34.
Kokoshin, P. - We need constant experiments. p. 36.
Zakharov, A. - Words not as yet uttered. p. 36.
Theater without makeup and decorations; an interview with Edward Placzek, Chief Producer of the Polish Radio. p. 40.
Diligent, A. - TV and education. p. 44.
Garis, R. - The inn (conclusion). p. 46.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Gosudarstvennyi komitet Sovetskikh Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures], Moscow, vol. 11, no. 4, Apr. 1967.

Table of contents translated:
Komar, V.G., Bolianskii, A.G., Novik, F.S. - Variocamorphic optics for variocopic cinematography. p. 3.
Braginskii, G.I., Volynskii, N.I., Mordkilevich, A.M. - Plasticification of acetylcellulose base of a film. p. 14.
Indlin, I. A. - Features of resounding using mechanical reverberators. p. 10.
Gotovina, A.D. - A new motion picture photography style. p. 24.
Samolov, V.F. - New deflection system for a transistorized line scanning circuit. p. 26.
Gorshkov, A.E., Mikhailov-Toplov, N.N. - Effect of TV channel and camera on image uniformity. p. 30.
Khromov, L.I., Resin, V.I. - Calculation of pulse resolving power of television apparatus. p. 34.
Krotsov, V.L., Derkovskaya, K.F. - Scanner, a new photoelectric converter. p. 40.
Kondrat'ov, A.G., Lukin, M.I. - Television in the study of underground objects. p. 46.
Mel'nikov, V.N., and others. - Resolving power of variable focus lenses for 8 mm. cameras. p. 50.
Donshteyn, N.D. - Film sizes. p. 57.
Ritsov, I. - D.G. Luarsabishvili and E.F. Nepomniashchii's Remarks on article "Determination of the friction coefficient of magnetic tapes." p. 68.
Luarsabishvili, D.G., Nepomniashchii, E.F. - Reply to I. Ritsov. p. 68.
Trogubov, A.I. - UKA-T-58 duplicator operating with edge notches on image negative. p. 70.
Radikainen, I.A.M. - Automatic regulation of nonlinearity in a television channel. p. 73.
Sidorkin, N.A. - Television apparatus for studying pit holes. p. 78.
Reference section. p. 81.
Conference of a study group (television) of the Third Technical Commission of the OIRT. p. 90.
Conference on problems of definition and granularity of motion picture film. p. 92.

Vol. 11, no. 5, May 1967.

Table of contents translated:
Varbanskii, A.M. - Development of the television transmission network. p. 3.
Kuperman, A.I., Tarasenko, L.G. - Continuous film holder. p. 6.
Ishukin, I.M. - Measuring distortions in the signal recording systems. p. 18.

Orlov, I.U.M. - Unit for the reduction of noise in sound tracks. p. 25.
Gross, L.G., and others. - Neutralization of static electricity charges during the production of motion-picture films. p. 30.
Vasil'eva, I.A., Matveeva, A.G., Men'kova, E.S. - High-quality LI-213 superorthicon. p. 39.
Kalkukhin, V.E., Khipchikov, V.M. - Video amplifier with a combined correction. p. 43.
Belobragina, L.S., Eliseev, V.K. - Photoelectrical calculation of the photoelectric converter with a scanning beam. p. 46.
Korneevets, K.S., Vasil'eva, A.D., Karitskaia, I.K. - Television test signal generator. p. 48.
Luk'inchenko, I.A., Saf'ian, D.A. - Improving the performance of synchronous generators. p. 51.
Arbuznikov, V.A., Bel'dugin, V.N. - Parametric video amplifiers. p. 57.
Baranov, G.S., Kluevskaya, E.I. - Study of the shape of characteristic curves of motion-picture photographic materials. p. 61.
Seventh Session of the General Assembly of the International Organization of Standardization in Moscow. p. 66.
Bernshein, N.D., and others. - Program of the 8th meeting of the International Organization of Standardization. p. 67.
Uf'antov, V.N. - High-speed commutating device using transistors. p. 74.
Gusikova, E.R., Senko, V.N. - PK-4 panel for filming. p. 78.
Silav, V.A. - Diagram for switching in the electric motor of the KPT-1 motion-picture projector. p. 80.
Lukachev, V.G. - Combined motion-picture and television studio. p. 81.
Equipment for the control and photoelectric processing of 16-mm films. p. 84.
Filming and projection of motion pictures. p. 86.
Recording and reproducing of sound. p. 90.
Motion-picture film and its photographic processing. p. 92.
In the Technical Council of the Committee on Motion Pictures. p. 93.
60th birthday of G.A. Sate. p. 96.

b. MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soluz kompozitorov SSSR i Ministerstva kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.], Moscow, vol. 10, no. 11(229), June 1967.

VOPROSY VOKAL'NOI PEDAGOGIKI [PROBLEMS IN VOCAL PEDAGOGY]. Moscow, no. 3, 1967

c. THEATER

KLUB I KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Sotuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 16, no. 10, May 1967.

NA DOPOMOGU KHUDOZHNI SAMODIATEL'NOSTI, i ekspertnyi zbirnyk [A GUIDE FOR ART AMATEURS; Repertorial Collection]. Kiev, nos. 2(68)-3(69), Feb.-Mar. 1967.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstva kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, vol. 10, no. 12(214), June 1967

10. FINE ARTS

a. GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.]. Issued by Soluz khudozhestvennogo SSSR [Association of Artists of the U.S.S.R.], Moscow, vol. 11, nos. 4(113)-5(114), 1967.

ISKUSSTVO AZERBAIDZHANA [THE ART OF AZERBAIJAN]. Issued by Institut arkhitektury i iskusstva Akademii nauk Azerbaidzhanekoi SSR [Institute of Architecture and Art of the Academy of Sciences of the Azerbaijan S.S.R.], Baku, no. 9, 1963.

Table of contents translated:
Kaziev, A.I. - Medieval calligraphy and khattals of Azerbaijan. p. 5.
Gabilov, N.D. - The role of Russian Soviet art in the development of Azerbaijani Soviet painting. p. 45.
Miklashevskaya, N.M. - Development of Azerbaijani still-life painting. p. 86.
Abdullaeva, N.A. - Topical rugs of Azerbaijan. p. 135.
Asadova, S.D. - Creative work of Aga Mirza, a skilled Azerbaijani jeweler. p. 65.

SOVETSKOE FOTO [SOVIET PHOTO]. Issued by Soluz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.] Moscow, no. 6, June 1967.

TVOZHESTVO [CREATIVE WORK]. Issued by Soluz zhurnalistov SSSR [Association of Artists of the U.S.S.R.] Moscow, nos 5(125)-6(126), 1967

II LANGUAGE, LITERATURE & FOLKLORE

A LANGUAGE

GORKIY, GOSUDARSTVENNIY PEDAGOGICHESKIY INSTITUT INOSTRANNYKH YAZYKOV, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES, Studies], No. 27, 1966.

Table of contents translated:

- Proshkina, E. P. - Free form of indirect speech and its stylistic function in Dickens' novels, p. 5
 Pikel, M. M. - Conditions manifesting connotative meaning of the imperative, p. 23.
 Voronov, A. L. - Grammatical analogy and the double forms of plural nouns in the history of the German language, p. 43.
 Domashnov, A. I. - Austrian controversy around the concepts of the "Austrian language", the "Austrian nation" and the "Austrian government", p. 62.
 Irozentsev, L. M. - The capacity of stability and mobility of phrases and the concentration of lexical-morphological content in sentences: based on the materials of contemporary German, p. 77.
 Irozentseva, G. I. - Some cases of neutralization of grammatical meanings in contemporary German, p. 86.
 Arnatovskaya, V. E. - Problems of the integral parts of the grammar and its relationship to style, p. 90.
 Kol, L. O. - Some syntactic characteristics of verbal phrases with an objective link of components in the contemporary French language, p. 105.
 Kol, L. O. - Model verbal constructions in the contemporary French language, p. 113.
 Vasimovich, R. A. - Special style of light and color characteristics in the works of the brothers Edmond and Jules Goncourt, based on the material of "Manette Solomon", p. 121.
 Epizhinova, O. S. - Stylistic usage of Latinisms in the book "Gargantua and Pantagruel" by Francois Rabelais, p. 129.
 Kaspranskiy, R. R. - Interrelation of the morphological and phonological levels, p. 141.

No 28, 1966.

Table of contents translated:

- Mukheev, E. L. - Marxist-Leninist principles of the unity of the revolutionary theory and revolutionary practice, p. 3.
 Stepanov, A. S., Mikhailov, N. I. - Levels and mechanisms of generalization, p. 22.
 Chesnokov, G. D. - Metaphysical interpretation of the problem of freedom and necessity in the modern bourgeois philosophy, p. 27.
 Shalpin, P. I. - Peasant economy of the Central Industrial Region on the eve of the First World War, p. 35.
 Bormotov, F. M. - Origin and development of the Stakhanov movement in the industry of Gorkiy Province, p. 74.
 Bo'shakov, I. I. - Disseminating the achievements of production innovators, p. 94.
 Altmasov, A. K. - Increasing the role of machine operators on collective farms, p. 116.
 Fedorov, A. N. - The work process and the workday, p. 138.
 Postnikov, E. S. - Accounting for the expenditure of past labor in computing labor productivity, p. 155.
 Lebedeva, I. L. - Attitude of Baptism toward woman, p. 169.
 Lebedeva, I. L. - Basic reasons of religious survivals among women, p. 186.

INOSTRANNYE YAZYKI V VYSSHEI SHKOLE [FOREIGN LANGUAGES IN THE SCHOOLS FOR HIGHER EDUCATION] Issued by Nauchno-metodicheskii sovet po inostrannym yazykam pri Uchebno-metodicheskoy upravlenii po uzam Ministerstva vysshego i srednego spetsial'nogo obrazovaniya SSSR [Scientific Methodological Council on Foreign Languages, Attached to the Administration of Educational Methods for Institutions of Higher Education of the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.] Moscow, no. 3, 1968.

MOSCOW UNIVERSITET Vestnik, Seriya 10: Filologiya [UNIVERSITY Review, Series 10: Philology], Vol. 22, no. 3, May-June 1967.

Table of contents translated:

- Elov, V. I. - Methods of psychological analysis in the novel "Crime and Punishment", on the 100th anniversary of the novel's publication, p. 3.
 Pustolov, P. G. - Aesthetic views of A. F. Pisemskiy in the 1850's and 1860's, p. 14.

Kanyina, A. A. - Syntactic linkage of the prepositional case and the preposition "v" in the structure of phrases, the problem of government, p. 26.
 Shuliko, I. S. - Several changes in the verbal structure of the Old Czech language; based on materials of the monuments of the late 18th and early 19th centuries, p. 36.

- Novikova, A. S. - Some characteristics of "Savva's book" in the field of the usage of cases, p. 47.
 Grigor'eva, S. A. - Sociolinguistic aspect and stylistic character of vocabulary, p. 60.
 Koporskiy, S. A. - History of personal names in the Old Czech and other Slavic languages, p. 64.
 Budagov, R. A. - Two remarks on the proposed "Russian Dictionary", p. 73.
 Gepner, I. U. R. - "Modern Russian," Part II Morphology, syntax, p. 77.
 Tsybenko, E. Z. - The anniversary of Henryk Sienkiewicz in Poland, p. 84.
 Gudkov, V. P. - I. I. Tolstoy's birthday, p. 88.
 Zaonegin, E. - The philology department in preparation for the 50th anniversary of the October Revolution, p. 90.
 Esahnek, A. - The origin of socialist realism; based on the methodological seminar, the history of the literature section, p. 92.
 Posylanskaya, A. S. - Doctoral dissertation on the Czech language, p. 96.
 Evseva, L. - Doctoral dissertation on American literature of the 20th century, p. 98.
 Smilnov, A. - The anniversary of N. M. Karamzin, p. 99.

NOVAYA INOSTRANNAIA LITERATURA PO YAZYKOVOY ZNANIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no. 5, 1967.

NOVAYA SOVETSKAYA LITERATURA PO YAZYKOVOY ZNANIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no. 5, 1967.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Nauchnye i vysshe shkoly, filologicheskie nauki [Ministry of Higher and Secondary Specialized Education, Higher Schools of Higher Education; Philological Sciences] Moscow, vol. 10, no. 3(39), 1967.

Table of contents translated:

- Elzhulas, J. - The Latvian symphonies in contemporary Russian and Lithuanian, p. 3.
 Pirogova, N. K. - Standards and variations of the content; based on verb materials, p. 11.
 Rasputov, I. P. - Characteristics of compounds of simple sentences in contemporary Russian, p. 23.
 Makovskiy, M. M. - "Lexical" explication of a dichotomy in the Germanic languages, p. 31.
 Tiolanskaya, E. S. - Selection of language materials for statistical processing, p. 41.
 Baeviskiy, V. S. - Numerical meanings of the intensity of syllables in the alternating rhythm of verse, p. 50.
 Gorbanov, N. A. - "Enemies" by M. Gorkiy in the realization of G. V. Plekhanov, p. 60.
 Glukhov, V. I. - Gogol' as a satirist and the folk tale, p. 66.
 Kantorovich, I. B. - B. Shaw and the modern Soviet drama, p. 70.
 Isakov, A. V. - Problem of phonological authenticity, p. 89.
 Turaev, S. V. - Historical lesson of the enlightenment, p. 97.
 Vertsman, I. E. - Problem of enlightened realism, p. 107.
 V. K. Klukhobeker, the publisher of the magazine "Nevskiy zritel'" January-April 1920, p. 111.
 Myl'shyn, I. V., Tolstaya, A. V. - A. S. Gila in exile in Archangel, p. 114.
 Kulbas, D. G. - Experience in the usage of practical studies in the "History of Russian literature of 19th century" course in the pedagogical institute, p. 120.
 Tsybina, E. - A symposium on theoretical problems of Oriental literature, p. 140.
 Vakhrichenko, I. - The First Interuniversity Conference on Literary Relations of the Peoples of the U.S.S.R., p. 142.
 Academician Ivan Ivanovich Meshcheryakov, 1833-1887, p. 143.

SOVETSKOE FINNO-UGROVEDENIE. SOVIET FINNO-UGRIC STUDIES. Issued by Akademika nauk Eston'skoi SSR [Academy of Sciences of the Estonian S.S.R.], Tallinn, vol. 3, no. 2, 1967.

UKRAINSKA MOVA I LITERATURA V SHKOLII [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS]. Issued by Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.], Kiev, vol. 17, no. 6, June 1967.

VOPROSY IAZYKOZNANIA [PROBLEMS OF LINGUISTICS], Issued by Institut Iazykoznania Akademii nauk SSSR [Institute of Linguistics of the Academy of Sciences of the U. S. S. R.], Moscow, no. 3, May-June 1967

- Table of contents translated:
 Meshchaniy, I. I. - Immediate constituency in different syntactic systems, p. 3.
 Zhitomirskii, V. M. - In memory of Academician I. I. Meshchaniy, p. 18.
 Filin, F. P. - Some problems of Slavic ethno- and glottogenesis, p. 18.
 Melsirik, J. - Mathematical and statistical methods in stylistics, p. 42.
 Galdi, L. - The poet's personality and the technique of versification, p. 53.
 Gasparov, M. L. - The tangle and trochaic verse of Soviet poets and the evolution of Russian verse, p. 59.
 Klimov, G. A. - State of the deciphering of Agvan (Caucasian Albanian) writing, p. 68.
 Tarlinskaya, M. G. - The accent features of English syllabo-tonic verse, p. 81.
 Serkova, N. I. - Functional perspective of the sentence in terms of the "superphrase units," p. 92.
 Veikhsman, G. A. - Bilingual nonverbal sentences, p. 101.
 Samsonov, N. G., Stepirov, P. A., Cherosov, M. A. - Linguistics in Yakutia, p. 128.

VOPROSY KUL'TURY RECH' [PROBLEMS IN SPEECH CULTURE], Issued by Institut Russkogo Iazyka Akademii nauk SSSR [Institute of the Russian Language of the Academy of Sciences of the U. S. S. R.], Moscow, no. 8, 1967.

- Table of contents translated:
 Leont'ev, A. A. - The future of language as the problem of the culture of speech, p. 7.
 Kostomarov, V. G. - Stylistic "merging" in newspaper language, p. 10.
 Peirisheleva, E. F. - Problem of the criteria of non-mativeness, p. 34.
 Kalakutskaia, L. P., Shitman, V. E. - Some problems of pronunciation and accentuation of borrowed last names, p. 41.
 Pen'kovskii, A. B. - Some laws of mastering the orthographic norms, the plosive "g" and the filialive "y," p. 61.
 Es'kova, N. A. - Inadequacy of the established rule of using the so-called letter "h," p. 73.
 Makarova, R. V. - Approaching the orthographic reform of 1917-1918, p. 85.
 Khokhacheva, V. N. - Formation of original words in the poem "The Bratsk Hydroelectric Power Station" by Evg. Evushenko, p. 102.
 Mikhailovskaya, N. G. - The variability category: nouns ending in -te/-e in the language of B. Pasternak, p. 113.
 Petushkov, V. P. - Word culture and writers, p. 127.
 Kiseleva, N. M. - Against unjustified restrictions in the usage of conjunctions, p. 143.
 Es'kova, N. A. - The ritual of paring or an act of desertion, p. 150.
 Gornung, B. V. - Possibility of different interpretations of popular expressions, p. 157.
 Pant'lov, A. K. - Phrases of the type "teti' strelol," p. 163.
 Shvartskey, B. S. - The idiom "sbrost' so schetov" and its variants, p. 169.
 Molotkov, A. I. - The word "shivoroit" in literary language, p. 175.
 Vosel'skii, V. V. - "Chelovek s pontalom," p. 182.
 Knevezskaya, G. A. - "Polaki" or "polsk," p. 187.
 Follitsyna, V. P. - "Start" and "finis," p. 194.
 Vomperskii, V. P. - The word "amplua" in modern Russian, p. 200.
 Kostomarov, V. G. - "Esknalsia," p. 208.
 Kostomarov, V. G. - "Tch-in," p. 215.
 Makal'mova, L. K. - The new term "avlorall," p. 219.
 Golanova, E. I. - "Porolon," p. 224.
 Bragina, A. A. - "Shanson'e, mensesrol' bard," p. 228.
 Vishniakova, O. V. - Paronymous words and the culture of language, p. 234.
 Ianka-Trinitakaya, N. A. - Both "uvazhaomyi..." and "uvazhaemaya..." p. 240.
 Zolotova, G. A. - Converting the preposition "po" into, p. 244.
 Alekseev, D. I., Skoblikova, E. S. - Language culture as a scientific discipline, p. 249.
 Karpov, K. B. - Orthography of the German language, p. 252.

b. LITERATURE & FOLKLORE

AKADEMIA NAUK SSSR, Izvestia, Seria literaturny i iazyka [ACADEMY OF SCIENCES OF THE U. S. S. R. Bulletin. Series in Literature and Language], Moscow, vol. 26, no. 1, Jan. - Feb. 1967.

- Table of contents translated:
 Brailina, B. I. A. - Humanness of the new world; the novels of Konstantin Fedin, p. 3.

- Zhitomirskii, B. M. - About the theory of Soviet linguistics, p. 13.
 Polonskaya, K. - A forgotten episode of ideological struggle in the sixties, Chernyshevskii and Prudhon, p. 28.
 Elitzavina, G. G. - Russian memorialistic and autobiographical literature of the 18th century and A. L. Herzen, p. 40.
 Khrenova, N. I. - Selection of the inflection 'u' in the genitive and locative cases in singular masculine nouns, p. 52.
 Fevral'skii, A. - Foreign comments on "Myslery Douffe", 1918-1927, p. 58.
 Kur'min, A. I. - Accounts of the Northern War as a monument of literature, p. 64.
 Bahamov, F. R. - Basic differences between analytical verbs and fixed verbal combinations, p. 69.
 Kuncel, L. - Discussion of the work of the Institutes of Literature and Language of the Azerbaijan and Armenian Academies of Science, p. 90.
 Klimov, G. A. - Work in the field of structural and mathematical linguistics in Moscow and Leningrad, p. 92.
 Sokhalskii, I. U. G. - Conference on the question of preparation of the All-Slavic Linguistic Atlas, p. 95.
 Discussion of the prospectus of the new "Grammar," p. 95.
 In memory of Aleksandr Mikhailovich Egolov, p. 90.
 B. M. Elchenbaum, 1886-1959, for the 80th anniversary of his birth, p. 99.
 L. Z. Zaitai, 1894-1966, p. 101.
 V. T. Topuria; obituary, p. 101.

Vol. 20, no. 2, Mar. - Apr. 1967.

- Table of contents translated:
 Efberg, I. A. - Lenin's heritage, cognition of the revolutionary development of reality, and literature, p. 105.
 Reizov, B. - Victor Hugo, Pierre Leroux, and the "symbolist style," p. 113.
 Malevich, A. A. - Arin Lundkvist, the novelist, p. 121.
 Dolza, Igor. - Some results of the "Danle Yen" (1965) in the Slavic countries, p. 132.
 Eremina, V. E. - The metaphorical epithet, from the poetics of folklore, p. 144.
 Basakov, N. A. - Structural and functional stylistic modifications in contemporary Turkic languages, p. 153.
 Gurvich-Lishchiner, S. - The last letter of N. P. Ogarev to A. I. Herzen, p. 162.
 Vasilevskaya, I. A. - Methodology of the study of borrowing, Russian lexicographical practice in the 18th century, p. 165.
 Sazonova, S. S. - The conference "Current Problems of Socialist Realism," p. 181.
 Trushchenko, E. Discussion of the new school textbooks on literature, p. 186.
 Ivanova, E., Molchanova, E. - The discussion "Language and Society," p. 188.
 Stepanov, V. - Meeting of the Commission on the History of Philological Science, p. 192.
 Ashabi, F. D. - The 11th Turkish Linguistics Congress, p. 193.
 Ritschik, I. U. I. - The Dante Commission of the Academy of Sciences of the U. S. S. R., p. 199.

BAIGAL [BAIKAL], Ulan-Ude, no. 2, 1967 [In Buryat]

DAI'NII VOSTOK [FAR EAST], Organ of Khabarovskoe otdelenie Soluz pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R. S. F. S. R.], Khabarovsk, vol. 35, no. 3, May-June 1967.

DETSKAIA LITERATURA [CHILDREN'S LITERATURE], Issued by Komitet po pechatu pri Sovete Ministrov RSFSR and Soluz pisatelei RSFSR [Committee for Printing, Attached to the Council of Ministers of the R. S. F. S. R., and the Association of Writers of the R. S. F. S. R.], Moscow, vol. 2, no. 6, 1967.

DNIPRO [DNIÉPER], Organ of Tsentral'nyi komitet Leninsk'ogo komunisticheskogo soluzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine], Kiev, vol. 41, no. 6, June 1967.

DON, Organ of Soluz pisatelei RSFSR and Rostovskoe otdelenie Soluz pisatelei [Association of Writers of the R. S. F. S. R. and the Rostov Branch of the Association of Writers], Rostov-on-Don, vol. 11, no. 5, May 1967.

KAROOS [THE BANNER], Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Soviet Latvia], Riga, no. 7, 1967, [In Latvian]

KHOTUGU SULUS [STAR OF THE NORTH], Yakutsk, no. 3, 1967, [In Yakut]

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS], Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.], Moscow, vol. 28, no. 3, May-June 1967.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN], Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan], Baku, vol. 25, no. 6, June 1967.

LOOMING [CREATIVE WORK], Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S. S. R.], Tallinn, no. 6, June 1967 [In Estonian]

MOLOT [HAMMER], Organ of the Association of Writers of the Udmurt A. S. R. Izhevsk, vol. 42, nos. 5-6, May-June 1967. [In Udmurt]

MOSKVA [MOSCOW], Organ of Soluz pisatelei RSFSR and Moskovskoe otdelenie Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R. and the Moscow Branch of the Association of Writers of the R. S. F. S. R.], Moscow, vol. 11, no. 6, 1967.

NASH SOVREMENNIK [OUR CONTEMPORARY], Organ of Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.], Moscow, no. 6, June 1967.

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE], Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.] and others, Moscow, no. 5, 1967.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE], Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.], Moscow, no. 5, 1967.

NOVYI ZHURNAL. THE NEW REVIEW. New York, vol. 26, no. 87, 1967.

OKTIABR' [OCTOBER], Organ of Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.], Moscow, vol. 44, no. 2, Feb. 1967.

- Table of contents translated:
 Savilev, Ivan - The bond of time, verse, p. 3.
 Gorchakov, M. - The record in the pink file, a tale, p. 5.
 Kuznetsov, Valentin - Forest and steppe; verse, p. 89.
 North and South are one, Vietnamese folk song, p. 93.
 To Hun - Parting words, Lghis; verse, p. 93.
 Kunene, Mazisi - Song about Vietnam; verse, p. 94.
 Maksimov, Vladimir - Cross over the line; a tale, p. 95.
 Polikarpov, Sergei - The day's din, verse, p. 135.
 Luk'ianov, Lev - Thousand and one bombs; a pamphlet (to be concluded), p. 137.
 Zlabrev, Anatoli - Siberia is salubrious, p. 155.
 Filimonov, N. A. - The great watershed (to be concluded), p. 159.
 Sokolov, A. - The fine truth; on the 100th anniversary of the birth of V. V. Veresaev, p. 160.
 Frolov, V. - Who needs this? p. 191.
 Vasil'ev, N. - If I were the minister... p. 193.
 Dymshila, Al - Postscript, p. 194.
 Shoshin, Vladimir - Poetry and truth, p. 196.
 Reznik, O. - The drama of 11'4 Sel'vinskii, p. 197.
 Skolobey, Eduard - The road of Tanabal, p. 210.
 Volgin, Igor - Radiating the light of love, p. 213.
 Viskulov, Sergei - About a certain "direction" in poetry, p. 216.

Vol. 44, no. 3, Mar. 1967.

- Table of contents translated:
 Babaevskii, Somen - Wide world, a novel, p. 3.
 Kazakova, Rimma - The Baltics, The snowman, Mishka, The voice; verse, p. 112.
 Serubriakova, Galina - Under the red star, p. 117.
 Rumianiseva, Marila - Winter lodging, verse, p. 130.
 Luk'ianov, Lev - Thousand and one bombs; a pamphlet, p. 131.
 Kartashov, N. - The Bakal paradox, p. 164.
 Filimonov, N. A. - The great watershed, p. 175.
 Zakharov, S. - The last road of the last czar, p. 203.
 Linnus, Olavi - Baku, Shemakha and an unforgettable encounter, p. 205.
 Musin, F. - In the memory of the people, p. 207.
 Astrov, V. - Devoted to the community, p. 208.
 Fifty years in the party, p. 209.
 Shepelev, Valentin - Windfilled sails, p. 210.
 Koz'min, M. - To your own self to be true, p. 213.
 Kucherenko, G. - Let us take a more objective look, p. 216.

[illegible][illegible]

1. All [THE VICTORY] Organized List of TSR
2. [Acquisition of Writers of the
3. [S. R.] V. 1.1, nos 6-7, 1967 [In
4. []]

FOOTBALLAYA ZVEZDA [THE NORTH STAR] Organ of
Soviet Football Teachers Union [Association of
Football Teachers] Yakut-k, no 3, May-June 1967

FOI 1514 [F1 AMF] Organ of Saluz pis'mennitau BSSR
[A. nat. 1 f Writers of the White Russian S. S. R.]
M. , vol 44, no 6459), June 1967

FRATON Literaturni i kul'nozhnii ta hromads'ko-politych-
eskiy tsentral [PAV'NER, Literary and Sociopolitical
Magazine] Issued by Spilka pyss'mennyyk, Ukrainy
[Association of Writers of the Ukraine] Kharkov,
3, 12-1

FRONTIER [WIDE OPEN SPACES] Issued by Soluz pl-
 111 Kuznetskaya [Association of Writers of
 Kazakhstan] Alma-Ata, vol 34, no 6, June 1967.

RADUGA [THE RAINBOW]. Organ of Pravlenie Soluzi
1. Pribli Ukrainy [Administration of the Association
of Writers of the Ukraine] Kiev, vol 17, no 7,
Jul, 1957.

4. KAFER [THE NORTH] Issued by Soluz pisatelei Karelii A.S.S.R. and Arkhangel'skoe i Vologodskoe otzheniia S. Iuzia pisatelei RSFSR [Association of Writers of the Karelian A. S. S. R. and the Archangel and Vologda Provinces of the Association of Writers of the R. S. F. S. R.] Petrozavodsk, vol 28, no. 3, May, June 1957

“YAPKIRILDI” (STAR OF THE EAST) Organ of the
Association of Soviet Writers of Uzbekistan. Tash-
kent, no. 35, pp. 5-6, 1967. [In Uzbek]

PIPERKIP OGNI [SIDERIAN LIGHTS] Organ of Soluz
[Russian] RSFR and Novosibirskoe otdelenie Soluza
[Russian] [Association of Writers of the R S F S R
[Russian] Novosibirsk Branch of the Association of
Writers] Novosibirsk, vol 42, no 6, 1967.

REFR [Sverdlovsk Branch of the Association of
writers of the R S F S R] Sverdlovsk, vol 10,
1943, Apr-May 1967.

VITYCHYNA [OUR COUNTRY]. Organ of Spilka pys'men-
tsev Ukrainy [Association of Writers of the Ukraine]
Kiev, v. 1.35, no 7, July 1987

VONYV KODZUV [NORTHERN STAR] Organ of Soluz
pisatelei Komit ASSR [Association of Writers of the
Komi A S S R] Syktyvkar, no 6, June 1967.
[in Komi]

VOLGA Organ of Pravlenie Soluzh pisatelei RSFSR and Saratovskoe otdeleniye Soluzh pisatelei RSFSR [Administration of the Association of Writers of the R S F S R and the Saratov Branch of the Association of Writers of the R. S. F. S. R.] Saratov, vol. 2, nos. 3, 6, Mar., June 1967.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykiv
Ukrainy [Association of Writers of the Ukraine].
Lvov, no 6, 1967.

ZVEZDA [THE STAR]. Organ of Sojuz pisatelei SSSR
[Association of Writers of the U.S.S.R.]. Leningrad,
no. 4, Apr. 1967.

Table of contents translated:

Kholopov, Georgii - 'Welcome! Tervetuloa! p. 3.
Larri, Martti - Literature knows no frontiers. p. 4.
Laitinen, Kai - Contemporary literature and literature in Finland p. 6.
Huovinen, Velkko - The thinker from Havukka-aho; a tale [Translated from the Finnish] p. 12.
Pernanen, Eila - That's the way we are, p. 91.
Poets of Finland Kajava, Vilho and others, [Translated from the Finnish and Swedish] p. 94.
Rintala, Paavo - Happiness. [Translated from the Finnish] p. 103
Jokinen, Allan - The riddle. [Translated from the Finnish] p. 105
Palohelimo, Oiva - The kite. [Translated from the Finnish] p. 110
Larri, Martti - The boy. [Translated from the Finnish] p. 112
Halli, Matti - Through Scandinavia in search of a shirt. [Translated from the Finnish] p. 117.
Mikkola, Marja-Lena - Jessica Bond and Mrs. Goldfinger. [Translated from the Finnish] p. 121
Waltari, Mika - Diary of a writer. [Translated from the Finnish] p. 122.
Shchter, Vadim - The man with the five 'hot's', or, Confessions of a simple soul. A tale. p. 124.
Dzhamil', Adhemed - 'Twenty-six, verse. [Translated from the Azerbaijani]. p. 179
Ushakov, Nik. - From the book "Theodolite", verse. p. 181
Fursenko, A. - The Rockefellerers (conclusion). p. 183.
Admiral'skii, A. I., Belov, S. - V. I. Lenin's first publisher [among the book treasures of P. P. Solokin]. p. 186.
Gennin, L. - Anna Akhmatova and czarist censorship. p. 203
Akinov, V. - The living principles of socialist realism. p. 205.

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soluz pisatelei Uzbekistana [Association of Writers of Uzbekistan] Tashkent, vol. 35, no. 8, 1967.

12. GEOGRAPHY & GEOLOGY

* ETHNOLOGY

NARODNA TVORCHIST' TA ETNOGRAFIYA [FOLK ART AND ETHNOGRAPHY]. Issued by Institut myslsetslivnauznavstva, fo't'kloru ta etnografii Akademii nauk URSR and Ministerstvo kul'tury Ukraïns'koï RSR [Institute of Fine Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S. S. R. and the Ministry of Culture of the Ukrainian S. S. R.]. Kiev, vol. 8, no. 6, Nov. - Dec. 1964

Table of contents translated:
Eight days of the Moscow International Forum of
Scientists, p. 3.
Tolstov, S. P. - In the name of man, p. 8.
Vallote, Henri. - We have a common goal, p. 13.
Huslystyi, K. H., Zlyneh, V. T. - Results and
problems in the field of ethnography, p. 16.
Diachenko, V. D., Zinevych, H. P. - Important
problems of anthropology, p. 23.
Brezova'yki, I. P. - Observation of a folklore student,
p. 27.
Hrytsa, S. I. - At the Folk Music Section, p. 30.
Kostiuk, I. U. H. - Problems of the folk theater,
p. 31.
Humentuk, A. I. - Urgent problems of choreography,
p. 33.
Butnyk-Shkera'yki, B. S. - Discussion at the Section
of Folk Art, p. 35.
Kelembetova, V. I. U. - The Section of Religious
Faiths and Mythology, p. 39.
Bibikov, S. M. - Notes of an archaeologist, p. 41.
Tsilukko, K. K. - Language and problems of
ethnogeny, p. 45.
Spinal'ev, V. H. - Motion pictures in the service of
science, p. 48.
Vasilenko, Z. I. - An outstanding theoretician of
musical folklore, p. 49.

Man, fighter, creator: on the centenary of P. A.
Hrabovskiy's birth, p. 55.
Dmitrienko, M. F., - Sonnyk, L. A. - Present-day
festas in Donetsk region, p. 63.
Muslenko, P. N. - The Poltava carver Proklop
Iukhymenko, p. 67.
Folk songs for choirs arranged by M. I. Verbits'kyi,
p. 71.
Ovsei chuk, V. H. - Tales about Ostap Vyshtina,
p. 81.
Leschchenko, P. I. A., - I. A. F. Holovats'kyi's letters to
O. O. Potebnia, p. 84.
Shulyk, P. M. - The room "Present-day festas and
rites," p. 96.
Pazniak, M. M. - The songs of the green Bukovyna
p. 98.
Ryzhuk, D. S. - Select the truly popular, p. 100.
Ponits'kyi, A. I. A. - A conference on the problem
of folk culture of the population of the Carpathians,
p. 103.
Shumadyn, N. S. - The Seminar of Slavic Studies in
Sofia, p. 104.
Ridenko, M. A. - New-Year carols, p. 107.
Lysenko, M. V. - On the border of friendship,
p. 108.

4. GEOGRAPHY

AKADEMIYA NAUK SSSR, Izvestiya, Seriya Geograficheskaya
skladya [ACADEMY OF SCIENCES OF THE U. S. S. R.
Bulletin, Geographical Series], Moscow, no. 3,
May-June 1967.

Table of contents translated

Findik, N. G. - Geographical discoveries during the Soviet period, p. 5.

Zavriev, V. G. - Physiogeographical regionalization of the Democratic Republic of Vietnam, p. 17.

L'vov, I. U. A. - Palaeogeography of Cuba, p. 23.

Shubnikova, O. N. - Resources of the commercially hunted animals of Yakutia and their utilization, p. 43.

Varlamov, V. S. - Problems in developing the transportation system of the West Siberian Lowlands as related to the formation of a new national economic complex in its territory, p. 49.

Agranat, G. A. - Foreign achievements in the exploration of the north, p. 60.

Kool', L. V. - Diurnal, seasonal and yearly changes in the intertropical convergence zone over the Atlantic Ocean, p. 72.

Leon'ev, O. K., Iorgun, V. A., Luk'yanova, B. A. - Basic characteristics of the geomorphology of the continental coast of the Sakhalin Gulf, p. 79.

Litkhov, M. E. - Low-level jet stream as an important factor in the development of physical geographical processes, p. 86.

Struzer, L. R. - First results of correcting the errors of atmospheric precipitation in the territory of the U. S. S. R., p. 90.

Istrebch, E. V. - History of the name "Urals", p. 95.

Golubev, G. N., Tsigel'man, I. D. - Methodology of studying the feeding of rivers of the Leningrad Province, p. 103.

Aleksandrova, T. D. - Results of statistical study of the degree of the relationship of components in landscape studies, p. 108.

Kamanin, L. G. - Professor Stanislaw Lemkowicz as a scientist and founder of the scientific geographical school, p. 115.

Lango, K. O. - In the National Committee of Soviet Geographers, p. 119.

21st International Geographical Congress, p. 120.

Andronikov, V. L. - International survey of the interpretation of aerial photographic materials reflecting the occurrence of natural resources, p. 120.

Gerasimov, I. P. - A book on the outstanding physiogeographer and soil scientist Sergei Semenovskii Naumtsev, p. 124.

Pivovarov, I. U. L. - Recent trends in developing scientific problems in the population geography of the U. S. S. R., p. 129.

Granik, G. I. - Scientific conference on the development and distribution of productive forces in the northern regions of the European part of the U. S. S. R., p. 132.

Annenskaya, A. N., and others, - Second All-Union Conference on the Geography of the Population, p. 134.

Geller, S. I. U., and others, - Boris Leonidovich Lichkov (1888-1960) obituary, p. 137.

Elkins, T. M., Chatterjee, S. P. - Laurence Dudley Stamp (1898-1966) obituary, p. 140.

Alekseev, A. I., and others, - Viktor Kornelievich Litsunskii (1893-1960) obituary, p. 142.

GEOGRAFICHESKOE OBSHCHESTVO SSSR, Komissiya
po landshtafnym issledovaniyam i kartografirovaniyu.
Doklady (GEOGRAPHICAL SOCIETY OF THE
U. S. S. R. Committee on Landscape Studies and Car-
tography. Reports). Leningrad, no. 1, 1965.

Table of contents translated:
Isachenko, A. G. - Landscape research at the present
stage and tasks of the Committee on Landscape
Studies and Cartography. p. 3.

- Mukhlina, L. I. - Form for data of landscape research p. 10.
- Aleksandrov, T. D. - Hand-written punched cards in landscape research p. 32.
- Nefedov, K. E., Kuznetsov, V. V. - Use of punched cards in some sections of aerial photographic standardization of landscapes. p. 40.
- Grigor'ev, A. I. - Landscape method as the basis for further extrapolation of indications in the interpretation of Quaternary deposits as exemplified by the territory of the Ukraine p. 50.
- GEOGRAFICHESKOE OBSHCHESTVO SSSR. Zabaikal'skiy otdel. Izvestiya [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Transbaikalian Branch. Bulletin].** Chita, vol. 1, no. 3, 1965.
- Table of contents translated:
- Rutskiy, I. G., Starchenko, V. V. - Significance of the scientific works of Academician S. S. Smirnov for the development of Soviet geology. p. 3.
- Lesnak, R. V. - Structural position of Jurassic intrusions in the Shilka-Angui interfluvium p. 16.
- Barabashev, E. V. - Oligocene intrusion of alaskite granites and its metallogenic specialization. p. 28.
- Bukov, E. T. - Characteristic features of the massifs of rare metal granite intrusions in the northern part of central Transbaikalia. p. 41.
- Men'shikov, V. S., Seifullin, R. S. - Thermal conditions of the upper portion of the earth's crust in southeastern Transbaikalia p. 40.
- Sviridenko, V. T. - Liquefaction of sulfide-silicate melts. p. 55.
- Lubalin, V. D., Simonov, I. I. - Some characteristics of the localization of Baikal type mineralization. p. 61.
- Kalinin, A. S., Kalutskiy, G. G. - Some features of the behavior of iron in the formation of a molybdenum deposit. p. 68.
- Bogomolov, N. S. - Water-bearing capacity of fractures on the boundary between central and eastern Transbaikalia. p. 77.
- Shpak, A. A. - Thermal waters of the Kodar-Udokan region (northern Transbaikalia). p. 87.
- Lungershausen, G. F. - Basic stages in the development of the relief of the Vitim-Patom Plateau p. 98.
- Ufimov, G. F., Sizykh, V. I., Sizikov, A. I. - Reconstruction of the drainage network in central Transbaikalia. p. 108.
- Ufimov, G. F. - Zone of the recent downwarping of the axial part of the Mulkianskiy Range. p. 117.
- Glushkova, L. P., Ufimov, G. F. - Recent tectonics of the western part of the Aray Depression. p. 125.
- LENINGRAD. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. Izvestiya [STATE HYDROLOGICAL INSTITUTE, Transactions].** No. 138, 1967. Forecasts of the water and ice regime of rivers.
- Table of contents translated:
- Makarevich, T. N., Antskina, N. A., Efimova, Z. A. - Autumn ice phenomena on the rivers of Northern Territory and possibilities of forecasting them. p. 3.
- Gur'yev, M. I. - Calculation of the flow of medium and large rivers for a ten-day period based on the flow of small ones. p. 78.
- Meerson, T. I. - Calculation of the inflow in the reservoir of the Kiev Hydroelectric Power Station for a ten-day period in summer-autumn season. p. 95.
- No. 139, 1967. Calculation of the minimal flow and underground source of rivers.
- Table of contents translated:
- Vladimirov, A. M. - Minimal flow of small rivers in the Asiatic territory of the U.S.S.R. p. 4.
- Darganov, V. A., Peteranov, Z. I., Popov, L. N. - Maps of minimal streamflow in the Asiatic territory of the U.S.S.R. p. 24.
- Popov, O. V. - Method of water balance in the evaluation of underground flow. p. 36.
- Amus'ia, A. Z., and others. - Variability of underground flow in the rivers of the Asiatic territory of the U.S.S.R. p. 53.
- Chernala, T. M. - Annual distribution of underground flow in rivers. p. 79.
- Ivanova, E. M. - Distribution of underground flow in the rivers of Western Siberia and some characteristics of its formation. p. 99.
- Nebozheva, N. P. - Calculation of the underground source of the lake rivers of Karelia and the Kola Peninsula. p. 112.
- Dzhamatov, R. G., Kolesov, G. P. - Evaluation of the natural resources of underground waters in the Torek-Kuma artesian basin. p. 135.
- Dziba, I. L., Straprons, V. I. A. - Determining the role of relief in the formation of the natural resources of the artesian underground waters of the zone of intensive water exchange in the Latvian S.S.R. p. 153.
- Vol'itsun, I. B. - Method of the calculation of the diurnal amount of surface and underground sources of small water currents based on hydrometeorological data. p. 165.
- Vol'itsun, I. B. - Calculation of the mean coefficient of filtration for separate layers of soils. p. 176.
- Lifshits, F. A., Sokolov, B. L. - Regulation of underground flow by ice formation. p. 180.
- Dobroumov, B. M., Obraztsov, I. N., Ustturhanlin, B. S. - Evaluation of the effect of the exploitation of iron ore deposits of the Kursk Magnetic Anomaly on the regime of the flow of the Oskol River. p. 206.
- Ustturhanlin, B. S. - Role of a network of ravines and gorges in the feeding of underground waters and the method of determining their area. p. 224.
- LVIV. UNIVERSYTET. Visnyk. Seriya geografichna [UNIVERSITY Review. Geographical Series].** No. 4, 1966.
- Table of contents translated:
- Ierenchuk, K. I., and others. - Compilation of landscape maps of the western part of the Ukrainian S.S.R. p. 3.
- Vashchenko, A. T., Mikhailova, I. E. M. - Natural resources of the Lvov industrial center and their economic utilization. p. 13.
- Tsyts', P. M., and others. - Some preliminary results of geomorphological surveys in the Ukrainian Carpathians. p. 18.
- Hobolev, I. M., Proskura, Z. V. - Effect of gypsum and lime on the acidity and mobility of phosphates in the brown mountain forest soils of the Soviet Carpathians. p. 23.
- Teplov, O. I. - Cadastral evaluation of forest soils in regions of the Carpathian Mountains. p. 27.
- Shabli, O. I. - Territorial structure of the forest industry complex of the Ukrainian Carpathians. p. 30.
- Lashchuk, B. F. - Geomorphological regionalization of the Pokut'ye-Bukovina Carpathians. p. 33.
- Parobots'kiy, M. M. - Industrial structure of the Ciscarpathian regional complex. p. 37.
- Kostyuchenko, A. V. - Soil types of the landforms of the San Valley. p. 41.
- Vashchenko, A. T., Anisimova, H. M. - Economic geographical classification of the municipal type settlements of Transcarpathia. p. 44.
- Zdortuk, M. V. - Spore and pollen analysis of a peat bog in the Vishnya basin. p. 50.
- Kravchuk, H. L. - Structure and boundaries of phenological seasons in the landscapes of Lvov Province. p. 53.
- Kovalun, I. M. - Regression of glaciers in the Baksan Valley. p. 57.
- Alibekov, L. A. - Use of orographic and tectonic analysis in studying the orography and hydrography of western Uzbekistan. p. 61.
- Ionak, M. I. - Some problems in the migration of the population and utilization of the labor resources in eastern Slovakia, Czechoslovakia. p. 64.
- Svaytchev'skiy, I. I. - System of taxonomic units in the agricultural regionalization of the U.S.S.R. p. 68.
- Hun'ov'skiy, I. M. - Hypsographic curve of the Ukraine. p. 70.
- Trokhymchuk, S. V. - Soil erosion in the landforms of the Tuva Upland. p. 73.
- Kli, M. H. - Capillary moisture capacity of the brown forest soils of the Carpathians. p. 76.
- Kutsenko, A. P. - Intermountain geographical complexes of Khmel'nitskiy Province. p. 81.
- Horash, I. K. - Some problems in the geographical study of the Moldavian part of the Dniester Valley. p. 84.
- Dzhambatov, T. D. - Present state and outlook for the study of the dry-farming area of Uzbekistan. p. 87.
- Dumlin, B. I. A. - Geographical names in our geographical works. p. 89.
- MATERIALY PO GEOGRAFI NASILENIA [MATERIALS ON THE GEOGRAPHY OF POPULATION].** Issued by Komissiya geografi naseleniya i gorodov Geograficheskogo obshchestva SSSR [Committee on the Geography of Population and Cities of the Geographical Society of the U.S.S.R.], Leningrad, no. 1, 1963.
- Table of contents translated:
- Konstantinov, O. A. - Typology and classification of municipal type settlements in Soviet economic geography. p. 5.
- Blazhko, N. I. - The Donets agglomeration of municipal type settlements. p. 54.
- Sigutov, P. T. - Types of rural settlements in the Tarn River basin (Omsk Province). p. 80.
- MOSCOW. UNIVERSITET. Vestnik. Seriya 5: Geografiya [UNIVERSITY Review. Series 5: Geography].** Vol. 22, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Voronov, A. G. - Contribution to the analysis of the concept of "natural focus" of disease p. 3.
- Vaskresenskiy, S. S. - Introductory lecture of a course in the geomorphology of the U.S.S.R. p. 17.
- Rodoman, B. B. - Mathematical aspects of the formalization of regional geographical characteristics. p. 28.
- Efimov, I. K. - Basic principles underlying the working out of geographical topics of the museum of agriculture. p. 45.
- Satsuk, G. A. - One problem of economic geography. p. 54.
- Moskal'kov, S. P. - Territorial concentration of industry and its measurement as exemplified by Poland. p. 59.
- Privalov, I. V. - Vertical circulation of water in the drift layer of the North Atlantic. p. 67.
- Klimenko, L. V. - Secular variations of the winter air temperature in the southern half of the European territory of the U.S.S.R. p. 75.
- Tikhonov, K. G. - Utilizing the rivers of eastern Transbaikalia for the purposes of industrial water supply p. 79.
- Timashev, I. E. - Stratigraphy of Quaternary deposits and geomorphology of the western outskirts of the Yana-Indigirka Lowland. p. 92.
- Nikiforov, L. G., Luk'yanova, S. A. - Ancient marine accumulative forms in the shore area of the Samur-Divichli Lowland. p. 99.
- Poborchala, L. V. - Laboratory study of the velocity and density field of a suspension flow p. 103.
- Zhivkovich, L. A. - Rate of the filling of the Kama-Pechora-Vyehga Reservoir. p. 109.
- Nesimlanova, G. I. A. - Geographical differences in the dynamics of grain crop yields in the territory of the non-Chernozem center during the period of the development of capitalism. p. 113.
- Nikiforova, E. M. - Brown forest soils of the Prut-Chernomosh piedmont in eastern Ciscarpathia. p. 120.
- Bessalabov, G. D. - Zonal landscape types of the monsoon tropics of Asia. p. 125.
- Bogoslavskiy, B. B., Gordienko, V. I. A. - Effect of the relative sizes of the surfaces and basins of lakes on water level fluctuations. p. 128.
- Gorskikh, S. P. - Three stages in the development of the slopes of denudation massifs in the south of Krasnodar Territory. p. 133.
- Mandych, A. F. - Volume of sediment discharge of the rivers of western Georgia. p. 134.
- Ermakov, I. G. - Morphological characteristics of the Gerkhizinska Valley (central Caucasus) indicating the hazards of flash floods. p. 137.
- Anan'ev, G. S. - Traces of flash floods in the upper Kolyma Valley. p. 138.
- Lekhatinov, A. M. - Dendrological method of determining the time and periodicity of the occurrence of flash floods. p. 140.
- Spiridonov, A. I. - Cartographic method of research p. 143.
- Solntsev, N. A. - Difference between facies and biogeocenoses. p. 144.
- Belousov, I. I., and others. - Igor' Vladimirovich Nikol'skiy, on his 60th birthday p. 146.
- Saushkin, I. G. - Vasilii Petrovich Korovitsyn; on his 60th birthday. p. 147.
- Mironova, E. V., Voronov, A. G. - In memory of Vasilii Fedorovich Bogoslavskiy p. 148.
- Rozin, M. S. - Conference on the economic regionalization of underdeveloped countries. p. 149.
- Voronov, A. G. - Fourth interuniversity conference on zoogeography. p. 150.
- Mamaev, O. I. - Third conference on complex regional atlases. p. 151.
- In the Scientific Council of the Geographical Faculty: Mamaev, O. I. - In the Hydrometeorological Section. p. 153.
- Kolosova, I. A. - In the Section of Economic Geography. p. 154.
- Paruzhin, I. P. - In the Physicogeographical Section. p. 155.

*OKEANOLOGIYA [OCEANOLOGY]. Issued by Okeano-

logiya, Moscow, 1967.

No. 1, 1967.

Table of contents translated:

N

I

- Naimark, B. M., Vekselor, I. U. A. - Analysis of the problem of the theory of creeping with large deformations, p. 112.
- Naimark, B. M., Vekselor, I. U. A. - Analysis of the linear problem of the theory of creeping with large deformations, p. 123.
- Naimark, B. M. - Solvability of a boundary value problem describing movements of nonlinear materials, p. 141.
- Piarenko, V. F., Rautian, T. G. - Effect of the factors of station and focus on the accuracy of determination of seismic parameters, p. 161.

- Prokhorov, K. V. - Endomorphic phenomena in some granite massifs of the Akchatau complex (central Kazakhstan). p. 59.
- Portnov, A. M., Nechaeva, E. A. - Nephelinization in near-contact zones of the Buralpa alkali massif (northern part of the Lake Balka region). p. 71.
- Likhodov, G. G. - Geology and petrography of the Bel'tausk gabbroid massif in the southwestern part of the central Kyzylkum. p. 77.
- Bigin'skaya, E. N. and others. - Some results of the comparison of materials of geophysical studies on the western and eastern shores of the Caspian Sea. p. 88.
- Bellavin, O. V. - Gravity anomalies eastward of the Taratash anticlinorium. p. 99.
- Levin, L. E. - Tectonics of the Saratov-Volgograd portion of the Volga Valley. p. 105.
- Fomin, N. I., Tikhonov, V. L. - New data on the geology of the Mama Valley. p. 111.
- Vasil'tev, V. A. - Characteristics of the development of the southern part of the Baltic region, in connection with the formation and erosion of ancient weathering surfaces. p. 119.
- Volkovits, I. A. - Stratigraphic significance of the division of the middle and lower part of the Upper Devonian of the southern Timan Range based on the study of spore-pollen complexes. p. 130.
- Kaminskii, F. V., Potapov, S. V. - Determination of the absolute age of kimberlites. p. 143.
- Bogomolov, G. V., Bogomolov, I. U. G. - Artificial recharge of underground waters. p. 145.
- Oslipova, T. A. - International Conference of the Geoclimatological Commission of the World Geoclimatological Scale with the International Union of Geological Sciences (IUGS). p. 172.
- AKADEMIYA NAUK SSSR. Geologicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Geological Institute. Transactions]. Moscow, no. 160, 1967.
- Contents: Gavrilov, A. A. [Manganiferous volcanic-sedimentary complex of the Oidovetian of the Southern Urals and the Northern Mugodzhai Hills] Manganisensnyy vulkanogenno-osadochnyy kompleks ordovizka Juzhnogo Urala i Severnykh Mugodzhai. 111 p. illus.
- AKADEMIYA NAUK SSSR. Paleontologicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Paleontology. Transactions]. Moscow, vol. 114, 1967.
- Contents: Kabanov, G. K. [Shell of Belemnites, morphology and biological analysis] Skelot belemnitiid, morfologiya i biologicheskii analiz. 99 p. illus.
- GEOFIZICHESKAYA APPARATURA [GEOPHYSICAL INSTRUMENTS]. Issued by Osoboe konstruktorskoe biuro Gosudarstvennogo geologicheskogo komiteta SSSR [Special Design Bureau of the State Geological Committee of the U. S. S. R.]. Leningrad, no. 23, 1965.
- Table of contents translated:
- Chashnik, V. M. - New geophysical instruments. p. 3.
- Bure, G. N. - Sets of "AS" accessories to spectrographs. p. 8.
- Dorlova, I. U. P., Dashevskaya, E. I., Kozlov, A. N. - Manufacture and investigation of the absorbing cells of magnetometers with double radio-optical resonance. p. 16.
- Reznik, E. E. - Unit for determining the temperature coefficients of magnets. p. 20.
- Nazarov, V. P. - Use of magnetometers and magnetic drives for space vehicles in countries outside the U. S. S. R. p. 27.
- Dolgtsev, E. I. - Selection and study of the parameters of the main elements of detection systems in X-ray radiometric instruments. p. 43.
- Dolgtsev, E. I. - Method for calculating the activity of a beta-ray source. p. 60.
- Nikolaev, V. P. - Method for designing the shielding against gamma bremsstrahlung from beta-active isotopes. p. 63.
- Ivashchenko, T. F., and others. - Stabilizing the performance of gamma-ray scintillation radiometers. p. 84.
- Roka, A. T. - Analysis of various systems of arrangement of frames for use in airborne electric prospecting. p. 91.
- Veshev, A. V., Iakovlev, A. V. - Use of ANCH-1 Apparatus in determining the elements of occurrence of rocks from the angle of slope of the magnetic field vector. p. 109.
- Adamskii, D. F. - Lunar seismological stations. p. 127.
- Vinarskii, V. T. - Nonlinearity of one-wire cavity meters. p. 150.
- Kuznetsov, S. P. - Tuning an M-23 magnetometer in the field. p. 165.
- Mallarevskii, K. V., Rybin, V. K. - Technique for measuring the electromagnetic field amplitude in the infinite-length cable method. p. 176.
- Voshev, A. V., Iakovlev, A. V. - Remarks on the performance of ANCH-1 apparatus. p. 180.
- No. 28, 1966.
- Table of contents translated:
- New radiometers turned out by the OMNIA Company. p. 5.
- The HETCNA ferrous oxide magnetometer. p. 9.
- Belichenko, A. I. - Automatic compensation for the earth's constant magnetic field in measuring weak variable fields. p. 16.
- Baranskii, L. N. - Design of an induction-type detector for measuring weak variable magnetic fields. p. 24.
- Oslipov, I. U. M. - Compensation of inductive magnetic disturbances of the carrier of a ferrous oxide magnetometer. p. 37.
- Shaldurov, G. I. A. - Effect of the shape of pulses of the exciting current in the method of transients. p. 52.
- Somov, G. M. - Device for measuring the mean voltage of the electric component of a natural electromagnetic field. p. 61.
- Vasil'tev, P. I., Savel'ev, N. N. - Unit for simulation purposes using the BDK method. p. 67.
- Migunov, B. B. - Radioactive logging tools in the geophysics of capitalist countries. p. 75.
- Kamyshchev, B. S., Sal'tsevlch, V. B. - Use of a plane-collimated beam of gamma quanta in gamma-neutron logging. p. 84.
- Kamyshchev, B. S., Sal'tsevlch, V. B., Suvorov, A. D. - Advantages of using scintillation counters in gamma-neutron logging equipment. p. 88.
- Dolgtsev, E. I. - Parallel connection circuit for detectors with uncoupling diodes. p. 95.
- Vedekhin, A. F. - Use of photomultipliers in scintillation counters. p. 98.
- Bespalov, D. P., Romanovskii, V. F. - Some problems affecting the recording of results of neutron and gamma neutron logging on magnetic tape. p. 115.
- Mizhuk, L. A. - Analysis of a synchronous rectifier with a capacitive load. p. 122.
- Molchanov, A. A. - Use of memory devices in geophysical logging equipment. p. 137.
- Kolt, I. U. P., Lapin, I. U. P., Nikiforov, A. G. - A digital thermometer. p. 144.
- Ab, E. A., Gordin, V. L., Levilin, A. I. - Electrodeless high-frequency mercury-argon lamps. p. 155.
- Ab, E. A. - X-ray tubes with adjustable spectrum. p. 170.
- Gorbenko, L. A., Koval'chuk, I. N., Radikin, A. I. - Electric parameters of KODBF-6(8) and KTBT-6(10) heat-resistant logging cables. p. 174.
- Mesenzhnik, I. A., Z., Popov, V. A. - Physical and design characteristics of geophysical logging cables. p. 181.
- Lubimov, A. A., Pavlovskii, V. I. - Use of M-18 and M-23 magnetometers in regions of the Kusk magnetic anomalies. p. 187.
- Kolt, I. U. P. - A deepwater sound receiver. p. 189.
- Mallarevskii, K. V., and others. - Use of ground electric prospecting tools using the BDK method. p. 196.
- No. 29, 1966.
- Table of contents translated:
- Reznik, E. K. - The MA-21 static magnetometer. p. 15.
- Egorov, I. U. M., Ostinskaya, S. V., Chernozemova, V. G. - Unit for recording oscillations of the geomagnetic field in a wide range of frequencies. p. 24.
- Roznitsaev, E. G., Stepanov, A. P. - New working substances for nuclear magnetometers. p. 36.
- Baranskii, L. N. - Optimal parameters of an induction transducer with a given frequency characteristic. p. 42.
- Iakovlev, N. I. - Quick operation of ferrous oxide magnetometers of the second harmonic type. p. 51.
- Zotkovich, I. A. - Standardization of static magnetometers. p. 60.
- Lebedev, K. A., Egorov, G. V., Pulchenko, I. P. - Seismometric instruments with time consolidation of signals. p. 64.
- Nazaryn, S. A., Poleukhin, I. U. I. - Low-depth seismometric instrument ASM-1. p. 71.
- Dolgtsev, K. I., and others. - Geophysical instruments for fast analysis of minerals. p. 78.
- Ab, E., Gullugin, V. E., Khutsishvili, L. A. - Portable ion source for a neutron accelerating tube. p. 87.
- Bure, G. N., Kleinbok, V. E. - Devices for measuring the reflecting power of objects under a microscope. p. 93.
- Artyshbashev, V. A., Popov, E. P. - Unit for operating control and tuning of radiometric instruments. p. 99.
- Molchanov, A. A. - Frequency pulse converter of continuous electrical quantities for instruments for exploring wells. p. 104.
- Persin, S. M. - Analog-digital converter of low-level voltages. p. 111.
- Varentsov, A. A., Kolt, I. U. P., Nikiforov, A. G. - Unit for feeding continuous electric pulses into an electronic digital computer designed on the basis of an AI-100 analyzer. p. 119.
- Dolinskii, I. U. D. - Selection of some parameters of a comparator for a voltage - digit converter. p. 124.
- Kitsenko, I. U. A., Konoplev, I. U. V. - Four-channel panel for operations with a single-cable concrete testing unit. p. 128.
- Ivanov, V. F. - Feeding of X-ray spectrometric tubes for use in the field and in oil wells. p. 135.
- Vishniakov, A. E. - Method for lowering the reactive power in the feeding circuit of a rectifier with a reactive filter. p. 141.
- Gil'shteyn, A. I., Silurov, V. K. - High-voltage shunt-vol-tal transformers for neutron sources for use in oil wells. p. 144.
- Mesenzhnik, I. A., Z., Popov, V. A., Rudnya, G. S. - The KRT-3 radio-frequency logging cable. p. 152.
- Mizluk, L. A., Nichoga, V. A. - Selection of the geometrical parameters of low-frequency induction-type magnetic receivers. p. 156.
- Kochanov, P. D. - Normal series of frequencies in electric prospecting. p. 169.
- Vishniakov, A. E., Rybin, V. K., Sobol', B. S. - Normal series of frequencies for electric-prospecting equipment. p. 176.
- Solodova, E. P., Antonov, V. N. - Classification of patents in geophysics in England, France, and Italy. p. 182.
- *GEOKHMILIA [GEOCHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1964.
- Table of contents translated:
- Vinogradov, A. P., Vdovynkin, G. P. - High-molecular organic matter of carbonaceous chondrites. p. 813.
- Cherdyn'tsev, V. V., Kolesnikov, E. M. - Aigon of ancient sedimentary rocks. p. 819.
- Shukol'tsov, I. U. A. - Interpretation of discordant age values calculated according to Pb^{207}/U^{238} and Pb^{207}/U^{235} isotope ratios. p. 855.
- Pankina, R. G., Mekhtieva, V. L. - Isotopic composition of the H_2S sulfur of casing-head gases in the Dobinsk horizon in the Volga-Ural region. p. 866.
- Gorashinskii, V. I., Tuzova, A. M. - Geochemistry of chlorine in nepheline syenites. p. 872.
- Kovalenko, V. I. - Behavior of U, Th, Nb, and Ta in the mobilization process of granitoids in the Ogait complex (Eastern Sayan). p. 880.
- Milovskii, A. V. - Chromium, vanadium, and nickel in ortho- and para-rocks. p. 893.
- Serykh, V. I. - Geochemistry of nickel in granitoids. p. 898.
- Pachadzhianov, D. N. - Geochemical relations among: tantalum, niobium, and titanium in bauxites. p. 908.
- Zalutskii, G. G., Korolev, N. V., Matichukova, I. D. - New data on the mode of the occurrence of selenium and tellurium in the copper-nickel ores of the Noril'sk region. p. 917.
- Serebriakova, M. B. - Practice in using physicochemical methods for the experimental determination of the modes of the occurrence of uranium in underground waters. p. 926.
- Kozin, A. N. - Barium in the formation waters of oil deposits in the Volga Valley portion of Kuybyshev Province. p. 937.
- Rodionov, D. A. - Formulation of the problem of the statistical study of geochemical processes in the formation of igneous rocks. p. 945.
- Vdovynkin, G. P., Kropotova, O. I., Zhurav, I. U. A. - Isotopic composition of carbon in natural combustible gases. p. 954.
- Leonova, L. L. - Uranium and thorium in the Variscan alkali intrusions of the Matcha and Turpil Massifs (southern Tien Shan). p. 956.
- Portnov, A. M. - Evolution of the Buralpa Massif and characteristics of the distribution of the rare-earth elements in them. p. 969.
- Marklin, E. K., Sapozhnikova, A. M., Stralova, D. S. - Content of barium in igneous rocks of Kamchatka and the Kurile Islands. p. 962.
- Shcherbina, V. V. - V. I. Vernadskii Sixth Scientific Reading. p. 964.
- No. 5, May 1967.
- Table of contents translated:
- Vinogradov, A. P., and others. - Carbon isotopic composition of calcites in different stages of the carbonate process in connection with the problems of carbonate genesis. p. 499.
- Alekseev, F. A., Lebedev, V. S., Krylova, T. A. - Isotopic composition of the carbon of natural hydrocarbons and some problems of their genesis. p. 510.
- Artemov, I. U. M., and others. - Possible isotopic effects of the process of dolomite formation. p. 519.
- Gallimov, E. M. - Evolution of the carbon of the earth. p. 530.
- Ovsiannikov, V. M., Lebedev, V. S. - Carbon isotopic composition of gases of biogenic origin. p. 537.
- Zhrumskii, A. V., and others. - Determination of growth temperatures of some recent and fossil mollusks with respect to O^{18}/O^{16} ratio in their skeletal formations. p. 543.
- Dontsova, E. I., Naumov, O. B. - Determination of the formation temperatures of hydrothermal quartzes by isotopic oxygen ratios. p. 553.
- Grinenko, L. N., Grinenko, V. A. - Characteristics of the distribution of sulfur isotopes and their use in geochemical studies. p. 559.

Chern, S. S. - Find of fossil micro-organisms in some kaolinite crystals p. 114.

Mun, A. I., Vil'sing, I. U. E., Dovlichin, T. Kh. - Behavior of rare alkali elements in recent sediments, p. 117.

Kizil'shkin, L. A. - Morphology and origin of some separations of syngenetic pyrite in coal seams of the Donetsk Basin p. 122.

Kats, M. A., Kazhdan, V. E. - Density of quartz used for paleogeographic reconstructions, as revealed by study made of Cretaceous sediments in southern part of the Baltic region p. 125.

MATERIALY K POZNANIU GEOLOGICHESKOGO STROENIYA SSSR [MATERIALS ON THE GEOLOGICAL STRUCTURE OF THE U.S.S.R.] Issued by Moskovskoe obshchestvo ispytatelei prirody [Moscow Naturalists' Society] Moscow, no. 16(20), 1967.

Contents: Nemkov, G. I. [Nummulitides of the Soviet Union and their biostratigraphic significance] Nummulitidy Sovetskogo Soyuza i ikh biostratigraficheskoe znachenie. 317 p.

MOSCOW UNIVERSITET Vestnik. Seriya 4: Geologiya [UNIVERSITY REVIEW Series 4: Geology]. Vol. 22, no. 2, Mar-Apr. 1967.

Table of contents translated

Lihenberg, D. A., Milanovskii, E. E. - Basic characteristics of recent and contemporary tectonics of Macedonia. p. 3.

Sokolov, B. A. - Geology of the Sulaiman and Kirghar Ranges and the adjacent part of the Hindustan Plateau. p. 24.

Kozlov, V. V., Ponikarov, V. P., Razvaliaev, A. V. - Recent volcanism of the northern slope of the Arabian part of the African Platform p. 42.

Tursina, V. V. - Geology of the coast of Gulf of Guinea in connection with its oil and gas potentials. p. 52.

Zaitsev, I. U. A., and others - Geological position of manganese mineralization in Devonian red beds of the Dzhelkagan region (central Kazakhstan). p. 68.

Briling, I. A. - Study of the transfer of water salt solutions in the pores of clay soils. p. 90.

Smirnova, N. L. - Analytic and graphic methods for the representation of crystal structure. p. 100.

Leplisig, A. V., Litvinenko, O. K., Melnikov, V. R. - Deep structure of the south of the Vilyuy syncline based on data of gravimetric and aeromagnetic studies p. 112.

Mitovskii, A. V., Volynets, V. F. - Problems of the geochemistry of nitrogen. p. 125.

Lavrova, T. M. - Mineralogical composition of Quaternary sediments in the Pechora and upper Vychegda Valleys p. 131.

Siagacv, N. A., Ragozin, L. A. - Basic results of the research of the Yenisey Expedition for 10 years, 1956-1966. p. 138.

REFERATIVNYI ZHURNAL GEOLOGIYA [JOURNAL OF ABSTRACTS GEOLOGY] Issued by Vsesoiuznyi Institut nauchnoi tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 6, June 1967. Avtor'skii ukazatel' za 1966 g. [Author Index for 1966]

VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO, Zapiski [ALL-UNION MINERALOGICAL SOCIETY, Annals]. Moscow, vol. 96, no. 1, 1967.

Table of contents translated:

Tatarinov, P. M., Strona, P. A. - Basic characteristics of deposits connected with volcanic formations. p. 3.

Bogolepov, V. G. - Role of the textural and structural factor in establishing the balance of matter of metasomatic mineral formation. p. 12.

Amshinskii, N. N., Orlova, L. I., Marlich, I. V. - Distribution of rare elements in granitoid bodies of different morphology, as revealed by a study of some massifs in the Altai p. 22.

Timofeevskii, D. A. - Sulfatmonotes of lead and silver of the oxyzheite group of deposits in eastern Transbaikalia. p. 30.

Ezvikova, N. Z. - Morphological characteristics of calcite and dolomite in carbonates of the northern part of the Siberian Platform. p. 45.

Gordienko, V. V. - Crystallochemical characteristics of holmquistite, a lithium gedrite. p. 51.

Komkov, A. I., Nefedov, E. I. - "Pozniakite," a new mineral. p. 58.

Nozhkin, A. D., Gavrilenko, V. A., Moleva, V. A. - "Usol'ti," a new barium fluorolimonate. p. 63.

Bonshtedt-Kupletskaya, E. M. - New minerals. Part 19. p. 67.

Solov'ev, N. S. - Some petrochemical characteristics of Late Mesozoic igneous rock associations of southwestern Transbaikalia. p. 82.

Besedin, E. V. - Process of the geometrical selection in an aggregate of magnetite crystals. p. 89.

Tatarskii, V. B. - Optical properties of preobrazhenskite. p. 94.

Fedorov, O. V. - Umoholite. p. 95.

Rozina, B. B. - Accessory uranophane in syenite pegmatites of the Pamirs p. 98.

Chern, S. S. - Find of fossil micro-organisms in some kaolinite crystals p. 114.

Mun, A. I., Vil'sing, I. U. E., Dovlichin, T. Kh. - Behavior of rare alkali elements in recent sediments, p. 117.

Kizil'shkin, L. A. - Morphology and origin of some separations of syngenetic pyrite in coal seams of the Donetsk Basin p. 122.

Kats, M. A., Kazhdan, V. E. - Density of quartz used for paleogeographic reconstructions, as revealed by study made of Cretaceous sediments in southern part of the Baltic region p. 125.

MATERIALY K POZNANIU GEOLOGICHESKOGO STROENIYA SSSR [MATERIALS ON THE GEOLOGICAL STRUCTURE OF THE U.S.S.R.] Issued by Moskovskoe obshchestvo ispytatelei prirody [Moscow Naturalists' Society] Moscow, no. 16(20), 1967.

Contents: Nemkov, G. I. [Nummulitides of the Soviet Union and their biostratigraphic significance] Nummulitidy Sovetskogo Soyuza i ikh biostratigraficheskoe znachenie. 317 p.

MOSCOW UNIVERSITET Vestnik. Seriya 4: Geologiya [UNIVERSITY REVIEW Series 4: Geology]. Vol. 22, no. 2, Mar-Apr. 1967.

Table of contents translated

Lihenberg, D. A., Milanovskii, E. E. - Basic characteristics of recent and contemporary tectonics of Macedonia. p. 3.

Sokolov, B. A. - Geology of the Sulaiman and Kirghar Ranges and the adjacent part of the Hindustan Plateau. p. 24.

Kozlov, V. V., Ponikarov, V. P., Razvaliaev, A. V. - Recent volcanism of the northern slope of the Arabian part of the African Platform p. 42.

Tursina, V. V. - Geology of the coast of Gulf of Guinea in connection with its oil and gas potentials. p. 52.

Zaitsev, I. U. A., and others - Geological position of manganese mineralization in Devonian red beds of the Dzhelkagan region (central Kazakhstan). p. 68.

Briling, I. A. - Study of the transfer of water salt solutions in the pores of clay soils. p. 90.

Smirnova, N. L. - Analytic and graphic methods for the representation of crystal structure. p. 100.

Leplisig, A. V., Litvinenko, O. K., Melnikov, V. R. - Deep structure of the south of the Vilyuy syncline based on data of gravimetric and aeromagnetic studies p. 112.

Mitovskii, A. V., Volynets, V. F. - Problems of the geochemistry of nitrogen. p. 125.

Lavrova, T. M. - Mineralogical composition of Quaternary sediments in the Pechora and upper Vychegda Valleys p. 131.

Siagacv, N. A., Ragozin, L. A. - Basic results of the research of the Yenisey Expedition for 10 years, 1956-1966. p. 138.

REFERATIVNYI ZHURNAL GEOLOGIYA [JOURNAL OF ABSTRACTS GEOLOGY] Issued by Vsesoiuznyi Institut nauchnoi tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 6, June 1967. Avtor'skii ukazatel' za 1966 g. [Author Index for 1966]

VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO, Zapiski [ALL-UNION MINERALOGICAL SOCIETY, Annals]. Moscow, vol. 96, no. 1, 1967.

Table of contents translated:

Tatarinov, P. M., Strona, P. A. - Basic characteristics of deposits connected with volcanic formations. p. 3.

Bogolepov, V. G. - Role of the textural and structural factor in establishing the balance of matter of metasomatic mineral formation. p. 12.

Amshinskii, N. N., Orlova, L. I., Marlich, I. V. - Distribution of rare elements in granitoid bodies of different morphology, as revealed by a study of some massifs in the Altai p. 22.

Timofeevskii, D. A. - Sulfatmonotes of lead and silver of the oxyzheite group of deposits in eastern Transbaikalia. p. 30.

Ezvikova, N. Z. - Morphological characteristics of calcite and dolomite in carbonates of the northern part of the Siberian Platform. p. 45.

Gordienko, V. V. - Crystallochemical characteristics of holmquistite, a lithium gedrite. p. 51.

Komkov, A. I., Nefedov, E. I. - "Pozniakite," a new mineral. p. 58.

Nozhkin, A. D., Gavrilenko, V. A., Moleva, V. A. - "Usol'ti," a new barium fluorolimonate. p. 63.

Bonshtedt-Kupletskaya, E. M. - New minerals. Part 19. p. 67.

Solov'ev, N. S. - Some petrochemical characteristics of Late Mesozoic igneous rock associations of southwestern Transbaikalia. p. 82.

Besedin, E. V. - Process of the geometrical selection in an aggregate of magnetite crystals. p. 89.

Tatarskii, V. B. - Optical properties of preobrazhenskite. p. 94.

Fedorov, O. V. - Umoholite. p. 95.

Rozina, B. B. - Accessory uranophane in syenite pegmatites of the Pamirs p. 98.

Smirnov, F. L., Promyslov, K. M. - Solvability of quartz-carbonate veins of the Pay-Khuy. p. 101.

Kononova, M. M. - Composition of tabular talc growths in a hornblende pyroxene from charnockite rocks. p. 104.

Vol. 96, no. 2, 1967.

Table of contents translated

Solov'ev, S. P. - Hundred and fiftieth anniversary (1817-1967) of the Mineralogical Society p. 107.

Leonova, V. A., Filalova, V. V., Zaryshkov, A. A. - Accessory xenotime from pegmatite veins of the Ural and characteristics of distribution of rare earth elements in them. p. 117.

Shtenberg, D. S., Fominykh, V. G. - Chlorite of pyroxenites from Kachikani (Urals) p. 120.

Rimskaya-Korsakova, O. M., and others - Natural elements observed on cleavage planes of phlogopites. p. 141.

Kalupova, M. M. - Ferruginous and magnesian varieties of pennantite from Alaska deposits in central Transbaikalia. p. 155.

Nikanorov, A. S., Mikhailov, I. I. - Temperature of formation of muscovite p. 162.

Kalluh, E. P. - Correlation between primary and secondary hornblende and their effect on optical properties of minerals. p. 170.

Povlinskii, M. M., Soboleva, S. V. - Chlorite of a phlogopite in different stages of metamorphism based on material from Dzidza deposit p. 181.

Beskin, S. M. - Common characteristics of different pegmatites of different composition. p. 191.

Lebedev, V. I., Nagaikeev, H. V. - Chlorite of a phlogopite of different composition. p. 194.

Anikin, I. N., Potolok, A. P. - Some conditions of being crystallization of fluorophlogopite from a phase. p. 198.

Belov, A. N. - Using diagrams in the description of the position of plagioclase in hypabyssal intrusive rocks p. 202.

Svirzhlin, N. V., Grichukova, M. K. - Chlorite of a phlogopite from alkali metasomatism of the Ural p. 215.

Gurov, E. P., Gurova, E. P. - Zoned distribution of sodium feldspars in hypabyssal rocks of the Ural Range. p. 210.

Tuskil, A. A. - Diagnostics of metamorphic minerals, satellites of diamond. p. 215.

Baranov, V. D., Gaiushev, A. A. - Age and conditions of pyrite-complex metal mineralization of the Ural Altai. p. 210.

Grigor'ev, D. P., Titovskii, V. D., Lisak, A. P., and others - Fifth Congress of International Mineralogical Association held in England, 1966 p. 224.

Frank-Kamenetskii, V. A. - Information on the Commission on New Minerals and Mineral Names of the International Mineralogical Association 7-11 England, 1966. p. 220.

Cherapanov, V. A. - Second Conference on the Zone Metasomatism. p. 230.

13. SCIENCE

a. GENERAL

AKADEMIA NAUK ARMIAANSKOI SSR, Izvestiya [Reports]. Yerevan, vol. 44, no. 3, 1967.

Table of contents translated

Chakmazian, A. V. - Gaussian location of a two-dimensional doubly normalized D_2 -surface under the E_4 p. 97.

Slabospitskii, A. D. - Transducer for measuring deformations, and accelerations in bimaterial modular materials. p. 101.

Avak'iants, G. M., and others. - Current distribution in silicon diodes with negative resistance p. 104.

Avak'iants, G. M., Altunian, S. A., J. glazovskii, A. Structural changes in thin amorphous polymer films when bombarded with positive electron beams p. 107.

Kocharian, N. M., Parhadzhian, Kh. B., Tsvetkov, Zh. A. - "Induced" piezoelectric effect in crystalline polymers. p. 111.

Isagulian, V. I., Moliklan, V. R. - Condensation of chlorine-substituted olefins with paraformaldehyde in the presence of KU-2. p. 115.

Bagdasarian, G. P., Moliklan, V. R. - New characteristics of plagioclase porphyres (quartz alkali feldspar) of the Alaverdi ore region. p. 121.

Iashvili, L. P. - Find of jankovite in ores of the Erkend deposit. p. 120.

Balasanian, S. I. - Relation of volcanism to plate tectonics as revealed by a study made in Armenia. p. 170.

Ter-Grigorian, M. A. - Two new species of the genus Helicococcus Sule (Coccidia, Pseudococcidae) from Armenia. p. 134.

Akopian, V. P., Gabriellian, E. B. - Effect of α - and β -butyric acid and β -oxy- γ -aminobutyric acid on brain blood circulation and electroencephalogram under normal and spasmodic conditions. p. 177.

AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports], Baku, vol. 21, no. 6, 1985.

Table of contents translated
Dzagimov, Sh. I. - Analog of the method of straight lines for differential equations in abstract spaces. p. 3.

Dzhabaliyev, A. D. - Imbedding theorems with "weight." p. 9.

Negreco, V. F., Kiazimov, A. M., Kiazimova, N. N. - Steel corrosion inhibitors in hydrochloric acid. p. 14.

Isamliov, R. G., and others. - Isomerization of ethyltoluenes. p. 18.

Datin, M. A., and others. - Synthesis of methacrylic acid nitrile in the presence of new catalysts. p. 22.

Mustafayev, G. V., - Characteristics of the distribution of copper in granitoids and minerals of the Daildag and Mehmanli Massifs (Lesser Caucasus). p. 26.

Krasil'shchikov, L. A. - Hydrogeological regionalization of the Kharabud-Kharabul Massif according to the hydrogeological properties of underground waters. p. 31.

Bashirov, I. A. M. - History of the geological development of the Pechany-Morupli. p. 35.

Radzhabov, M. N., Magribi, A. A. - Petrochemical characteristics of Kakhkash intrusions (Dashkasan District). p. 41.

Aslanova, S. M. - Section from Lower Miocene sediments in Azerbaijan. p. 46.

Nasibzade, L. I. - Some problems of the development of oil recovery prospects in the Caspian Sea region. p. 49.

Agiev, I. U. M. - Secretory globules in a plant cell and the origin of secretory conceptacles (mitochondria, secretory canals, etc.) in the evolution of plants. p. 54.

Tutukh, V. Kh., Tagieva, L. A. - Cytological study of polyploid forms in some mulberry (*Morus L.*) species. p. 59.

Gurbanov, R. I. - Formation of gum in cultivated *Lycanthus* milk vetches in the mountain districts of Azerbaijan. p. 64.

Gashimov, A., Shakhmurov, B. - Supplying soils of the Shemakha agricultural administration with volatile forms of microelements. p. 68.

Imamverdiyev, M. G. - Effect of organic mineral micro-fertilizers and processed gummi on winter barley yield. p. 72.

Samedov, V. U. - Unknown letter of G. K. Ordzhonikidze from Paris to Baku. p. 75.

Muradkhanova, T. G. - Influence of schoolhouse design on the organization of the school area and the role of the school complex in the everyday life of a microdistrict. p. 81.

Mamedzade, K., Ismailzade, O., Dzhalilov, G. - Medieval underground structures in the upper section of Baku. p. 87.

Ismailzade, O. Sh., Osmanov, F. L. - One more pipeline of the medieval underground water supply system of Baku. p. 90.

Vol. 23, no. 1, 1987.

Table of contents translated.

Babaev, M. B. A. - Approximation of functions of several variables by sums of functions of a lesser number of variables in the complex domain. p. 3.

Abkhilalov, G. B., Kuliev, A. Z., Kakhrumannov, K. Kh. - Thermoelectric properties of P-type lead sulfide. p. 9.

Bagbanly, I. L., Dagbanly, S. I. - Rapid method of determining gallium in the presence of large amount of aluminum by amperometric titration. p. 13.

Datin, N. A., and others. - Kinetics of cyanosilylation of HCN on heterogeneous catalysts. p. 18.

Gasanov, R. K. - Ironblende and albite in ultrabasic and basic rocks of the ophiolite formation of the Lesser Caucasus. p. 22.

Dzhabaliyev, F. G., Kochari, Sh. S. - Distribution of oil in the upper horizons of the producing layer of the Kyurovdag field. p. 28.

Bashirov, I. A. M. - Characteristics of the changeability of thicknesses and lithofacies of the Baitkhan series of the sea region of the Pechany-Morupli. p. 32.

Kasumova, G. M. - Description of a new genus *Persia* Boettger *Persia latychonensis* sp. nov. p. 39.

Mikailov, M. A., Mirzaliyev, D. D. - Biology of root development in *Glycyrrhiza glabra* L. by root and rhizome sections along root length. p. 42.

Ismailov, N. M., Aslanov, S. M. - Glycoalkaloid composition and accumulation dynamics in *Solanum elaeagnifolium* Ait. on Apsheron Peninsula. p. 47.

Kuliev, R. A., Rafiev, E. B. - Chemical composition of bean seeds in Lenkoran Lowland. p. 51.

Gasanov, R. K. - Biological absorption capacity of hornbeam, beech, oak and yew at the southeastern range of the forest zone of Greater Caucasus. p. 55.

Suleimanov, I. A. I. - Sulfate reducing bacteria in lesser and greater Kyzyl-Agach Gulf. p. 59.

Talyshinskiy, G. M., Talyshinskiy, G. M. - Rutin content dynamics in leaves of promising mulberry varieties. p. 63.

Gasanov, A. S., Dadashov, E. N. - Role of grape variety and various sherry yeast strains in making sherry. p. 67.

Tutukh, V. Kh., Tushantanova, L. V. - Hibernating buds of relict trees of the family Leguminosae in Talysh. p. 71.

Gazanchian, Zh. M. - Effect of physiologically active substances on the growth and productivity of nitrogen fixation of various *Arctobacter* species and race *Beljorinckia*. p. 76.

Rzaev, N. M., Zakirzadev, D. D. - Pathogenesis of rebound-effect of anticoagulating treatment. p. 80.

Dzhamila Novruzova. - Competition for the monument of 26 Baku commissars. p. 84.

*AKADEMIYA NAUK SSSR, Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports], Moscow, vol. 173, no. 6, Apr 1987.

Table of contents translated

MATHEMATICS
Berman, G. Kh. - Extension of functions from the category of (σ) -spaces. p. 1239.

Verbanov, S. A. - Study on Bernstein's averaged interpolation process in the complex region. p. 1242.

Vizing, V. G. - Number of edges in a graph of a given radius. p. 1245.

Dzhalilov, M. M., Zakharov, V. S. - Boundary properties of meromorphic functions of class N_p . p. 1247.

Eni, V. M. - Stability of the root number of an analytic operator-function and the perturbations of its characteristic numbers and eigenvectors. p. 1251.

Zinger, A. A. - An extension of the class of stable distributions. p. 1255.

Kufarev, B. P. - Null-sets and a homeomorphism with a finite Dirichlet integral. p. 1257.

Lianze, V. E. - Nonself-adjoint difference operators. p. 1260.

Matlasevich, I. U. V. - Simple examples of insoluble associative calculi. p. 1264.

Pogorelov, A. V. - A priori estimates of the curvature radii of a convex surface. p. 1267.

Choban, M. M. - Some metrization theorems for p -spaces. p. 1270.

MECHANICS
Kuzmak, G. E., Lavrenko, N. I. - Optimal crossings between adjacent nearly circular noncoplanar orbits. p. 1273.

HYDROMECHANICS
Vainshteyn, I. L., Gol'dshchik, M. A. - Ideal liquid flow in a field of Coriolis forces. p. 1277.

MATHEMATICAL PHYSICS
Dong Vong Due, Nguyen Van Hien - Matrix elements of a Lorentz transformation for unitary representation. p. 1281.

PHYSICS
Galaktionova, N. M., and others. - Quantum yield of luminescence and energy yield of stimulated radiation in neodymium glass. p. 1284.

Deilagin, B. V., Ialamov, I. U., Ivchenko, I. N. - Use of Bhattacharya, Gross, and Krook's method in determining the velocity of thermal glide of a gas near a solid surface. p. 1287.

TECHNICAL PHYSICS
Adamenko, A. A., Dekhtiar, I. A., Mikhailenko, V. S. - Effect of deformation on the angular distribution of annihilation quanta in nickel and copper alloys. p. 1291.

TECHNICAL PHYSICS
Bogachev, I. N., Egozdaev, V. F., Potekhin, B. A. - The ΔE -effect and antiferromagnetism in iron-manganese alloys. p. 1295.

Boguslavskiy, I. A. - Hardening of glass by controlled liquid tempering. p. 1298.

El'kin, A. I., Nikolaev, V. N. - Frictional properties of rubberlike polymers at high temperatures in vacuo. p. 1302.

Kushnir, I. P. - Dislocation structure of deformed crystals of iron. p. 1306.

Tlapkin, I. U. D., Eroshenkova, I. G. - Three-dimensional periodic modulated structure in ionic-type alloys and the structure of AlNi-type alloys. p. 1309.

GEOPHYSICS
Bogdanov, V. I., Sorokina, I. I. - Estimate of the density of crystalline rocks in the earth's crust varying with depth in the region of the Kovdinsk alkaline-ultrabasic massif (Kola geophysical polygon). p. 1313.

Marchuk, G. I. - Equations describing the dynamics of a baroclinic ocean. p. 1317.

CHEMISTRY
Arbuzov, B. A., and others. - Action of trimethyl phosphite and dimethylphosphorous acid on 3-methyl-4-benzylidene-5-isoxazalone. p. 1321.

Velts, I. V., Gurvich, I. V. - Absorption spectra of radicals and molecules of substances volatilizing with difficulty in shock waves. p. 1325.

German, L. S., Podolskiy, A. V., Kuntalov, I. L. - Decomposition of ammonium bases containing polyfluoroalkyl groups. p. 1328.

Klimova, E., Arbuzov, I. U. - Catalytic monoene synthesis with carbonyl compounds. Addition of 1-alkenes to glyoxylic acid esters. p. 1332.

Lepin, L. K., Matseevskiy, B. P. - Mechanism of oxidation of cations of lower valence by oxygen in aqueous solutions. p. 1336.

Lerman, B. M., Liberman, A. L. - Correlation between some properties of stereoisomeric dialkylcyclohexanes and their thiourea adducts. p. 1339.

Logvinenko, V. A., Nikolaev, A. V. - Existence of complexes formed by metals (III) with EDTA in 1:2 ratio ($[MeT_2]^{5-}$). p. 1341.

Nifant'ev, E. E., and others. - Anhydrides of phosphorous, amido-, and alkylphosphorous acids. p. 1345.

Oreshkin, I. A., and others. - Stereospecificity of the action of π -crotol complexes in polymerization depending on the degree of oxidation of the transition metal. p. 1349.

Popkov, I. N., and others. - Some regularities in the extraction of rare earth elements and yttrium by trialkylphosphineoxide. p. 1351.

Razuvaev, G. A., Laliaeva, V. N., Malysheva, A. V. - Thermal decomposition of tetramethyltin. p. 1353.

Suprun, A. P., and others. - Homolytic rearrangement with 1,2-migration of chlorine in the process of polymerization of trihalopropenes. p. 1356.

Shostakovskiy, M. F., and others. - Cyclic acetals of dichloroketene in reactions of electrophilic addition. p. 1360.

Shchembelov, G. A., Ustyutskiy, U. A. - Estimate of the activation energy for processes of migration of metal-carbon bond in σ -cyclopentadienyl metal compounds. p. 1364.

PHYSICAL CHEMISTRY
Aikaelan, V. S., Spitsyn, V. I., Uvarov, L. A. - Effect of the specific radioactivity of ^{51}Cr isotope on electrodeposition of antimony. p. 1367.

Zaev, E. E., and others. - Correspondence of regularities of delocalization of spin density as inferred from the data of electron paramagnetic resonance radicals and nuclear magnetic resonance molecules and complexes of paramagnetic ions. p. 1370.

Kashayev, S. Kh. G., Galsin, N. K. - Correlation between proton spin-lattice relaxation and intramolecular vibrations in liquid n -alcohols $C_2 - C_{10}$. p. 1374.

Klabunovskiy, E. I. - Configurational correlations in asymmetric catalysis. p. 1378.

Khalkin, B. I., Merzhanov, A. G. - Burning of substances with a solid reaction layer. p. 1382.

Shishakov, N. A., Dmitrieva, L. P. - Nature of solid solutions in the system $NaSO_4 - KNaO_4$. p. 1388.

GEOLOGY
Vologdaev, F. A., Kukushkin, A. I., L'vov, K. A. - Stratigraphy of ancient formations of the Timan Range. p. 1389.

Ereshov, V. V., Popova, G. B. - Primary zonality of exocontact sulfide copper-nickel ores of the Talmakh deposit. p. 1393.

Pomerantseva, I. V., and others. - Basic results of a study of the structure of earth's crust and upper mantle in the Kuba-Azov Lowland obtained by the help of "Zemlya" seismic station. p. 1397.

MINERALOGY
Aptakhova, L. P., Pobedimskaya, E. A., Simonov, V. I. - Crystalline structure of synthetic silicate $Na_2Mn_2Si_2O_7$. p. 1401.

Bakakin, V. Y., Rylov, G. M., Belov, N. V. - Correlation of the chemical composition and parameters of the elementary nucleus of beryl. p. 1404.

Barabanov, V. F., Goncharov, G. N. - Dependence of fluorite luminescence spectra on its genesis. p. 1408.

Grigor'ev, N. A. - Coprecipitation of beryllium and manganese in the formation of rhodochrosite under supergene conditions. p. 1411.

Zhabin, A. G. - Ontogeny of parallel-columnar aggregates of the third type. p. 1414.

Mozgova, N. N., Borodav, I. U. S., Senderova, V. M. - New find of heteromorphite. p. 1418.

LITHOLOGY
Rengarten, N. V., Kuznetsova, K. I. - Pyroclastic material in Late Jurassic sediments of the Russian Platform. p. 1422.

GEOCHEMISTRY
Lagutin, E. I. - New data on the chemical composition of atmospheric precipitation of the northern Tien Shan. p. 1426.

OCEANOLOGY
Lagutin, T. G. - Distribution of deep-water fauna of agglutinating Foraminifera in the central part of the Pacific Ocean. p. 1431.

ECOLOGICAL
Khalilov, K. M., Gorbunov, I. U. A. - External metabolic regulation in the system periphytic microbial community - dissolved organic matter in seawater. p. 1434.

MICROBIOLOGY
Zhukova, S. V., Blagodat'skaya, V. M., Odintsova, E. N. - Effect of some vitamins on synthesis of nucleic acids and other phosphorus compounds by yeast cells in lag phase. p. 1438.

BIOCHEMISTRY
Goncharova, V. P., Ivanov, A. I. - Study of RNA in guinea pig brain, its fractional composition, reactivation intensity and hybridization with DNA. p. 1441.

Scientific achievements and structure of the Institute of Hydromechanics of the Academy of Sciences of the Ukrainian S.S.R. p. 474.
 All-Union Conference on Problems affecting Electrode Manufacture, p. 475.

AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent. Doklady [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Reports]. Tashkent, vol. 23, no. 6, 1966.

- Table of contents translated:
 Magnel'yanov, K. K. - Generalized biorthogonal system. p. 3.
 Fatzullayev, D. F., Narkabulov, O. - Studying the coefficient of the resistance of a pipeline in case of laminar flow of two-phase media. p. 6.
 Salfutdinov, A. I. - Flow by a point source about a dense semicircle. p. 10.
 Kondrat'ev, G. M., Said-Khodzhayev, A. V. S. A. - Method for approximate determination of the coefficient of heat transfer in pipes. p. 14.
 Klein, G. A., Kikhumalev, V. A. - Deposits in an old thoriated W-wire due to dislocations. p. 18.
 Protopopov, O. T., and others. - Thermionic emission parameters of the faces of a single crystal of rhenium. p. 21.
 Poberezhskii, L. N., Maslennikov, V. M. - Possibility of using polyethylene casing pipes in measuring soil moisture by the neutron method. p. 23.
 Sifarov, R. Kh. - Calculating the moments of inertia of excited nuclei in an improved superfluid nuclear model. p. 25.
 Ryakulov, D. M. - Establishing power production regions based on the expedient use of a particular cycle of the regulation of pumped storage power stations. p. 29.
 Zabrannyi, D. T. - Formation of humic, hymatomalonic, and folic acids during the weathering of coal. p. 32.
 Zakirov, U. B., Nasirov, S. Kh., Kamilov, I. K. - Selective properties of the new alkaloid unevine. p. 34.
 Uldashev, A., Ahldov, S. R. - Synthesis of some solidifying cyclic esters of vinyl phosphoric acid. p. 36.
 Uklonskii, A. S., Dugayev, V. A., Glushchenko, V. M. - Study of the total isotopic composition of Arctic waters. p. 39.
 Baganova, E. F. - Hydromagnesite from Chokadambulak. p. 41.
 Khalafakata, O. N. - Red-colored Silurian rocks in the southern Tien Shan. p. 43.
 Mukhamedzhanov, M. V., Iazykov, A. P. - Role of cotton leaves in supplying the roots with molecular oxygen. p. 49.
 Munusov, A. U., Sharipova, D. D. - Redistribution of water and electrolytes in intestines depending on the environmental temperature. p. 52.
 Salkhova, B. - Changes in the pathogenic properties of *Vaccinellum dahliae* under the influence of alkaloids. p. 56.
 Eldol'mant, A. S. - Effect of green manure on the development of the active part of the root system of apple. p. 59.

Vol. 23, no. 7, 1966.

- Table of contents translated:
 Maksudov, I. G. - Distribution of almost simple values in some sequences. p. 3.
 Rizaev, Sh. R. - Solution of a linear problem of slope stability. p. 7.
 Suncheleov, R. I. A. - Some problems of the dynamics of a transversely isotropic heterogeneous elastic medium. p. 11.
 Akiyov, U. A., Filatov, A. N. - Principle of averaging in the mathematical theory of optimal processes. p. 15.
 Starodubtsov, S. V., and others. - Nonstationary processes in the arc with difficultly fusible electrodes in a vacuum. p. 19.
 Lavrov, N. V., Idlatuln, Z. - Experimental study of some thermophysical values of natural gases. p. 23.
 Kolesov, S. N. - Relation between the dielectric strength of polystyrene and the type and degree of its plastification. p. 25.
 Masagutov, V. S., Miller, R. A., Kasimov, A. K. - Multiple-channel system for measuring the yield curves of photolucifer reactions. p. 29.
 Kadyrov, N. K., and others. - Retention of Ca^{++} and Mg^{++} by glauconite after its burning and structuralization with the preparations K-4 and PAA-1. p. 33.
 Sultanov, A. S., and others. - Esterification of formic acid by ethyl alcohol on the KU-2 ion exchange resin. p. 36.
 Khamidkhodzhaev, S. A., Korotkova, E. E. - Natural resources of Ungornia vicioria Vved. p. 39.
 Umarova, Sh. S., Zakirov, U. B., Kamilov, I. K. - Pharmacology of the alkaloid narwedina. p. 41.
 Adylov, F. T. - Studying the physicochemical properties of oils from the producing horizons of the Western Palvanish deposit under normal and formation conditions. p. 44.

- Filatova, L. I., Gabri'lanis, R. M. - Rimette from Upper Jurassic salt strata of the western spur of the Glesar Range. p. 47.
 Ergashev, S. E. - Regionalization of Upper Cretaceous underground waters on the basis of their radioactivity for pasture areas. p. 51.
 Musaeva, T. I. - Comparative study of the effect of polysaccharides and alcohols on the synthesis of amylolytic enzymes in the submerged culture of the fungus *Aspergillus awamori*. p. 54.
 Skvortsova, S. V., Rakhmanov, R. R., Vereshchagin, A. G. - Composition of the fatty acids of cottonseed oil during the early period of ripening. p. 57.
 Khisanov, O. Kh. - Technical lignin as a culture medium for the propagation of an antagonistic fungus of the genus *Trichoderma* Pers. p. 59.
 Khodzhaev, D. Kh. - Effect of trace elements on the chlorophyll content and the strength of the chlorophyll-protein-lipid complex of cotton during its early stages of development. p. 61.
 Shepel'kova, O. S. - Effect of bentonite on the fermentation of grape must and the amount of nitrogenous substances in wine. p. 64.

Vol. 23, no. 8, 1966.

- Table of contents translated:
 Kukles, I. S., Akchurina, R. U. - Problems of differentiation for integral curves near a specific point on a plane and in three-dimensional space. p. 3.
 Berishadskii, S. M., Grindorf, B. M. - Calculation of stresses acting on the camshaft bearings of automobile engines by the use of electronic computers. p. 7.
 Mirzakhamedov, E. - Methodology of operational planning of the work of a railroad section by the use of electronic computers. p. 11.
 Khudalberganov, K. - Mathematical modeling of local work at railroad stations. p. 15.
 Azimov, S. A., and others. - Evaluating the spin of multipion resonance. p. 18.
 Lavrov, N. V., Altunin, V. V., Idlatuln, Z. - Experimental study of some thermophysical values of natural gases. p. 22.
 Anarmetova, D., Pak, I. A. V., Usmanov, Kh. U. - Effect of thermal treatment in crease-resistant finishing of cotton fabrics. p. 25.
 Tkhanov, V. P., and others. - Pathology and histology of the internal organs and the picture of the peripheral blood of rabbits subjected to prolonged administration of vincamine chloromethylate. p. 27.
 Fatkullov, I. F. - Changes in the diuretic and chloride excretion under the influence of erythrosol in experimental myocarditis. p. 30.
 Miralimova, N. M., Otakuziev, E. I. - Presence of phosphorites in Mesozoic and Cenozoic deposits of the Zhetysay Mountains. p. 33.
 Sulaimanov, I. S. - The genus *Ammoglobigerina* Eimer et Fickert, 1899 of the family Trochammina Schwager, 1877. p. 36.
 Idlatuln, Z. A. - Some geological and petrographical characteristics of the adamellites of the central part of the Chatkal Range. p. 39.
 Alimdzhanov, R. A. - Nooris hutoni as a shelterbelt pest in Uzbekistan. p. 42.
 Kogal, E. S., Kadyrova, M. K., Shcherban', Z. P. - Data on the biological effect of the ionizing radiation of cobalt (Co^{60}) on the preimaginal stages of the mosquito *Culex pipiens pipiens* Linn. p. 44.

AKADEMIYA NAUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports]. Minsk, vol. 11, no. 4, Apr. 1967.

- Table of contents translated:
 Keda, N. P., Iancovich, L. A. - Convergence of the quadrature process for differentiable periodic functions. p. 203.
 Rodov, A. M., Trof'inkova, N. N. - Convergence of the development of a field of values on a spherical surface. p. 206.
 Saksonov, A. I. - Group algebras of finite groups over number fields. p. 202.
 Atzenshtat, V. S., Kravchuk, D. N. - Problem of finding chains of maximum length. p. 306.
 Nemtsov, V. B., Rott, L. A. - Statistical theory of the elastic properties of condensed media. p. 310.
 Mel'gul, M. A. - Some problems in the theory of the hysteretic loop and the ferroelectric current loop. p. 314.
 Akiyevdov, I. N., Stanishevskaya, I. V. - Mechanism underlying the failure of porous materials saturated with salts. p. 320.
 Shtein, N. S. - Stability of laminar flow of viscous fluid. p. 324.
 Severdenko, V. P., Barsoglan, M. A. - Temperature dependence of the external friction coefficient in M3 copper rolling. p. 327.
 Severdenko, V. P., Reznikov, I. U. N. - Change in the microhardness of pipes drawn in an ultrasonic field. p. 330.
 Kononov, E. G., Pavlov, L. G. - Effect of flexural ultrasonic vibrations on the bending of specimens. p. 333.

- Komaiov, V. S., Rozin, A. T. - Effect of adsorbent nature and properties of volume solution on adsorption selectivity. p. 338.
 Bardyshev, I. I., Kullikov, V. I. - Determination of physical constants of organic substances by means of gas chromatography. p. 342.
 Astapova, S. D., Lukashev, K. I., Shimanovich, S. L. - Microelements in the covering moraines of White Russia. p. 346.
 Bogomolov, G. V., Tsybulin, L. A. - Causes of the anomalous distribution of underground heat in the southern part of the White Russian S.S.R. p. 350.
 Kiselev, P. A. - Movement of ground waters in dipping aquifers. p. 355.
 Godnev, T. N., Leshina, A. V. - Aftereffect of molybdenum and cobalt on peas. p. 359.
 Vecher, A. S., and others. - Solanine content in popular and new potato varieties of the White Russian S.S.R. p. 362.
 Prokopcuk, A. I., Pu'kevich, R. N. - Salic acid in blood serum of healthy people. p. 365.
 Kamilov, L. V., Kamilov, A. K. - Determination of dissolved oxygen in water by polarographic method with the help of solid electrode with electrochemical depolarization. p. 368.
 Morozov, E. I., Troitskii, N. A. - Obtaining H-mutations in bacteriophage T1 with the help of slow protons. p. 371.
 Ginzburg, S. E. - Significance of rheoencephalography and electroencephalography in diagnosis of carotid artery occlusions. p. 373.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 5(51), May 1967. [In Uzbek]

FILOSOFSKI PROBLEMY SUCIASNOHO PRYRODOZNAVSTVA [PHILOSOPHICAL PROBLEMS OF MODERN NATURAL SCIENCES]. Kiev, no. 6, 1966.

- Table of contents translated:
 Shuhatlin, O. V. - Dialectical logic as the interdependency of the laws of formal logic expressed in a symbolic form. p. 3.
 Lital, V. S. - Development of the relative independence of thought and its role in the development of natural sciences. p. 17.
 Proskura, M. I. - The absolute and the relative in the laws of natural sciences. p. 29.
 Sieryi, I. M. - Some trends in and the characteristics of the development of present-day natural sciences. p. 36.
 Zharkov, I. E. S., Hlyrch, N. M. - Characteristics of the determination of the development of present-day natural sciences. p. 44.
 Drykun, M. I. - Is gravitation a class of matter or a form of its existence? p. 54.
 Marynenko, T. K. - Present-day genetics and some problems of its methodology. p. 63.
 Savenko, I. A. M. - Contradictions in the aging and rejuvenation of living systems. p. 77.
 Kostluk, N. T. - Problem of the nature of life and the biophysical aspects of its interpretation. p. 85.
 Kivenko, N. V. - Function and reflection. p. 98.
 Shovkoplias, V. P. - The place of cybernetics in the system of sciences. p. 108.
 Lubyshankovskiy, V. A. - Some problems of the divisibility of matter. p. 118.
 Kisevov, A. I. - Possibility and technical realization; based on the principles of building and architecture. p. 123.
 Korol', O. V. - Special aspects of the transformation of natural sciences into a direct productive force of society. p. 135.
 Vdovychenko, H. H. - Interaction and interdependence of structure and reflection. p. 145.

KIEMIYA I ZHIZN' [CHEMISTRY AND LIFE]. Issued by Akademiiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 6, June 1967.

NOVYE KNIGI ZA RUBEZHOM. Series A: Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizicheskaya geografiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]. Moscow, vol. 20, no. 6, June 1967.

PRIRODA [NATURE]. Issued by Akademiiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1967.

- Table of contents translated:
 Kedrov, B. M. - Lenin on history of science. p. 3.
 Mikulinskii, S. R. - Basic trends of the development of biology in the U.S.S.R. p. 11.
 Buznikov, G. A. - Low-molecular regulators of embryonal development processes. p. 20.
 Logvinov, V. V., Oganezov, K. S. - Simulation method in plasma physics. p. 32.
 Birtukov, B. V., Geller, E. S. - Modeling and neurocybernetics. p. 42.
 Angelov, E. V. - Homo habilis, or skillful man. p. 47.

- Hutch, A. I. - Little earth contracting or expanding? On the tectonic depressions. p. 56.
- G. A. ... B. A. - Robert glacier in the upper part of the ... p. 57.
- Chernikov, A. V., G. G. ... V. V. - Swimming ... p. 59.
- ... G. A. - ... p. 64.
- G. A. ... V. V. - ... p. 66.
- ... A. P. - ... p. 68.
- ... V. V. - ... p. 70.
- ... A. P. - ... p. 74.
- ... A. G. ... N. - ... p. 76.
- ... A. V. - ... p. 67.
- ... G. B. - ... p. 90.
- ... F. P. - ... p. 102.
- ... A. V. - ... p. 106.
- ... A. V. - ... p. 107.
- ... A. V. - ... p. 109.
- ... V. S. - ... p. 110.
- ... A. B. - ... p. 110.
- ... V. I. - ... p. 111.
- ... V. F. - ... p. 114.
- ... J. - ... p. 117.
- ... G. I. - ... p. 124.
- ... M. A. - ... p. 125.
- ... V. V. - ... p. 126.
- ... F. D. - ... p. 127.
- ... I. S. - ... p. 127.

No 5, May 1967

- Table of contents translated
- First steps of Soviet radio. p. 3
- Forjaneets, A. S. - Mechanics and similarity. p. 9
- Morjanov, F. Z. - Gravitational apparatus and cell function. p. 14
- Percelman, A. I. - Geochemistry of deserts in the Soviet Union. p. 24
- Bykhovskii, B. E., Danilov, A. G. - International Biological Program. p. 34
- Guliyev, V. I. - Unknown Columbuses. p. 42
- Kurikova, I. V. - Destructive earthquakes in Turkey. p. 53
- Lubanov, I. N. - Signs of ripples. p. 57.
- Nechaev, V. A., Rudakov, A. G. - On islands of the Bay of Peter the Great. p. 60.
- Timofeev-Restovskii, N. V. - V. N. Sukachev, an obituary. p. 66.
- Vorobev, A. G. - Problems of biogeocenology. p. 67
- Matveev, B. S. - Progress and regress in evolution. p. 71.
- Musabekov, I. U. S. - Founder of structural chemistry. p. 79.
- Markov, K. K. - Alaska, travel impressions of a geographer. p. 86
- Fillimonenko, I. S., Dzerdzhevskii, B. L. - Do meteoric streams and artificial satellites influence weather? p. 93.
- Shishkin, I. B. - Tiger and man. p. 99
- Lopatov, S. V. - Biruni gold nugget. p. 106.
- Papov, I. T. - Picea shrenkiana Fish. et Mey in Saur Mountains. p. 106
- Budun, A. S. - Bison in North Ossetia. p. 107.
- Drozdo, N. N. - Gekkos hold out on the ceiling. p. 108.
- Mountains and climate of the earth. p. 109.
- Polders of Netherlands. p. 110
- Resistance capacity of silicon organic ceramics. p. 111
- Iakobi, V. E. - Does radar affect birds? p. 114.
- Massaev, K. V. - Prostheses instead of heart. p. 115.
- Shcheglov, P. N. - Water protection from pollution. p. 116.
- Lappo, G. M. - Conference on population geography. p. 117.
- Blizhner, L. A., Zenkevich, L. A., Fedoseev, I. A. - Congress on the history of oceanography. p. 118.
- Effect of street light on foliage. p. 122
- Dulaeva, T. F., Cherkasskaya, V. M. - Winter of 1966 - 1967 in northern hemisphere. p. 123.
- Kishkin, L. S. - Nature in bookplates. p. 127.

REFERATIVNYI ZHURNAL: KIBERNETIKA [JOURNAL OF ABSTRACTS CYBERNETICS]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, nos 5-6, May-June 1967

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, vol. 42, no. 6, 1967

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]. Issued by Tsentralnyi komitet Leninskoho komunistychnoho soluzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no 6(327), June 1967

b ASTRONOMY

AKADEMIYA NAUK SSSR. Astronomicheskii sovet. Biulleten' stanitsii opticheskogo nabludeniia Ispusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U. S. S. R. Astronomical Council. Bulletin of the Stations of Optical Observation of Artificial Earth Satellites]. Moscow, no. 47, 1966

Table of contents translated

Artificial earth satellites and space probes launched from January 1, 1965, to July 1, 1965. p. 6.

Soviet artificial earth satellites, space probes and space vehicles. p. 13.

American artificial earth satellites and space probes. p. 18.

AKADEMIYA NAUK SSSR. Institut teoreticheskoi astronomii. Biulleten' [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Theoretical Astronomy. Bulletin]. Leningrad, vol. 10, no 7(120), 1965.

Contents. Martynenko, B. K. [On expanding the perturbation function by powers of the eccentricities in the elliptic problem of three bodies] O razlozhenii perturbatsionnoi funktsii po stepeniam ekscentricitetov v ellipticheskoi zadache trekh tel. 457-503 p

AKADEMIYA NAUK TADZHIKSSKOI SSR, Dushanbe. Institut astrofiziki. Biulleten' [ACADEMY OF SCIENCES OF THE TADJIK S. S. R. Astrophysical Institute. Bulletin]. Dushanbe, no 43/44, 1966.

Table of contents translated.

Shakhovskoi, N. M. - Photoelectric observations of variable stars. Report No. 1, p. 3.

Vasil'yanovskaya, O. P. - Photoelectric observation of variable stars. Report No. 2, TU Cassiopeiae. p. 21.

Erlekoova, G. E. - About five variable stars in Vulpecula. p. 37.

Nikulina, T. G. - On 10 little-known variable stars. p. 53.

No 45, 1966.

Table of contents translated:

Dobrovolskii, O. V., Oshorov, R. S. - Movement of matter in the tail of the comet Arond-Roland. p. 3.

Pomogayev, S. G. - Unsymmetrical statistical solution of Einstein's equations. p. 7.

Rubtsov, L. N. - On the minimum stellar magnitude of meteors registered at a wavelength of 17 m. p. 12.

Nikulina, T. G. - About eight little-known variables. p. 17.

Shakhovskoi, N. M. - Investigation of the period of the eclipsing variable RY Per. p. 32.

No 46, 1966.

Table of contents translated:

Dobrovolskii, O. V. - Temperature of an optical by dense comet atmosphere. p. 3.

Dobrovolskii, O. V., Ibadinov, Kh. - Photographic photometry of the comet Arond-Roland 1956 h. p. 7.

Oshorov, R. S. - Effective albedo of the comets Schumasse 1951 I and Bakharov 1955 f. p. 10.

Pitlsyna, N. G. - About the small-scale two-dimensional hydromagnetic dynamo. p. 13.

Nikulina, T. G. - Five variables of the RR Lyr type. p. 15.

Mamadov, O. - Photometry of the NGC 5371 galaxy. p. 25.

Ibragimov, I. - Photoelectric observations of twilight in Dushanbe. p. 29.

Rubtsov, L. N., Latipov, D. L. - Results of measurement of the velocity and direction of ionospheric wind above Tajikistan. p. 36.

*ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 44, no. 2, 1967.

Table of contents translated.

Petrovskii, S. L. - Some problems of mass transfer in close binary systems. p. 241.

Gershberg, R. E., Chugainov, P. F. - Photoelectric and spectrographic observations of UV Ceti flares in 1965. p. 269.

Lund, L. - Spectrum of P Cygni in 1964. p. 267.

Dibal, E. A., Esipov, V. F. - Spectra of some blue objects in high galactic latitudes. p. 278.

Liu-van-Long - Detailed analysis of the spectral lines of Wolf-Rayet type stars. p. 283.

Doroshkevich, A. G., Zel'dovich, I. A., Novikov, I. D. - Origin of galaxies in the expanding universe. p. 285.

Shklovskii, I. S. - Possibility of the maser effect on clouds of interstellar hydrogen in the galactic corona. p. 304.

- Braude, S. I. A. - Spectra and frequency dependences of angular dimensions for some models of discrete sources of cosmic radio emission. p. 309.
- Novikov, I. D., Stuntz, R. A. - Explanation of the anomalous helium content in the 3 Cen A star. p. 320.
- Korchak, A. A. - Possible mechanisms of the interaction of hard X-radiation during solar flares. p. 328.
- Marik, M. - Heating of the chromosphere above a sunspot. p. 330.
- Dubov, E. E. - Structure of the lower chromosphere. p. 342.
- Kurt, V. G., Germogenova, T. A. - Scattering of the solar L_{α} -radiation on galactic hydrogen. p. 352.
- Dordichevskaya, V. S. - Periodicity of the north-south asymmetry of the distribution of the new solar spots in the minimum periods. p. 358.
- Vorontsov-Vel'iaminov, B. A., and others. - Absorption intensities of the emission lines of planetary nebulae. Report No. 3, p. 361.
- Kurichka, L. N. - Broadening of hydrogen lines by Stark effect. p. 360.
- Imshennik, V. S., Nadezhin, D. K. - Influence of absorption lines on the internal constitution of massive stars. p. 377.
- Matveenko, L. I., Pavlov, A. V. - Results of the investigation of the Crab Nebula at a wavelength of 0.2 mm. p. 381.
- Kaplan, S. A. - On the theory of strong shock wave propagation in the inhomogeneous cosmic medium. p. 384.
- Dubovskii, G. V., Ob'edkov, V. D. - Detachment of molecular hydrogen ions in collision with thermal electrons. p. 387.
- Ogorodnikov, K. F. - Conditions of the existence of the corona in spherically symmetrical star systems. p. 390.
- Shalova, R. B. - Peculiar motions of the O and B stars. p. 396.
- Lipskii, I. U. N., Prospektovskii, M. M. - Some results of the measurements of the complete absorption of the details of the lunar surface. p. 410.
- Troitskii, V. S., Krut'kov, V. D., Tsel'tsa, N. M. - Measurement of lunar radio emission in the 10 m range. p. 413.
- Losovskii, B. I. A. - Observations of polarization of the lunar radio emission at a wavelength of 10 cm with a high resolving power. p. 411.
- Matveev, I. U. G. - Factor of reflection from the plasma-schistose medium of light for different angles of incidence of electromagnetic waves. p. 416.
- Nikol'skii, G. M., Sazunov, A. A. - Investigation of the 535-mm single-lens objective of the large Lyst camera. p. 426.
- Volkovich, M. P., Avdeev, N. I. A. - Optical characteristics of some cosmic and earth surfaces. p. 431.
- Dolginov, A. Z. - Formation of particles in the planetary atmosphere as a result of gas condensation. p. 434.
- Kazimirechak-Polonskaya, E. I. - Evolution of the orbits of short-period comets during the interval 1000-2000 and the role of the outer planets in its evolution. p. 439.
- Bollnov, N. A. - Evolution of the orbits of the comet Nouhuin 2 (1916 II), Comas Sola (1927 III) and Wassermann-Wachmann 2 (1929 II) during a period of 4000 years (1000-2000). p. 461.
- Kurichka, V. N., Kokis, I. U. F. - Hubble content of some QSG at a wavelength of 8 cm. p. 411.
- Mikhail Fedorovich Salbutin (1893-1966). p. 472.

*METEORITIKA [METEORITICS]. Issued by Komitet meteoritov Akademii nauk SSSR [Committee on Meteorites of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 27, 1966.

Table of contents translated:

Vdovkina, G. P. - Organic compounds of carbonaceous chondrites. Report No. 2, p. 41.

Smyshlakov, S. I. - Some data on meteorite studies of troilite and pyrrhotite in meteorites. p. 53.

Ovechinnikov, L. N., Makonkov, V. G. - Thermal luminescence of some stony meteorites. p. 58.

Iudin, I. A., Kolomenskii, V. D., Mikhovskaya, I. V. - Micrographic and microgonometric study of minerals in the Taitahouine and Blannora meteorites. p. 63.

Ovechinnikov, L. N., Iudin, I. A. - Study of the Kargapol'ye stony meteorite. p. 70.

D'akonova, M. I., Kharitonova, V. I. A. - Plan of a chemical analysis of stony and iron meteorites. p. 89.

Bronshon, V. A. - Theory and spectral study of meteorite-forming fireballs. p. 97.

Pokrovskii, G. I. - Explosions of meteor bodies in the atmosphere. p. 103.

Zotkin, I. T. - Tunguska meteorite's path and fall. p. 109.

Kirova, O. A., Zaslavskaya, N. I. - Some data on pulverized substance from the area of the fall of the Tunguska meteorite. p. 110.

Nekrasov, V. I., Emel'yanov, I. U. M. - Peculiar characteristics of the forest in the region of the fall of the Tunguska meteorite. p. 128.

Krotova, Z. A., Kandyba, I. U. L. - Study of the Tunguska crater. p. 134.

- Vasil'ev, V. A. - Searching for cosmic and meteor dust in the earth's atmosphere. p.130.
- New findings and new sites of tektites in southern Czechoslovakia. Report No. 2. p.144.
- TSeringer, I., Gontmet, V. - Comparative potassium-argon dating of tektites, the Nordlinger-Ries (German Federal Republic), Bosumtwi (Ghana) and other natural glasses. p.151.
- Kvasha, L. G., Kharlamova, V. I. - Meteorite composition and structure of the Yefemovka and Zaysan stony meteorites. p.153.
- Xirova, O. A., D'akonova, M. I. - Budulan mesosiderite. p.167.
- Radzievskii, V. V. - Geocentric speed of meteorite bodies and the origin of micrometeorites. p.178.
- *RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshtikh uchebnykh zavedenii, geodeziia i aerofoto's'emka [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Geodesy and Aerial Photography]. Moscow, no. 5, 1956.
- Table of contents translated:
- Kondrashev, A. V. - Theory of geodimeter with two Kerr condensers. p.3.
- Konobkov, S. A. - Calculating directional graphs. p.11.
- Tezovskikh, I. N. - Using formulas of structural mechanics for determining the accuracy of survey layouts in bridge construction. p.23.
- Khelifa, B. S. - Some problems in the determination of volumes of bodies bounded by topographic surfaces. p.31.
- Zlatanov, Georgi. - Adjustment of dependent values. p.37.
- Tikhonov, A. N. - Observing fill settlement. p.55.
- Fedorov, S. F. - Relationship between the height of triangulation towers and observation time. p.59.
- Bravay, V. V. - Practical calculation of components of plumb-line deflection of the earth's surface. p.61.
- Garelik, I. S. - Using SD-1 stereograph for processing stereopairs of electron microscopy. p.67.
- Kushin, I. F. - Effect of color of the subject being photographed on photogrammetric refraction and image resolution. p.75.
- Novakovskii, B. A. - Intersection in Drobyshev stereograph. p.85.
- Bespalov, I. U. - Effect of curvature of liquid surfaces on image quality in telescopes of liquid compensator levols. p.95.
- Ramazanov, K. A., and others. - Lens alignment and misalignment determination by the photoelectric method. p.101.
- Vafadi, V. G., Khanokh, B. I. U. - Method for calculating active photoelectric systems. p.105.
- Il'inski, I. S. - Automatic calculation of optimal systems. p.113.
- Defense of diploma projects in the Novosibirsk Institute of Geodetic, Aerial Survey, and Cartographic Engineers. p.127.
- Twenty-first Students' Conference of the Moscow Institute of Geodetic, Aerial Survey, and Cartographic Engineers. p.128.
- Conference of the Moscow Institute of Geodetic, Aerial Survey, and Cartographic Engineers. p.131.
- Nikolai Nikolaevich Stepanov; obituary. p.135.
- SHEMAKHA. ASTROFIZICHESKAYA OBSERVATORIIA. Soobshcheniia [ASTROPHYSICAL OBSERVATORY. Reports]. Baku, no. 6, 1967.
- Table of contents translated:
- Vanshe'baum, F. I. - One application of the method of averages in differential equations of the bounded problem of three bodies. p.3.
- Akhundova, G. V., Babaev, M. B. - Studying IZA-2 horizontal comparator. p.14.
- Kafarov, G. A. - Observations of the occultation of the Tau A radio source by the moon on April 16 and August 4, 1964 at 210 Mc. p.20.
- Soldov, Z. F. - Minimum radius of degenerated electron configurations. p.25.
- Akhundova, G. V., Gusova, T. A. - Studying the IUM-2 universal measuring microscope. p.30.
- Qusarov, S. Z., Gadzhiev, M. S., Gusov, E. B. - Electropolarimetric observations of DD Lac. p.42.
- Aliev, A. A. - Spectrophotometric and polarimetric studies of U Mon. p.51.
- Azlmov, S. M. - Spectrophotometric study of the eclipsing variable system AR Lac. p.65.
- ZEMLIA I VSELENNAYA [EARTH AND THE UNIVERSE]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 2, no. 6, Nov.-Dec. 1966.
- Table of contents translated:
- Vinogradov, A. P. - How the ocean evolved. p.4.
- Shklovskii, I. S. - Problem of the "mysterium." p.9.
- Gorshkov, S. P. - Traces of cosmic changes in Quaternary deposits. p.22.
- Gurshleht, A. A. - About the "Ranger" and "Surveyor" programs. p.30.
- Mikhailov, A. A. - Theodore Oppolzer; on the 125th anniversary of his birth. p.44.
- Silkin, B. I. - Explorers of the world ocean in Moscow. p.48.
- Rozhkovskii, D. A. - At the top of the Trans-Ili Alatau. p.59.
- Zolkin, I. T., Shemiakin, M. M. - Laureates of incentive prizes of the All-Union Astronomical and Geodetic Society. p.69.
- Marlenskii, A. D., Poroshin, F. M. - Starry sky and planets in January and February of 1967. p.73.
- Marlenskii, A. D. - Visibility of planets in 1967. p.70, 80.
- Orlov, V. A. - Relaying earth satellites on world stamps. p.86.
- AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia Seriya biologicheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Biological Sciences]. Baku, no. 6, 1966.
- Table of contents translated:
- Abdullayev, I. K., Gasanov, D. O. - Effect of ionizing radiation and colchicine on some character changes in mulberry varietals. p.3.
- Agamliova, M. I. - Phenology of pine species introduced in Apsheiron. p.11.
- Ismailov, N. M., Abbasov, R. M. - Some alkaloid-bearing plants of the Nakhichevan A.S.S.R. p.17.
- Ragimov, M. A. - Growing Datura innoxia Mill. in Azerbaijan. p.25.
- Mekhtieva, B. A. - Biomorphology of sprouts and juvenile plants of various clover species grown in Apsheiron at different seasons. p.33.
- Akhund-zade, A. I. - Comparative study of damaging and mutagenic effect of radiation and alkylating compounds on pea and barley seeds. p.40.
- Gadzhev, A. T., Dubovchenko, T. A. - Gamasid mites in bats of Azerbaijan. p.49.
- Karavov, F. V. - Characteristics of trematode larvae in freshwater mollusks of Kyzyl-Agach Preserve and adjacent region. p.55.
- Faradzhov, G. R. - Seasonal changes in ostracod fauna of the western coast of central Caspian Sea. p.62.
- Eliazova, Kh. S. - Materials on bottom fauna of rice fields and reservoirs in Lenkoran - Astara region. p.68.
- Zelmalov, I. I. - Some histological characteristics of mammary gland structure in sheep of Balbas, Karabakh and Azerbaijan mountain merino breeds. p.77.
- Salamov, G. A. - Brown mountain-forest weakly podzolic soils of the southern slope of Greater Caucasus in Azerbaijan S.S.R. p.81.
- Sharifov, E. F., Mekhratlev, I. I. - CO₂ dynamics in soil air and gas exchange as affected by different forest trees of Lesser Caucasus. p.88.
- Akhundov, A. K. - Potassium effect on nitrogen nutrition of tea plants. p.93.
- Alekperova, E. I. - Study of the relationship between absorption capacity and mechanical composition and content of humus as exemplified by soils by Sal'yany Steppe. p.99.
- Karavov, A. I., Dzhalilov, O. M. - Effect of proprioceptive impulses on eye sensitivity to light. p.104.
- Mamedova, L. I. - Effect of the stimulation of liver chemoreceptors by ascorbic acid on ascorbic acid content in blood of normal dogs and of dogs with impaired functional state of the vegetative nervous system. p.110.
- Gasanov, Kh. A., Pirvardieva, F. G. - Cardiac unconditioned and conditioned reflexes following certain forms of arterial hypotension. p.117.
- Karavov, M. A., Khanaliev, N. M., Guseinova, S. - Diagnosis of portal hypertension. p.123.
- AKADEMIIA NAUK BSSR, Minsk. Vestsi. Seriya biologicheskikh nauk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Biological Sciences]. Minsk, no. 2, 1967.
- Table of contents translated:
- Rakhiscentka, I. N., Iakhorova, R. M. - Absorption of mineral nutrients by roots of lupine and oat in pure and mixed cultures. p.5.
- Lolka, A. M. - Effect of sylvinit on trace elements content in sugar beet plants. p.6.
- Zabalotny, A. I., Miranenko, A. V. - Effect of boron on the development of lupine and the content of nitrogen of various forms. p.13.
- Kruchynina, S. S., Hancharyk, M. M. - Transpiration in potatoes planted in various forms and densities. p.21.
- Iurkevich, I. D., Hel'tman, V. S. - Biogeocenotic relations in woody plants of White Russia. p.20.
- Smaliak, L. P. - Efficiency of swampy forest improvement in Polesye without draining water from bogs. p.38.
- Baranau, A. A., Shlyk, A. A. - Nature of obtaining chlorophyll from cells of Euglena gracilis by low-polarity solvent. p.41.
- Vechar, A. S., Kurbatava, S. I., Ral'syna, H. I. - Determination of free nucleotides in biological objects with different nutrition habits. p.52.
- Turbin, M. V., Pallava, A. M., Smol'skaya, A. V. - Pollen as an object of genetic study. p.58.
- Zalashka, L. S., Samstalevich, S. A. - Growth and biomass accumulation by various yeasts on whey. p.63.
- Zimenka, T. H., Harnak, N. M. - Nitrogen fixation and group B vitamin formation by local Azotobacter strains. p.68.
- Laparevich, Z. V. - Effect of radiation on zinc and copper balance in the blood of patients with uterine cervix cancer. p.73.
- Malashka, U. I. - Comparative study of extero- and interoceptive effect on gamma aminobutyric acid content in cerebral hemispheres. p.76.
- Tropanka, H. K. - Effect of caffeine on conditioned and unconditioned reflexes in dogs of various types of higher nervous activity. p.80.
- Dziamidava, S. I., Kullin, I. A. T. - Effect of superhigh frequency radiation on content of intermediate glycolysis products in yeast cells. p.84.
- Stakhouski, I. A. V., and others. - Biological principles of preserving blood in plastic containers sterilized together with solutions by gamma rays. p.87.
- Valadz'ko, I. A. T. - Morphology of olfactory bulbs in artiodactylous mammals. p.95.
- Kukhmanuk, F. S., Petryna, N. F. - Effect of X and gamma rays on the development of Ocnieria dispar L. (Lepidoptera, Lymantriidae). p.98.
- Razumovich, A. N., and others. - Effect of "Ieofas" on the function of liver mitochondria in white rats. p.105.
- Ustinovich, A. K., Kisilev, D. A. - Deviation in the activity of some blood enzymes following lymphogranulomatosis in children. p.109.
- Aryamov, I. T. - Study of ectoparasites of rodents in the Minsk region. p.111.
- Hodnev, T. S., Siasenka, N. M., TSarova, R. I. - Valentin Mikhailovich Tsen'ev; on his 60th birthday. p.112.
- Summary of scientific work of academicians and member-correspondents of the Department of Biological Sciences of the Academy of Sciences of the White Russian S.S.R. p.116.
- Annual meeting of the Academy of Sciences of the White Russian S.S.R. p.126.
- Organizing White Russian Society of Geneticists and Breeders. p.127.
- ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII [ARCHIVES OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY]. Issued by Ministerstvo zdorovokh aneniiia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 52, no. 5, May 1967.
- Table of contents translated:
- Etinger, L. F. - Anatomy of the lymphatic system in the U.S.S.R. during 60 years. p.3.
- Poluevskii, A. I. - Effect of the level of the adrenocorticotrophic hormone of the hypophysis on regenerative processes in the adrenal cortex. p.17.
- Voloschenko, A. A. - Dynamics of glycogen in the tissues of developing secondary kidney in man. p.22.
- Semenchenko, I. U. P. - Morphological and histochemical characteristics of the tegmental epithelium of the pharynx in ontogeny and experiment. p.31.
- Dyban, A. P., Aktmeva, I. M. - Characteristics of embryogenesis of mammals in block of RNA synthesis; experiments with actinomycin D in rats. p.36.
- Ostroverkhov, G. E., Nikol'skii, A. D. - Prenatal and postnatal anatomy of the umbilical vein. p.51.
- Berlin, L. B., Kulakov, V. I., Sifonov, I. G. - Structure of gastric mucous membrane in healthy persons and young patients with gastritis; based on data of aspiration biopsy. p.57.
- Manukian, L. A. - Structure of the vascular nets of the synovial sheath of tendons of the tibial muscles. p.64.
- Kosmarskaya, E. N., Balashova, E. G. - Development of the endolymphatic sac. p.70.
- Pollakov, A. A. - Regeneration of intestinal epithelium in cultures in the body using F. M. Lazarenko's method. p.80.
- Liozner, L. D. - Physiological regeneration as a developmental process. p.83.
- Mikhailov, S. S. - 6th Morphological Congress in Bratislava, Czechoslovakia. p.91.
- Gerlovina, E. Sh., Rokhlin, G. D. - Review of the work of the 7th All-Union Congress of Anatomists, Histologists and Embryologists, Tiflis, June 6-13, 1966; conclusion. p.97.
- Scientific conference of morphologists of Kazakhstan. p.111.

- Spilkovskii, D.N., Vasil'eva, O. Z. - Some reactions of oriented deoxyribonucleoprotein structures to the change in the ionic composition and temperature of the medium. p. 549.
- Ivanov, I.D., Rakhieva, E.E. - Studying the processes of biopolymer complex formation by the method of adsorption polarography. p. 558.
- Lomazhikhin, B.K., and others. - Macromolecular structure of muscles fixed by different methods. p. 565.
- Dmitrieva, N.P. - Electron microscope study of changes in the mitochondrial structure in human cells affected by ultrasound. p. 571.
- Lidkovskaya, R.G., Pevzner, L.P. - Photoinduced contraction of stained frog muscles. p. 580.
- Savin, B.M., and others. - Analysis of the effect of the atmospheric nitrogen replacement by helium air on the development of chick embryos. p. 589.
- Gershuni, G.V., and others. - Electrical primary response of the cortex projection zone and time parameters of the external signal. p. 597.
- Krinskiy, V.I., Shik, M.L. - One model model problem. p. 607.
- Zonkin, G.M., Maksimov, V.V., Myzov, A.L. - Study of horizontal interaction on the level of slow bipolar cells of the retina of a frog. Report No. 1. Scattered light effect and some interaction properties. p. 612.
- Rainin, V.A. - Principle of serial coherence and determination of base sequences in code computations. p. 621.
- Komissarov, G.G., Nekrasov, Kobozov, N.I. - Localization of red maximum of chlorophyll absorption in a green leaf and in album leaf state. p. 625.
- Gilbova, Z.P., Katushina, L.P. - Two-quantum biochemical reaction of the formation of free radical in solid solutions of Mg-oltophyllin in ethanol in the presence of triplet state. p. 627.
- Magura, I.S. - Effect of alkaline earth metal ions on the resting potential of striated muscle fibers. p. 629.
- Kutmanov, V.G., and others. - Electrophysiological parameters of a plant under self-metallizing condition of water metabolism. p. 631.
- Trincher, K.S. - Nerve output of intracellular water in erythrocytes. p. 633.
- Archavskii, I.U.I., and others. - An example of complex periodic rhythm transformation in a nerve fiber with gradually changing properties. p. 634.
- Gurfinkei, V.S., and others. - Quantitative characteristics of the work of motor units under hospital condition. p. 638.
- Smolinov, V.V. - Change of rhythms in the heterogeneous chain of "neurons." p. 639.
- Orlov, A.N., Fishman, S.N. - Role of electrostatic forces in the mechanism of breaking DNA double helices. p. 640.
- Krot, I.U.N. - Erroneous interpretation of diffusion equation, concerning L.A. Liberman's article "Role of energetic barriers in the appearance of potential difference on the membrane." p. 644.
- BIOLOGIA V SHKOLU [BIOLOGY IN SCHOOLS].** Organ of Ministerstva prosvetitel'skoye (Ministry of Education of the R.S.P.S.R.) Moscow, no. 3, May-June 1987.
- BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL].** Organ of Vsesoyuznoye botanicheskoye obshchestvo (All-Union Botanical Society). Moscow, vol. 53, no. 5, May 1987.
- Table of contents translated.
- Tomling, H. - Relationship between photosynthesis, plant growth and geometrical foliage structure of vegetation and the solar radiation balance at various latitudes. p. 601.
- Pop, E. - Statistical and experimental study on photopneumatic movement in dandelion. p. 617.
- Goryshina, T.K., Kovaleva, T.A. - Seasonal temperature adaptations in early spring epiphytes of oak forests. p. 620.
- Gruzdevskaya, I.A., Zakharova, O.I. - Diagnostic significance of cytological characters in the taxonomy of some tree species as exemplified by the genus *Ulmus* L. p. 641.
- Lipshitz, S.U. - Review of the subgenus *Amphilaena* (Scheegl.) Lipsh. of the genus *Saxnauer* DC. p. 651.
- Zlobin, I.U.A. - Methodology in establishing similarity between phylogenies. p. 666.
- Kovaleva, T.A. - Use of telazolium in establishing summer dormancy rates in early spring epiphytes of oak forests. p. 670.
- Ushizhanina, L.A. - Winter and early spring phytoplankton in the Solonga River and the delta region of Lake Balkal. p. 672.
- Orintal, A.R. - Ecology of *Laminaria saccharina* (L.) Lamour. in the subboreal zone of Varyshnyaya and Zelenotskaya Bays, eastern Murman Coast. p. 675.
- Petrov, V.V., Safonov, V.P. - Occurrence of *Polypodium vulgare* L. in Moscow Province. p. 684.
- Nachova, T.I. - *Chrysosplenium* f., a new species in the Maritime Territory. p. 685.
- Kranitskaya, A.I., Petrova, V.I. - Some data on the structure of roots and stems of *Alpinia* in the mountain. p. 686.
- Tatishcheva, B.S. - Specificity of the structure of the roots of *Alpinia*. p. 690.
- Zakharovskii, D.A. - Assimilation of ^{14}C by the roots of *Alpinia* in the mountain. p. 690.
- Rudakov, I.G. - Remnants of the structure of the roots of *Alpinia* in the mountain. p. 690.
- Rosova, R.B. - Conception of the structure of the roots of *Alpinia* in the mountain. p. 690.
- N.V. Trifunovskaya - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Vasil'chenko, I.P. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Table of contents translated.
- Amshin, P.K., Kalyuzhny, V.I. - Analysis of the structure of the roots of *Alpinia* in the mountain. p. 690.
- Shimozhuk, V.M., Petrova, V.I. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Petrov, R.B. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Muskhelishvili, A.N. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Rakhavskii, G.G., Katushina, L.P. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Chernikova, R.A. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Zakharov, A.I. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Krot, I.U.N. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Shik, M.L. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Myzov, A.L. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Trincher, K.S. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Smolinov, V.V. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Orlov, A.N. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Krot, I.U.N. - The structure of the roots of *Alpinia* in the mountain. p. 690.
- Table of contents translated.
- Trincher, V.O., Rynduk, V.V., Tykhomirov, I.D. - Dynamics of the development of the structure of the roots of *Alpinia* in the mountain. p. 690.

***FIZIOLOGIYA RASTENIY [PHYSIOLOGY OF PLANTS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 14, no. 3, May-June 1967.

- Table of contents translated:
- Vakhmistrov, D.B. - Localization of free space of barley roots. p. 397.
- Avundzhian, E.S., and others - Study of bleeding sap of grapevine. p. 405.
- Brovchenko, M.I. - Some proof of sucrose cleavage during its translocation from the mesophyll to the thin bundles of sugar beet leaves. p. 415.
- Turkna, M.V., Sokolova, S.V. - Movement of sucrose through cell membranes of conducting tissues. p. 425.
- Pontovich, V.E. - Sugar uptake by sugar beet roots. p. 434.
- Kholodova, V.P. - Localization of sucrose in the tissues of storage roots of sugar beets. p. 444.
- Godnev, T.N., Shabel'skaya, E.F. - Effect of prolonged darkness on pigments and plastid apparatus in some sun and shade plants. p. 451.
- Aganitskaya, V.N., Muromtsev, G.S. - Comparative study of the physiological activity of five gibberellins. p. 458.
- Sinitskin, A.M., Brilikov, E.A. - Generation of potentialities in the plastids of incriminated and illies as related to the movement of stigmata and pollination. p. 463.
- TSinger, N.V., Petrovskaya-Baranova, T.P. - Callous pollen tube corks, their origin and physiological role. p. 477.
- Rostovtseva, Z.P. - Change in the cytophysiological state of the terminal meristem of barley shoots in relation to the transition to reproductive stage. p. 486.
- Genkel', P.A., Badanova, K.A., Andreeva, I.N. - Significance of respiration for the water content of plant cells under drought conditions. p. 494.
- Zholkevich, V.N., Rogacheva, A.I.A. - Effect of respiratory inhibitors on oxygen requirement by wilting plants. p. 500.
- Sedykh, N.V., Kuznetsova, L.P. - Effect of drought on the structure of cytoplasmic proteins in plant leaves as studied by dielectric superhigh frequency technique. p. 507.
- Krasavtsev, O.A. - Resistance of hardened woody plants to dehydration at low temperatures. p. 512.
- Tumanov, I.I. - Physiological mechanism of frost resistance in plants. p. 520.
- Chuvpov, P.P. - Effect of light orientation of seeds on germination rate and growth pattern. p. 540.
- Rodionov, V.S. - Intensity of total oxidizable of C¹⁴ assimilates on respiration and translocation from leaves of different beet and tomato varieties. p. 544.
- Razmaeva, I.I. - Diurnal rhythm of nitrogen metabolism in plants. p. 540.
- Kharanin, N.N. - Effect of 2-chloroethyltrimethyl ammonium chloride on water balance in plants. p. 548.
- Vaidya, T., Sarapu, L. - Diurnal dynamics of phloridzin and flavonol content in apple tree shoots. p. 551.
- Lebedev, G.V. - Recording press centrifuge for fractional extraction of water and water-soluble substances from plant and animal tissues. p. 555.
- Kaplanchuk, V.A., Natsik, V.I., Semenov, A.G. - Present and future development of photosynthesis research in the Ukraine. p. 562.
- Zenon Iosifovich Zhubril'skiy; on his 70th birthday p. 565.

***GENETIKA [GENETICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1967.

- Table of contents translated:
- Pisarev, V.E. - Winter wheat to the East. p. 3.
- Ivanov, V.I., Sanina, A.V., Timofeeva-Resovskaya, E.A. - Radiation genetics of *Arabidopsis thaliana* (L.) Heyn. Report No. 2. Survival and fertility of G₁-generation after irradiation of dormant seeds. p. 18.
- Fadeeva, T.S. - Problems of comparative plant genetics. Report No. 5. Variation of cell size in strawberry species and experimental polyploids. p. 24.
- Zhukovskiy, P.M. - Plant heterosis and phylogenetic sterility as evolutionary phenomena in nature. p. 33.
- Akoplan, E.M. - Effect of different ionizing radiation types on the initiation of chromosome aberrations in peas. Report No. 1. Postirradiation recovery. p. 45.
- Vinkler, G.N., Smyslova, G.I. - Discovery of a natural autotetraploid system. p. 52.
- Bochkov, N.P., and others. - Population and geographical aspects in studying chromosome diseases in man. Report No. 1. Spontaneous level of sex chromosome anomalies. p. 57.
- Mikheev, A.-V.N., Talvik, T.A., Sitska, M.E. - Ring-shaped chromosome 18 in relation to innate anomalies. p. 63.
- Dzhemilev, Z.A. - Radiosensitivity of chromosomes of human peripheral blood leucocytes at different stages of mitotic cycle. p. 67.

- Filippov, I.U.I., Rigmant, E.G. - Combination of triplo-X syndrome and schizophrenia. p. 79.
- Kerkis, I.U.I.A., and others - Chromosomal abnormalities in the peripheral blood leucocytes of acute endemic hepatitis patients. p. 85.
- Tikhonova, M.M., Dzhimeli, A.A., Bellatskaya, O.I.A. - Genetic aftereffects of X rays as related to temperature balance. p. 92.
- Vatli, K.V., Tikhonova, M.M. - Comparative analysis of spontaneous aneuploidy in male and female *Drosophila*. p. 105.
- Aisen'eva, M.A., and others. - Effect of thiotriethyl-ene-phosphoramide on marrow cell nuclei and gonads in mice. p. 111.
- Danilechenko, V.V. - Infection of lysozyme spheroplasts with isolated DNA from bacteriophage T7. p. 122.
- Kiylov, V.N., Altkhanlan, S.I., Morozova, I.S. - Circular genetic map of bacteriophage T4D. p. 128.
- Bresler, S.E., Kalinin, V.L., Perumov, D.A. - Inactivation and mutagenesis on isolated DNA. Report No. 1. Theory of transforming DNA inactivation. p. 133.
- Gendon, I.U.Z., Marchenko, A.T. - Effect of polynucleotide virus cultivation conditions on mutations based on "guanine" character. p. 143.
- Mirluta, O.K. - Problems of selective fertilization in plants. p. 148.
- Fursov, V.N., Konopla, S.P. - Induced mutations in extreme branching type fine-fiber cotton. p. 162.
- Zasukhina, G.D., Marintu, V.P. - Mutations of the western equine encephalomyelitis virus (WEE) induced by chemical mutagens. p. 166.
- Iashina, I.M. - Tat'iana Vasil'evna Aseeva. p. 169.
- Bibliography of foreign literature on genetics (January 1967) p. 171.

GIDROBIOLOGICHESKIY ZHURNAL [HYDROBIOLOGICAL JOURNAL]. Organ of Oldelene obshchey biologicheskoy Akademii nauk Ukrainy SSR [Department of General Biology of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 3, 1967.

- Table of contents translated:
- Vladimirov, V.I. - Ichthyological studies on freshwater waters of the Soviet Ukraine in last 50 years. p. 3.
- Anishechenko, E.I.A. - Quantitative distribution of heterophilic bacteria in the Red Sea and Gulf of Aden during fall season. p. 14.
- Zharova, T.V., Pygunkova, R.V. - Biology of filamentous bacteria in swelling silt. p. 21.
- Eggert, M.B. - Seasonal changes in planktonic infusorians of the Selenga region of Lake Balkal. p. 28.
- Pidgal'ko, M.L. - Characteristics of zooplankton and zoobenthos in Ukrainian ponds. p. 35.
- Liakhov, S.M. - Benthos in Gorkiy, Kibyshev and Volgograd Reservoirs. p. 42.
- Tulunov, S.K., Vorob'ova, N.D., Samonov, A.M. - Changes in benthos and fish feeding habits in Lake Balkhash as related to the acclimatization of mysids. p. 48.
- Zalutskiy, S.G. - Distribution of some young semimigratory fishes in the Dniester-Bug Liman and the forecasting of its change in connection with possible salinization. p. 55.
- Dumova, A.M. - Zooplankton of the Ural River near Orenburg. p. 63.
- Martynova, E.G. - Benthos of the Ural River near Orenburg. p. 66.
- Krylova, A.G. - Salt resistance of *Calanipeda aquaducta* Krasskei, from the Kizilash Liman. p. 69.
- Kovalov, A.V. - Size composition of planktonic Copepoda at different depths of the Black Sea. p. 74.
- Shil'ko, A.A. - Variation of *Limnocalanus* (Mollusca, Gastropoda) of the Kola Peninsula. p. 77.
- Shorstuk, V.V. - Role of *Rana ridibunda* Pall. in spawning grounds. p. 80.
- Koval', L.G., Rozongurt, M.Sh., Tolmazin, D.M. - Effect of tidal phenomena on plankton and pelagic fish dynamics in the northwestern part of the Black Sea. p. 82.
- Zata, V.I. - Eleventh Congress of the International Association of Hydraulic Research, Problem of sewage discharge. p. 88.
- Drachuk, L.P. - Methodological conference at the State Scientific Institute of Lake and River Fisheries. p. 92.
- Zhadin, V.I., and others. - In memory of Sof'ia Grigor'evna Lopneva, 1893-1966. p. 94.

IUNYI NATURALIST [YOUNG NATURALIST]. Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo komunisticheskogo soyuza molodezhi i Tsentral'nyi sovet Vsesoyuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, no. 7, 1967.

- *MIKROBIOLOGIYA [MICROBIOLOGY].** Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 36, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Shaposhnikov, V.N., Isaeva, V.S. - Biosynthesis of free amino acids by *Protos vulgaris* MK on media with organic acids. p. 197.

- Ivanov, I.D., and others. - Reduction of molecular nitrogen in model systems. p. 205.
- Chalkovskaya, S.M., Makarova, R.A. - Liberation of extracellular penicillinase in the process of the enzyme induction in penicillinase producing cultures. p. 210.
- Blagodat'skaya, V.M., Odintsova, E.N. - Growth promoting substances requirement by yeast of the genus *Hanseniaspora*. p. 216.
- Paritskaya, A.N. - Relationship between competence state and certain growth phase in *Bacillus subtilis* culture. p. 222.
- Andriuk, E.I., Kogan, S.B. - Synthesis of group B vitamins by soil actinomycetes. p. 227.
- Levchuk, T.P., Kolesnik, L.V., Lezinov, A.B. - Isolation, purification and some properties of cytochrome c from *Pichia polymorpha*. p. 233.
- Borisenko, E.G. - Autolysis in hydrocarbon-oxidizing yeast of the genus *Candida*. p. 240.
- Elizarova, T.N. - Utilization of some amino acids by *Pseudomonas pyocyanica* II in relation to their molecular weight and electrical charge. p. 243.
- Krisas, A.E., Mityukov, I.N. - Effect of nutrient medium on tolerance of barotolerant bacteria to high pressures. p. 247.
- Ivanova, I.I., Sakharova, Z.V., Ierusalimskii, N.D. - Chemical cell composition in continuous *Bacillus megaterium* culture. p. 253.
- Noronova, N.M., and others. - Growth characteristics in *Propionibacterium shermanii* studied by short-term continuous cultivation method. p. 259.
- Karasovich, I.U.N., Bulenko, S.A. - Determining L-aspartic acid β -somialdehyde dehydrogenase activity in *Mycobacterium album*, strain 13. p. 264.
- Kuznetsova, I.V. - Properties of sensitive and resistant *Bacillus idiosus* cultures to novobiocin. p. 267.
- Kirillova, N.F. - Effect of iron compounds on pigment formation in red-orange actinomycetes. p. 274.
- Kalabukhina, L.V., Duzhn, M.I. - Enzymatic activity of intact conidia of actinomycetes. p. 279.
- Kapitonova, O.N., Jordan'skiy, A.B. - Radioautographic study of the reproduction of nuclear elements in *Actinomyces antracis*. p. 284.
- Kochkina, Z.M., Rautenfeldt, I.A.I. - Preparation and nucleic acid base composition of actinophage of *Actinomyces streptomycini* Kras. p. 290.
- Golub, E.I., Nazarenko, V.G., Smolnikov, V.V. - Effect of chloramphenicol on RNA synthesis in bacteria adsorbing phage shells. p. 294.
- Stefanov, S.B., Gubrilovich, I.M. - Morphology of *Klebsiella aerogenes* phages. p. 298.
- Duda, V.I., Singer, M., Krasil'nikov, N.A. - Antimicrobial properties of anaerobic sporeforming bacteria. p. 302.
- Konev, I.U.E., and others. - *Micrococcinospira* gen. nov., a new genus of actinomycetes. p. 309.
- Ginsanov, M.V., Sholkhet, P.A., Alanosian, G.Z. - Changes in ground solutions following organic matter decomposition in modern bottom sediments. p. 318.
- Arslanovskiy, T.V., Daragan, A.I.U., Parinkina, O.M. - Study of microbial soil picture as a means of investigating soil processes. p. 327.
- Mikhailovskiy, L.E. - Content of anaerobic nitrogen-fixing bacteria of the genus *Clostridium* in reservoirs of middle Dniester River and oxidation-reduction conditions of the medium. p. 333.
- Khak-mun, Ten. - Micro-organisms oxidizing iron and manganese in soils of southern Sakhalin. p. 337.
- Kalininskaya, T.A. - Methods of isolation and cultivation of nitrogen-fixing microbial associations. p. 345.
- Fateeva, M.V. - Viability of yeast cultures after storage in vaseline oil. p. 350.
- Golomazki, A.I., Kovalenko, K.P., Brimisev, I.A.V. - Modification of Winkler's method for determining dissolved oxygen content in acid solutions. p. 355.
- Gabo, D.R. - Simplified capillary microseparator MS-6. p. 361.
- Lev Aleksandrovich Zilber; an obituary. p. 374.

***MOLEKULARNAYA BIOLOGIYA [MOLECULAR BIOLOGY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 1, no. 1, Jan.-Feb. 1967.

- Table of contents translated:
- Slavchev, D.D. - Antibody biosynthesis in vitro in cells of nonimmune animal spleen induced by homologous RNA fractions from immunized donors. p. 3.
- Lerman, M.I., and others. - Self-assembly of ribosome-like particles in vitro from chloromycetin particles and certain fraction of ribosome protein. p. 12.
- Kurganov, B.I. - Kinetic method of the calculation of constants of molecule protein associations. p. 17.
- Torchinskii, I.U.M., Litvanova, N.B., Pikhel'skiy, V.I.A. - Circular dichroism and dispersion of optical rotation of muscle phosphorylase b. p. 28.
- Gurvich, A.E., Skvortsov, V.T. - Effect of light and heavy gamma globulin chains on synthesis of antibodies and non-specific gamma globulins in vitro. p. 35.
- Cherkasov, I.A., Kravchenko, N.A., Kaverzova, E.D. - Isolation and purification of lysozyme by fractionation in cation-exchanging column. p. 41.

- Kravchenko, B. A., and others. - Photooxidation of *hydroxime* in the presence of methylene blue and isolation of modification products. p. 17.
- Gol'dshstein, M. V., Gol'dshstein, B. M., Stefanov, V. F. - Graphic method for studying transient enzymatic reactions. p. 52.
- Ischiguro, V. B., Gavrilova, V. A., Olovianishnikova, G. D. - Reversible photooxidation of bacteriorhodopsin resulting in the formation of electrode-active form. p. 59.
- Perezin, I. V., and others. - Inhibiting effect of borates on three-phase reaction of hydrolysis by α -chymotrypsin of nonspecific substrates. p. 67.
- Resaganov, I. U. M., Lazurkin, I. U. S. - Sedimentation method for studying DNA binding with low-molecular substances and some proteins. p. 75.
- Shmerling, Zh. G. - RNA synthesis in *Rana temporaria* oocytes following unication. p. 83.
- Zograf, I. U. N., Nikiforov, V. G., Shmelkin, M. F. - Effect of DNA synthesis on the regulation of mRNA formation in *Escherichia coli* B cells infected with T-even phages. p. 94.
- Gershonovich, V. M., and others. - *Escherichia coli* K₁₂ mutant with damaged systems of glucose utilization. p. 104.
- Moskharov, B. K. - Functional heterogeneity of mitochondria in normal and tumor cells. p. 114.
- Kiselev, L. L., Frolova, L. I. U., Aleksandrova, N. M. - Participation of anticodons in the acceptor function of transfer RNA. p. 123.
- Samarina, O. P., and others. - Nuclear ribonucleoproteins, containing mRNA (isolation and some properties). p. 129.
- Beridze, T. G., Odintsova, M. S., Siakian, N. M. - Distribution of DNA components of bean leaves in fractions of cellular structures. p. 142.
- Pakhshina, E. V., Bystryova, M. I., Krasnovskii, A. A. - Effect of light of photophosphorylation of chlorophyll and its analogs. p. 154.
- Trifonov, E. N., Lazurkin, I. U. S., Frank-Kamenetskii, M. D. - Effect of formaldehyde on DNA denaturation. p. 164.
- Vol. 1, no. 3, May-June 1967
- Table of contents translated
- Zav'del'skii, G. B., Li, L. - Circular dichroism of transport RNA oligonucleotides. p. 323.
- Kanova, O. L., Knorre, D. G., Malgin, E. G. - Specific cleavage of tRNA, modified by water-soluble carbodiimide, on cytidylic acid residues. p. 335.
- Kuprievich, V. A., Danilov, V. I., Shramko, O. V. - Excited states of Watson-Crick pairs of DNA bases. p. 343.
- Kosagorov, I. U. N., Lazurkin, I. U. S., Sidorenko, N. V. - Stabilizing and destabilizing effects of ribonuclease on the DNA double helix. p. 352.
- Bystryova, M. I., Krasnovskii, A. A. - Study of aggregated forms of chlorophyll and its analogs in relation to structural characteristics of pigment molecules. p. 362.
- Gonikberg, E. M., and others. - Kinetic study of enzymatic xanthine oxidation in the presence of polyphenols. p. 373.
- Cherkasov, I. A., Kravchenko, N. A. - Study of the relationship between the formation of enzyme-substrate complex of lysozyme with chitin and the conditions of environment. p. 381.
- Bresler, S. E., and others. - Problem of separation of complementary DNA strands. p. 391.
- Drozdova, N. N., Krasnovskii, A. A. - Comparative study of fluorescence quenching of chlorophyll and its analogs in solutions and chloroplasts. p. 395.
- Grigorov, L. N., Polikova, M. S., Chervavskii, D. S. - Model study of trigger systems and differentiation process. p. 410.
- Chervavskii, D. S., Khurgin, I. U. I., Shmol', S. E. - Elastic deformations of protein-enzyme. p. 419.
- Berzina, I. V., and others. - Relationship between borates and imidazole group of histidine residue in active α -chymotrypsin center. p. 425.
- Bass, I. A., Zograf, I. U. N., Khesin, R. B. - Derepression of nucleic acid synthesis following destruction of bacteria. p. 438.
- MOSKOVSKOE OBNCHESTVO ISPYTATELEI PRIMODY. Bulletin. Otdel biologicheskii MOSCOW NATURALISTS SOCIETY. Bulletin, Biological Section. Moscow, new series, vol. 72, no. 2, Mar.-Apr. 1967.
- Table of contents translated
- Gruzdev, V. V. - Forecasting marine rodent population in agricultural districts of the U.S.S.R. p. 5.
- Kozakevich, V. P. - Ascorbic acid content in the adrenal glands and some ecologic and physiological characteristics of lesser suetika. p. 12.
- Kapitonov, V. I. - New data on the biology of lemming-like field mice in the Kharaulakh Mountains of Yakutia. p. 17.
- Drapkin, E. I. - Species and some biological problems of dragonets (*Pisces*, *Callionymidae*) of the Black Sea. p. 22.
- Petrova, A. D. - Mites of the family Parholaspidae Krantz, 1950 (Parasitiformes, Gamasoidea) from the Soviet Union. p. 38.
- Mirkin, B. M. - Problems of the dynamics of biogeocenoses in river floodplains. p. 58.
- Kamyshov, N. S. - Watershed sphagnum bogs of the Oka-Don Lowland. p. 66.
- Goncharova, E. V., Krylova, I. L. - Anatomical and morphological characteristics of some Ornithogalum species in relation to the taxonomy of the genus. p. 76.
- Martianova, A. I. - Effect of pollination method on seed production and quality of the field bean. p. 83.
- Zelichuk, T. K., Geleml, S. A. - Effect of water extracts of plants on seed germination and early growth of meadow grasses. p. 93.
- Timofeev-Resovskii, N. V., Tjurukanov, A. N. - Biogeocenology and soil science. p. 106.
- Sukhanov, V. B. - Materials on the locomotion of terrestrial vertebrates. Report No. 1. General classification of symmetric galls. p. 118.
- Pobedimova, E. G. - Additional list of publications of Professor Boris Konstantinovich Shishkin, member-correspondent of the Academy of Sciences of the U.S.S.R. p. 135.
- Puzanov, I. I. - In memory of A. D. Noidman, 1803-1886. p. 139.
- Brief news. p. 144.
- Addenda. p. 149.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshego shkol'no, biologicheskii nauk [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Biological Sciences]. Moscow, vol. 10, no. 1(40), 1967.
- Table of contents translated
- Konstantinov, A. S. - 50 years of Soviet hydrobiology. p. 5.
- Shileiko, A. A. - Some new and little-known mollusks of Talish. p. 24.
- Fedoseeva, L. L. - Fauna of *Meromyza* Mg. in North America. p. 33.
- Samorodov, A. V. - Mammals of Kara-Bogaz-Gol, northwestern Ustyurt, Mangyshlak and Buzachi regions. p. 35.
- Bernatskii, V. G., Petrova, E. A. - Reproduction of African hunting dog (*Lycanopithecus*) in captivity. p. 42.
- Gusel'nikov, V. I., Gusel'nikova, K. G., Voronkov, G. S. - Rhythmic fluctuations of brain electrical activity in vertebrates. Report No. 1. Rhythmic fluctuations of the electrical activity of olfactory analyzer in vertebrates. p. 45.
- Ponomareva, G. V. - Cholesterol content in the organism of cow and its fetus. p. 59.
- Kudrashov, I. U. B., and others. - Free histamine content changes in tissues of rats irradiated with high-energy protons, gamma rays and fission neutrons. p. 61.
- Kozlov, I. U. P., Danilov, V. S., Arkhipov, A. S. - Free radicals processes in cell organelles of irradiated animals. p. 64.
- Kondorskaia, V. R. - Morphology of staminate flower and development of male gametophyte in sea buckthorn. p. 69.
- Petrov, V. V. - Biology of root offshoot in aspen. p. 76.
- Shabarov, A. A. - Soil penetration by oak roots at its southern range. p. 80.
- Itatkin, L. M. - New Oligocene flora from western Kazakhstan. p. 83.
- Narzikulov, A. N. - Effect of complex microfertilizers on photosynthesis intensity in cotton. p. 88.
- Maklakova, E. M. - Effect of microelements on the development of black currant infected with doubling. p. 90.
- Timashov, N. D., Volkova, V. S. - Effect of boron deficiency on S³²-methionine incorporation into proteins of cytoplasmic structures of sunflower. p. 93.
- Bereznevskaya, L. N., Bubenchikov, A. A. - Biochemical changes in *Adonis vernalis* L. seeds during their preparation for germination. p. 97.
- Pakhomova, M. V., Iurlina, E. V. - Changes in amino acid composition of bulk protein in *Asteromonas gracilis* Artar in relation to nitrogen nutrition. p. 101.
- Lutskanov, N., Antonov, A. S. - Dynamics of 5-bromouracil incorporation into DNA of thymine-deficient *Escherichia coli* strain. p. 105.
- Bagdadi, V. Kh. - Antagonistic properties of fungi isolated from some Syrian soils. p. 108.
- Abdel-Rehman, M. A. - Black leg of potatoes in the United Arab Republic. p. 114.
- Kuznetsov, M. S. - Effect of the cohesion of soil grains on anterosive stability of light chesnut soils of Yergeni Hills. p. 117.
- Vasil'evskaya, V. D., Petrova, V. N., Stefanova, V. - Boron and zinc content in soils of Smolensk Province. p. 124.
- Sviridov, A. S. - Cultivation of soil binding forest plants in the forest steppe. p. 128.
- Fedorov, V. D., Maksimov, V. N. - Study of primary productivity processes in bodies of water by the method of designed addition of biogenic elements. p. 132.
- Brodskii, V. I. A. - Physiological regeneration as a cytological problem. p. 143.
- New books. p. 158.
- TSITOLOGIA I GENETIKA [CYTOLOGY AND GENETICS]. Issued by Otdelenie obshchestvennoi biologii i Otdelenie biologicheskii i fiziologii Akademii nauk Ukrainsskoi SSR [Department of General Biology and the Department of Biochemistry, Biophysics, and Physiology of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, no. 3, May-June 1967.
- Table of contents translated:
- Zosimovich, V. P. - Interspecific hybridization of *Ikla vulgaris* L. (2n=18) x *Ikla lomatozona* F. et M. (2n=18). p. 5.
- Matienko, B. T., Sidorenko, P. G. - Modern trends in electron microscopic studies of plant cells and tissues. p. 16.
- Savchenko, M. L. - Microsporogenesis and development of pollen grains in winter wheat lines with cytoplasmic male sterility. p. 28.
- Golynskaya, E. L., and others. - Possibility for heterosis prognosis based on the study of hybrid embryos in corn. p. 31.
- Makhanets, I. A., Lysluk, L. P. - Two species types in diploid and tetraploid rye and quantitative cytophotometric study of their DNA. p. 51.
- Berdyshev, G. D., and others. - Nucleotide composition of DNA in somatic tissues of spawning humpback salmon. p. 56.
- Dutko, V. P. - Obtaining a line from transplanted liver cells in Black Sea *Mytilus galloprovincialis* L. p. 61.
- Trofimenko, A. L. - Cytochemical and morphological differences in boar sperm. p. 65.
- Matibroda, N. N., Vinnichuk, D. T. - Fertility of milk yield and percentage of milk fat in cows of a breeding farm herd. p. 69.
- Geraschenko, Z. S. - Karyotype of *Yponomeuta robellus* Hb. (Lepidoptera, Yponomeutidae). p. 70.
- D'iakov, I. U. T. - Genetic regulation of superovulation in plants. p. 81.
- Berdyshev, G. D. - Some trends in modern molecular Biology. p. 93.
- UKRAINSKYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Institut botaniky Akademii nauk URSR [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 24, no. 2, Mai.-Apr. 1967.
- Table of contents translated
- Parshykov, V. M., Ivodzykova, A. T. - Effect of illumination on metabolic processes in corn at different levels of nitrogen, phosphorus and potassium nutrition. p. 3.
- Protsko, R. F., Zubrytska, T. V. - Effect of gibberellin on carbohydrate content in *Helianthus tuberosus* L. p. 9.
- Modylevskyi, I. A. S., Dziubenko, L. K. - Characteristics of heterostyly in *Pulsatilla officinalis* L. p. 15.
- Kordium, I. E. L. - Embryology of *Coeleplectonum gmelini* (DC) Lab. p. 23.
- Sydorenko, P. H., Nedukha, O. M. - Electron microscopy of plant tissues and cells cultivated in vitro. Report No. 2. Ultrastructure of some tissue and callus cultures. p. 33.
- Kolishchuk, V. I., Berkov, I. M. - Pine spruce growth and climate fluctuations in the Ukrainian Carpathians. p. 39.
- Shevchenko, S. V. - Characteristics of spruce trunk increment in root rot foci. p. 43.
- Tkachenko, V. S. - Forest vegetation of the floodplain of the Northern Donets River. p. 55.
- Kuz'mychev, A. I. - Forests of the Volyn' forest plateau. p. 61.
- Panova, L. S. - Vegetation of granite outcrops in the Kamennyi Mogilyi Preserve. p. 67.
- Slabirai, S. V. - Study of the Neogene flora in the Transcarpathian Ukraine. p. 72.
- Palamar-Mordynskaya, H. M. - Mass culture of *Chlorella* under conditions of Kiev. Report No. 1. Laboratory experiments. p. 70.
- Koval', E. Z., Hrabentuk, M. V. - *Melanospora parasitica* Tul., a secondary parasite of the fungus *Beauveria bassiana* (Bals.) Vuill. of the Ukraine. p. 65.
- Duda, V. V. - Natural place of growth of *Alnus incana* (L.) Moench. near Sumy. p. 87.
- Prokudin, I. U. M. - Critical revision of new species described in the flora of the Ukrainian S.S.R. p. 88.
- Popov, K. P. - Critical notes on some species of bed straw in Crimea. p. 94.
- Shepeot'lov, F. L., Obratsov, I. E. M. - Conference on apomixis problems in plants. p. 103.
- Blum, O. B. - Scientific activity of the Institute of Botany of the Academy of Sciences of the Ukrainian S.S.R. in 1966. p. 105.
- Vol. 24, no. 3, May-June 1967.
- Table of contents translated:
- Holod, M. H. - Chlorophyllase activity in relation to protochlorophyll. p. 3.
- Mel'nychuk, H. H. - Study of peroxidase and polyphenoloxidase activity in the aerial organs of *Consolida arvensis* (L.) Opiz. p. 8.
- Kovalenko, A. P. - Some characteristics of the growth and development of pronema of *Funaria hygrometrica* Hedw. p. 13.
- Mushak, P. O. - Effect of illumination on *Chlorella vulgaris* Beyer, culture. p. 18.

- Medynets', V. M. - Relationship between aerial vegetative and generative plant organs depending upon dry mass accumulation level. p. 22.
- Kushchenko, H. I. - Embryological study of *Scopolia lurida* Dun. grown in Kiev. p. 26.
- Kordium, I. E. L. - Embryology of *Hippomarathrum caspium* (D.C.) Grossh. (family Umbelliferae). p. 33.
- Shevitsov, I. A. - Morphological characteristics of leaves of the polyploid sugarbeet hybrids. p. 41.
- Prokudin, I. U. M. - Occurrence of *Elytrigia hololoides* (Kar. et Kir.) Nevski in the Ukraine. p. 46.
- Duboviyk, O. M., Tkachenko, V. S. - Some new and rare plants of the southeastern Ukraine. p. 50.
- Palamar-Mordvyntseva, H. M. - Mass culture of *Chlorella* produced in Kiev. Report No. 2. Open-air cultivation. p. 55.
- Asaul, Z. I. - New forms of the genus *Trachelomonas* Ehrh. p. 62.
- Kondrat'eva, N. V. - "Explosive" cell destruction in planktonic *Anabaena* species. p. 66.
- Sheilah-Sosonko, I. U. R., Kuz'myehov, A. I. - Flood-plain meadows of the Goryn' River. p. 74.
- Slobodan, M. P. - Notes on modern natural distribution of some higher plant species in the Volga Valley near Kostroma. p. 81.
- Tkachenko, H. V., Shpakova, V. M., Sokolova, N. I. - Acclimatization of *Cedrus deodora* Loud. in the Odessa Botanical Garden. p. 88.
- Smits'ka, M. F., Smyk, L. V. - New occurrence of *Morchella hybrida* (Sow.) Pers. in the Ukraine. p. 92.
- Dmytrashko, P. I. - Valuable raw material for the pulp and paper industry. p. 93.
- Krykuneis', V. M., Starchonkov, I. U. P. - Device for studying symbiotic nitrogen fixation. p. 95.
- Bronzait, B. D. - Measuring units of the basic parameters characterizing algal cultures. p. 96.
- Prokudin, I. U. M. - Ukrainian intercollegiate conference on the development of biological sciences in universities and teachers' colleges of the Ukrainian S.S.R. in the years of the Soviet rule. p. 105.
- Sydoranko, P. H., Chopyk, V. I. - Work of the Ukrainian Botanical Society in 1969. p. 108.
- *USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY].** Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 52, no. 3, Nov.-Dec. 1961.
- Table of contents translated:
- Delousova, A. K. - Biochemical approaches to the development of tumor chemotherapy methods. p. 241.
- Narlikashvili, S. P. - Cortical regulation of functions of the reticular formations of the brain. p. 257.
- Dmitriev, A. S. - Physiological mechanism of time perception. p. 274.
- Fridenshteln, A. I. A. - Morphological aspects of modern immunity theories. p. 291.
- Kosikov, K. V. - Hybridization and the sexual process in micro-organisms. p. 307.
- Bukin, V. N. - Current problems of vitamin nutrition of farm animals. p. 321.
- Kontukhov, B. V. - Models of hereditary diseases. p. 320.
- Dravitsky, V. A. - Philosophical problems of the theory of form development and hereditary information. p. 347.
- Rosin, I. A. - K. S. Trinehor's "Host-forming function and the alkali reaction in lung tissue." p. 362.
- Engelgardt, V. A. - Review of world biochemical science. p. 364.
- Vol. 63, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Shapiro, N. I. - Mutagenesis and carcinogenesis. p. 163.
- Kurtain, I. T., Boloudinskii, V. K. - Corticovisceral biochemistry as one of steps in further developing physiology and pathology of corticovisceral relationships. p. 184.
- Challakhian, M. Kh. - Internal factors in flowering of plants. p. 202.
- Avundzhian, E. S. - Metabolism of nicotine alkaloids in plants. p. 232.
- Smirnov, G. D. - Ultrastructure of synapses and the problem of synaptic transmission. p. 249.
- Borecky, L., Blaskovic, D. - Formation and action mechanism of interferon. p. 261.
- Safonov, V. A. - Nerve and reflex mechanisms of respiration regulation following excessive intrapulmonary pressure. p. 272.
- Udel'nov, M. G., Kulagina, V. P. - Modern theories on the mechanism of vasoconstrictive and vasodilative neural effects. p. 289.
- Ruban, E. L., Konova, I. V., Lycheva, S. I. - Ninth International Congress of Microbiology. p. 309.
- Pollanovskii, O. L. - Second International Symposium on Chemistry and Biology of Pyridoxal Catalysts. p. 318.
- UZBEKSKII BIOLOGICHESKII ZHURNAL [UZBEK BIOLOGICAL JOURNAL].** Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.], Tashkent, vol. 11, no. 2, 1967.
- Table of contents translated:
- Sultanov, A., and others. - Electron-donor and electron-acceptor properties of goosypol. p. 3.
- Atakhanova, B. A., Turakulov, I. A. Kh. - Nucleotide composition of bulk and ribosome RNA in tissues of normal thyroid gland and following nodular euthyroid goiter. p. 7.
- Nikoluk, V. F., Tapil'skaya, N. V. - Role of soft *Amoeba albida* in cotton wilt control. p. 11.
- Kuliev, D. - General amount and biomass of bacteria in water of some Dniebu limans. p. 15.
- Rakhmanov, R. R. - Use of succinic acid in cotton growing of Uzbekistan. p. 18.
- Enileev, Kh. Kh., Inogamova, M. T. - Effect of salinity differences on water uptake and germination energy in cotton seeds. p. 23.
- Abdullaev, D. V., Rish, M. A. - Age-related differences in copper and zinc balance in Karakul sheep. p. 26.
- Kurmukov, A. G. - Electromyographic study of uterus activity. p. 30.
- Kadyrov, B. V. - Changes in circulating blood and extracellular fluid following stimulation of digestive tract mechanoreceptors at high temperatures. p. 34.
- Khaddarov, K. - Main plant associations in the southwestern part of Nuralau. p. 38.
- Shamslov, G. Sh. - Effect of day length and changing light balance on development of dormancy period in seeds of Leningrad pigweed of II and VI morphological groups. p. 42.
- Mambelzhanev, A. M. - Biology of argali reproduction in Ustyurt. p. 45.
- Kilueva, S. G. - New research methods in animal classification. p. 49.
- Iakhonov, B. V. - Isolation of antigenic polysaccharide from common liver fluke. p. 53.
- Ta'akanov, S. G., Mughshova, E. F. - Resistance of wheat varieties from Italy and San Marino to lodging. p. 56.
- Abdullaev, A. - Form development in *Gossypium baybansense* L. *X Gossypium hirsutum* (Lam) Maur hybrids. p. 62.
- VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY].** Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 7, no. 3(44), 1967.
- Table of contents translated:
- Krozhin, E. M. - Materials on *Oncorhynchus nerka* Walb. in Lake Dal'noye (Kamchatka). p. 433.
- Aslanov, L. P., Samanava, L. I. - Morphology of *Vimba vimba carinata* (Pal.) acclimatized in Songileyskaya Reservoir of Stavropol Territory. p. 448.
- Neolov, A. V. - Taxonomic position of *Porocottus japonicus* Schmidt. p. 458.
- Babalan, K. E., Krotov, A. V., Starushenko, L. I. - Effect of gray mullet rearing farms on gray mullet stock in the sea. p. 463.
- Troitskii, S. K. - Significance of Kuban' Liman spawning grounds for the reproduction of *Lutoperca lutoperca* L. p. 474.
- Gluzburg, I. A. I. - Role of egg consumers in lowering the efficiency ofurgeon spawning after the regulation of Volga River near Volgograd. p. 480.
- Kovalevskaya, N. V. - Materials on the development of *Pareucottus brachypterus brachypterus* (Rich.) (Exocoelidae, Pisces). p. 491.
- Shpilovskaya, G. V. - Growth and maturation characteristics in *Abramis ballerus* L. of Volgograd Reservoir. p. 496.
- Evtukhova, B. K. - Feeding habits of *Pereca fluviatilis* L. in the coastal submerged system of Lake Balkal. p. 500.
- Asman, A. V. - Effect of the density of carp stocking on the relationship between species and population of vertebrates in fishponds. p. 513.
- Surkov, S. S., Surkova, E. I. - Some materials on migrating *Oncorhynchus keta* (Walb.) acclimatized in the basin of Barons and White Seas. p. 526.
- Polulov, I. A., Pasliakov, E. I. - Migration of flatfish in the coastal waters of Kamchatka. p. 529.
- Girsa, I. I. - Characteristics of the motor reflex in the attraction of fish to light. p. 540.
- Luk'inyenko, V. I. - Physiological aspects of the effect of industrial waste poisons on fish. p. 547.
- Konstantinov, A. S. - In memory of Aleksandr Nikolaevich Lipin. p. 563.
- Fedorov, V. V. - Occurrence of deep-sea *Emmaseichthys bathybius* (Gilbert, 1891) (Pleuronectidae, Pisces) in the Bering Sea. p. 569.
- Novikov, A. S. - Occurrence of the Pacific herring *Clupea harengus* Pallas in the East Siberian Sea. p. 570.
- Podarueva, Z. S. - Hermaphroditism in *Osmerus oporinus oporinus* (L.). p. 571.
- Kogan, A. V. - Adaptability of diurnal feeding rhythm in *Polycus cultratus* L. p. 572.
- Mironov, O. G. - Effect of small concentrations of petroleum and petroleum products on developing eggs of Black Sea flatfish. p. 577.
- Brief news and information. p. 582.
- VOPROSY PITANIA [PROBLEMS OF NUTRITION].** Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 24, no. 1, Jan.-Feb. 1965.
- Table of contents translated:
- Shtenberg, A. I., Vavilina, G. P. - Content of the residual quantities of pesticides in foodstuffs; survey of literature. p. 3.
- Lutsola, Kh. I. - Content of residual quantities of DDT, TMTD and methylchlythiophos in apples after their combined use in treating fruit trees. p. 9.
- Avakian, A. O. - 2, 3, 5-Triphenyltetrazolium chloride (TTC) as an indicator for the hygienic evaluation of raw materials, semi-finished products and finished canned vegetables. p. 13.
- Slebituk, P. N. - Accelerated technique of the bacteriological diagnosis of salmonellas in meat by means of fluorescence microscopy. p. 16.
- Shilling, I. U. L., Kachkova, V. G., Maganova, N. B. - Effect of meat products irradiated by gamma rays in pasteurizing doses on the canine organism. p. 19.
- Iurin, V. V. - Hygienic characteristics of food products stored in containers manufactured from Soviet-made high-pressure polyethylene. p. 25.
- Vankhanev, V. D., Chisliakova, A. M., Golubenkova, M. D. - Hygienic investigation of the nutrition of the Donets coal basin miners underground. p. 28.
- Dikun, P. P. - Spectral analysis data on carcinogenic hydrocarbons in sausages and smoked fish products. p. 31.
- Skutne, K., Jansone, I., Liepins, J. - Effect of smoked fish on the development of gastric cancer in man. p. 35.
- Karandeva, V. P. - Protein assimilation, nitrogen balance and vitamin C supply of the body using a diet containing dehydrated products. p. 38.
- Bronner, V. V. - Nutrient requirements under conditions prevailing in boarding schools. p. 42.
- Khaustova, T. N. - Effect of nutrition on certain immune reaction indices in boarding school adolescents. p. 45.
- Eremtin, I. U. N. - Changes in the thyroid gland of animals under the effect of methylthiouracil and iodine insufficiency against the background of a diet containing different fats. p. 48.
- Aksut, I. N. - Effect of a large amount of manganese on the state of the thyroid gland as related to different fat content of the diet. p. 53.
- Nagrina, I. O. - Effect of various quantities of thiamine and of iodine deficiency on the state of the thyroid gland in albino rats. p. 57.
- Krivoruchenko, I. V. - Characteristics of lipid metabolism in essential hyperlipidemia and xanthomatosis. p. 60.
- Gadzhieva, Z. M. - Certain regularities in the detachment of epithelial cells in the small intestine of animals. p. 66.
- Vasil'eva, E. N. - Fatty degeneration of the liver under the effect of biontotoxins and the lipotropic action of intestinal mucosa. p. 71.
- Todorov, D. P. - Effect of certain food stimulants on the motor activity of the gall bladder. p. 75.
- Ponar, O. I. - Effect of riboflavin deficiency in the diet on some blood indices in rats. p. 78.
- Larin, F. S., Ostrovskii, I. U. M., Karpui, S. N. - Distribution of S^{35} -thiamine in tissues following synchronous introduction of different thiamine derivatives and of its antimutability. p. 83.
- Papovian, G. S., and others. - Observations on botulism arising from canned *Hippomarathrum microcarpum*. p. 87.
- Artemov, A. A. - Data concerning contamination of raw milk with pathogenic staphylococci. p. 88.
- Burmistrova, O. G., and others. - Outbreak of salmonella induced toxoinfection due to consumption of camel meat. p. 89.
- Zavertalio, V. K. - Cobalt content in some food products originating in Dnepropetrovsk Province. p. 90.
- Loladze, G. E. - Vitamin B₁₂ effect on the morphological composition of the peripheral blood in animals. p. 91.
- In memory of professor Dmitrii Ivanovich Lobanov. p. 93.
- ZHURNAL OBSHCHIEI BIOLOGII [JOURNAL OF GENERAL BIOLOGY].** Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 27, no. 5, Sep.-Oct. 1966.
- Table of contents translated:
- Makholin, A. A. - Founder of evolutionary morphology; centennial of the day of birth of Academician Aleksol Nikolaevich Severtsov. p. 513.
- Brachet, J. - Role of nucleic acids in morphogenesis. p. 522.
- Poptsov, A. V. - Biological significance of dormancy (delayed germination) of seeds. p. 544.
- Enikova, M. G. - Relationship between woody plants and micro-organisms. p. 555.
- Zbarskii, I. B., Gintsburg, G. I., Sheherbakov, V. P. - Localization of nucleic acid biosynthesis in oocytes of *Asterias rubens*. p. 568.
- Gintsburg, G. I. - Incorporation of some amino acids in oogenesis process in *Glossiphonia complanata* L. p. 573.

4. CHEMISTRY

- 2176

- Klabunovskii, E.I., Volkova, L.M. - Optically active alkyloxy- and alkylchlorosilanes as starting compounds for the preparation of stereospecific silica gels and silicon-containing polymers. p.683.
- Derzhinskii, A.R., Mavrov, M.V., Kucherov, V.F. - Chemistry of polyene and polyacetylene compounds. Report No. 21. Synthesis of some types of vinylpolyacetylenic acids. p.866.
- Derzhinskii, A.R., Mavrov, M.V., Kucherov, V.F. - Chemistry of polyene and polyacetylene compounds. Report No. 22: General path of synthesis of mono- and dicarboxylic acids of the polyacetylene series. p.872.
- Tikhonova, N.A., Dablevskii, K.K., Belikov, V.M. - Reversibility of the condensation of orthoformates with nitro compounds. p.877.
- Rudenko, A.P., and others - Mechanism of coal formation during decomposition of acetic and formic acids on silica gel. p.881.
- Viktorova, E.A., Shulkin, N.I., Karakhanov, E.A. - Alkylation of phenols by bifunctional compounds. Report No. 17: Halomethylation of cresols by 1,3-dibromopropane and 1,5-dichloropentane. p.888.
- Viktorova, E.A., and others - Alkylation of phenols by bifunctional compounds. Report No. 18: Alkylation of m-cresol and its methyl ether by allyl halides. p.891.
- Vinogradova, S.V., and others - Heterochain polymers. Report No. 84: Mixed block polyarylates based on pentaol, bisphenols, and acid chlorides of aromatic dicarboxylic acids. p.895.
- Kotlarovskii, I.L., Zaslina, A.S., Gusonkova, N.M. - Highly unsaturated polymers. Report No. 22: Directed synthesis of oligomers displaying the properties of solubility, infusibility, heat resistance, and electric resistance. p.900.
- Shvartsberg, M.S., and others - Acetylenic alcohols and amines of the dihyphenyl oxide series. p.905.
- Andrianov, K.A., and others - Reactions of diorganodichlorosilanes with resorcinol. p.909.
- Kaz'mina, N.B., and others - Synthesis of some homocyclic derivatives. p.911.
- Kaz'mina, N.B., Knuifants, I.L. - Synthesis of stereoisomeric substituted 1,3,2-oxazaphospholanes. p.913.
- Kursanov, D.N., and others - Orienting effect of carboxylate group in the system cyclopentadienyl manganese tricarbonyl. p.915.
- Mironov, V.A., and others - Synthesis and thermal transformations of bicyclo[3,1,0]-2-hexone and bicyclo[4,1,0]-3-heptene. p.916.
- Gambarian, N.P., Simonian, L.A., Petrovskii, P.Y. - Reaction of fluoroketones with vinyl ethers. p.918.
- Prakofev, A.I., Solodovnikov, S.P. - Electron paramagnetic resonance of anion radicals of α,α' -azoisobutyric acid dinitrile and diethyl azoacetate. p.921.
- Bel'skii, V.E., Efremova, M.V., Shormorgorn, I.M. - Kinetics of alkaline hydrolysis of bis(chloromethyl) phosphinic esters. p.923.
- Motokovskii, I.U.G., Bergel'son, L.D. - Synthesis of R-form of α -phosphalidyl- α -alanineglycerol and study of the configuration of bacterial liponmino acids. p.925.
- Motokovskii, I.U.G., Nikulina, L.F., Bergel'son, L.D. - New path of the synthesis of optically active diglycerides. p.927.
- Arbuzov, B.A., Vizei, A.O., Zvereva, M.A. - Nitrophenyl esters of cyclophosphinic acids. p.929.
- Ershov, V.V., Bolostolaka, I.S., Volod'kin, A.A. - Opening of three-membered ring in 4,6-di-tert-butylspiro[2,5]octa-3,6-dien-6-one under the effect of magnesium halides. p.930.
- Rozantsev, E.G., Egidis, F.M. - Basicity of tertiary butylarylamines. p.932.
- Shorina, M.I.A., Fridlind, R.Kh. - Rearrangement of radicals in the process of telomerization of ethylene by acetone. p.933.
- Nesmelanov, A.N., and others - Cyanation of ruthenium salts. p.935.
- Zakharkin, L.L., Kalinin, V.N. - Action of halogens and hydrogen halides on 1-vinylbarone. p.937.
- Greckin, N.P., Nkonorova, L.K. - New method of synthesizing carbalkoxyalkylamido phosphides. p.939.
- Ivanov, B.E., Zholtikhin, V.F., Soronova, V.G. - Reaction of triethyl phosphite with hydrochlorides of Mannich ketone bases. p.940.
- Shostakovskii, M.F., and others - Si - O bond breaking in 1,3-dioxo-2-silacyclanes and their oligomers under the effect of vinylphenyl magnesium bromide. p.943.
- Dvoriantseva, G.G., and others - Integral intensities of carbonyl bands in the infrared spectra of heteroannular substituted esters of ferrocenecarboxylic acid. p.945.
- Volod'kin, A.A., Portnykh, N.V., Ershov, V.V. - Bromoalkyl-(4-hydroxy-3,5-di-tert-butylphenyl) ketones. p.947.
- Kabachnik, M.I., and others - Preparation of tetra-cylohexylmethylenediphosphine dioxides. p.949.
- Khalullin, V.K., Vasilina, M.A., Pudovik, A.N. - Reaction of some alkylalkoxychlorophosphines with acrylic acid. p.950.
- General Meeting of the Department of General and Technical Chemistry of the Academy of Sciences of the U.S.S.R. p.958.
- Annual General Meeting of the Department of General and Technical Chemistry of the Academy of Sciences of the U.S.S.R. p.959.
- Annual General Meeting of the Department of Biochemistry, Biophysics, and Chemistry of Physiologically Active Compounds of the Academy of Sciences of the U.S.S.R. p.961.
- No. 5, May 1987.
- Table of contents translated:
- G.K. Borekov; on his sixtieth birthday. p.971.
- Firsova, T.P., and others. - Interaction between potassium ozonide, water vapor, and carbon dioxide. p.973.
- Glazun, B.A., Dubinin, M.M., Zhilenkov, I.V. - Dielectric properties of water adsorbed by zeolites. Report No. 6: Kinetics of the change in dielectric properties of hydrated zeolites. p.977.
- Glazun, B.A., Zhilenkov, I.V., Dubinin, M.M. - Nature of low temperature relaxation in zeolites. p.982.
- Glazun, B.A., Dubinin, M.M., Zhilenkov, I.V. - Comparison between the dielectric properties of ordinary and heavy water adsorbed on zeolite p.987.
- Bol'skaya I.P., Fetisova, T.P., Rautov, O.A. - Reactions of substitution of mercury atom combined with saturated carbon atom by halogen. Report No. 6: Effect of solvent on the reaction rate of benzyl mercury chloride with iodine. p.990.
- Avramenko, I.I., Kolesnikova, R.V. - Calculation of rate constants for elementary reactions. Report No. 1: Some regularities associated with pre-oxenolonic factors and activation energy. p.996.
- Bochvar, D.A., Gambarian, N.P., Tutkovich, A.V. - Calculation by the molecular orbital method of the nine-membered pyrrole analog and cyclooctatetraenyl pyridinium ylides. p.1004.
- Mamedzade, R.II., Klabunovskii, E.I., Balandin, A.A. - Polarographic reduction of dihydrolodotriptycene and dihydrolodotriptycene in dimethylformamide. p.1009.
- Godunova, L.F., Klabunovskii, E.I., Balandin, A.A. - Chromatographic analysis of mixtures of stereoisomeric menthols and menthones. p.1013.
- Lapina, A.L., and others. - Catalytic hydrocondensation of carbon monoxide with olefins and their copolymerization under the effect of carbon monoxide and hydrogen. Report no.46: Products of ethylene hydrodimerization. p.1018.
- Kravtsov, D.N., Nesmelanov, A.N. - Synthesis and structure of phenylmercury derivatives of 4-aryl-sulfonylaminopyridines. p.1024.
- Rodionov, A.N., and others. - Structure of aliphatic organometallic compounds of zinc and cadmium. p.1031.
- Engina, F.E., Vasserberg, V.E., Balandin, A.A. - Differentiated use of aluminum oxide surface in the preparation of complex and mixed catalysts. Report No. 1: Aluminosilicate catalysis. p.1036.
- El'manov, B.S., Konikberg, M.G. - Prospects for high pressure application in organic synthesis. p.1044.
- Voroshchagin, A.N., Shchukina, L.I., Arbuzov, B.A. Dipole moments and structure of adducts of α -haloacrylonitriles with some cyclic diones. p.1051.
- Belikov, V.M., Bolokov, I.U.N. - Reactivity of nitro compounds. Report No. 6: Hydration mechanism of α -nitroacetic ester. p.1054.
- Bekker, R.A., Diatkin, B.L., Knuifants, I.L. - α -Difluoraminopropylfluorocarboxylic acids and their derivatives. p.1060.
- Andrianov, K.A., and others. - Synthesis and properties of some alkyl(aryl)-N-phenylaminosilanes and alkyl(aryl) silazanes. p.1066.
- Andrianov, K.A., Izmailov, B.A. - Hydrolysis reactions of higher dialkylchlorosilanes. p.1070.
- Shorverdina, N.I., and others. - Study of organozinc compounds of the R_2Zn class. p.1077.
- Paleeva, I.E., and others. - Study of organocadmium compounds of the Ar_2Cd , $RCdR'$, $ArCdAr'$ classes. p.1093.
- Ivanov, B.E., Vaitova, L.A. - Synthesis of substituted benzylphosphinic acids. Report No. 2: Reaction of Mannich phenol bases with triethyl phosphite. p.1087.
- Ivanov, B.E., Vaitova, L.A. - Synthesis of substituted benzylphosphinic acids. Report No. 3: Reaction of Mannich phenol bases with dialkylphosphorous acids. p.1090.
- Milovskaya, E.B., Pokrovskii, E.I., Fedorova, E.F. - Interaction between triethylaluminum and benzoyl peroxide. p.1093.
- Akhrem, A.A., and others. - Analogs of steroid compounds without ring B. Report No. 3: Synthesis of 2-methyl-3-acetyl-4-(p-anisyl)- Δ^5 -cyclohexenone acid and its derivatives. p.1098.
- Krasnaya, Zh.A., Iulit, S.S., Kucherov, V.F. - Chemistry of acetals. Report No. 22: Condensation of acetalacetone and dihydroresorcinol with acetals. p.1104.
- Severina, T.A., Ivanova, L.N., Kucherov, V.F. - 1,3-Hydrindandione in Michael's reaction. p.1111.
- Nikishin, G.I., Vorob'ev, V.D. - Free radical reaction of alcohols with dimethyl ester of maleic acid. p.1118.
- Fomchev, I.U.V., Gostunskaia, I.V., Kazanskii, B.A. - Catalytic dehydrocyclization of n-hexane on aluminoplatinum catalyst under pulsed operating conditions. p.1121.
- Prianishnikova, M.A., and others. - Preparation of bicyclo[2,2,1]hepta-2,5-diene by condensation of cyclopentadiene with acetylene without use of stabilizer. p.1127.
- Rudenko, M.G., Iaroshevskaya, S.M. - Thermal polymerization of 1-allyl-4-phenoxybenzene p.1130.
- Podolskii, A.V., German, L.S., Knuifants, I.L. - Dissociation constants of fluorine-containing aliphatic amines. p.1134.
- German, L.S., Podolskii, A.V., Knuifants, I.L. - Hydroxyaminomethylation of aromatic hydrocarbons. p.1135.
- Rozantsev, E.G., Krinitskaya, L.A. - Determination of steric configuration of organic compounds by means of stable iminoxyls. p.1137.
- Nesmelanov, A.N., and others. - Protodimerization of heteroannular mercury derivatives of haloferrocenes. p.1139.
- Nesmelanov, A.N., Boilev, A.E., Van Shl-khua [Wang Shih-hua] - Bimetallic derivatives of ethylene. p.1141.
- Eromenko, L.T., Korolev, A.M. - O-nitration of primary and secondary unsaturated and α -epoxy alcohols. p.1142.
- Semenovskii, A.V., and others. - Cyclization of dihydronerolid acetate as a method of synthesizing cyclic isoprenoids. p.1144.
- Arbuzov, B.A., Polezhaeva, N.A., Vinogradova, V.S. - Isomerization of diethoxyphosphorylalkene oxides. p.1146.
- Balashov, I.A., Timofeeva, E.A., Shulkin, N.I. - Preparation of n-hexane. p.1148.
- Gubin, S.P., Grandberg, K.I., Shchepilov, I.P. - Additional band in the infrared spectra of carbonyl-containing ferrocenes. p.1149.
- Timofeeva, E.A., Lutsenko, G.A., Shulkin, N.I. - Displacement of hexenes from trioxylboranes. p.1152.
- Shulkin, N.I., Lobodov, B.L. - Alkylation of thiophene by isobutylene. p.1154.
- Bolostolaka, I.S., Volod'kin, A.A., Ershov, V.V. - Dione-phenol transformations in the interaction between 4,6-di-tert-butylspiro[2,5]octa-3,6-dien-5-one and organomagnesium compounds. p.1155.
- Andrianov, K.A., Korolev, G.V. - Methylchlorophenylcyclooctazanes. p.1158.
- Gilliarov, V.A., Kovtun, V.IU., Kabachnik, M.I. - Reactions of tetraphenylmethylenediphosphine with aromatic azides. p.1159.
- Anokhina, L.A., Alimov, P.I. - Phosphorylated chloral somiacetals and some of their derivatives. p.1161.
- Kruglov, N.V. - Reaction of some organoboron compounds with radical-forming substances. p.1163.
- Maksimov, V.I., Osipov, V.I., Kaverzova, E.D. - pH dependence of the activity of native and γ -irradiated lysozyme. p.1165.
- Rafikov, S.R., Charnokova, G.N., Dzhilkibaeva, G.M. - Reaction of chloromethylated polystyrene with triethyl phosphite. p.1167.

*ELEKTROKIMIYA [ELECTROCHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 5, May 1987.

Table of contents translated:

- Damaskin, B.B., Diakina, S.L. - General regularities observed on the differential capacity curves in the presence of a linear dependence of the attraction constant on the electrode potential. p.531.
- Ulland, N.IU., Novakovskii, A.M., Rozenfel'd, S.A. - Properties of nickel oxide electrode. Part I: Electrochemical behavior of higher nickel oxides. p.537.
- Iakovleva, E.V., Nikolaeva-Fedorovich, N.V. - Effect of an indifferent electrolyte on the reduction rate of anions. p.543.
- El'tutun, V.P., Lysov, B.S., Andreov, I.U.IA. - Conditions of electrodeposition of titanium film in fused chloride. Part 3: Diffusion difficulties in a chloride melt as hindering factor in the electrodeposition of titanium film. p.549.
- Komandenko, V.M., Rotinian, A.L. - Cathodic dissolution of tellurium in alkaline solutions. p.552.
- Kaimakov, E.A., Varshavskaya, N.L. - Determination of the transfer numbers of lithium ions in aqueous solutions of a mixture of lithium and copper chlorides. p.558.
- Seyast'ianova, I.G., Tomilov, A.P. - Mechanism of electroreduction of nitriles of benzole, cinnamic, and vinylacrylic acids. p.563.
- Protchenko, P.I., Shatskaya, K.P. - Conductance of melts of some binary halide systems. p.571.
- Shul'ts, M.M., Yanovskaya, I.S. - Specific effect of certain alcohols as solvents on the glass electrode potential. p.575.
- Morozov, A.M., Origor'ev, N.B., Bagotskaya, I.A. - Modeling of the electric double layer structure on gallium and some adsorptive properties of mercury in the presence of thionurea. p.585.

- Матвеев, А.А.**, Филиппов, Ф.Л., Штерман, В.С. - Electrode reactions of cation-exchange membranes at elevated temperatures p. 642
- Чирков, И.А.**, Чирков, И.Г., Клевцов, Л.П. - Mechanism of the diffusion conditions of current generation on semi-immersed electrodes taking into account the reagent transfer through the double phase p. 645
- Родиченко, Н.И.**, Станис, В.Ф. - Hydrogen adsorption on platinumized platinum in the presence of chemisorbed saturated alcohols and aldehydes p. 649
- Балдина, Р.С.**, Сахарова, О.А. - Effect of cation-type surface active substances on rhodium electrodeposition p. 653
- Балашова, Н.А.**, Коссаля, А.М., Горюхова, Н.Т. - Determination of the zero charge potential of rhodium in acid solutions by the radioactive tracer technique p. 658
- ГИДРОХИМИЧЕСКИЕ МАТЕРИАЛЫ [MATERIALS IN HYDROCHEMISTRY]**. Issued by Gidrokhimicheskiy Institut (Gidrokhimicheskiy Akademii nauk SSSR [Hydrochemical Institute (in Moscow)] of the Academy of Sciences of the U.S.S.R.] Moscow, vol. 45, 1967.
- Table of contents translated
- Матвеев, А.А.** - Atmospheric precipitation and runoff of solutes, p. 5
- Зенин, А.А.** - Changes of chemical composition of waters in the rivers of the plains of the European part of the U.S.S.R. resulting from regulation p. 21
- Алмазов, А.М.** - Geochemical studies of estuary regions of the rivers of the U.S.S.R. p. 35
- Бруевич, С.В.** - Development of works on chemistry of the sea in U.S.S.R. p. 53
- Весловский, Н.В.** - Hydrochemistry of ponds in arid areas, p. 73
- Кривитсов, М.Л.** - Prognosis of mineralization and chemical composition of waters of reservoirs, p. 87
- Русохон, Е.В.** - Factors in formation of chemical composition of underground waters, p. 107
- Явченко, В.М.** - Theoretical bases of physicochemical study of natural waters, p. 123
- Скопинцев, Д.А.**, Гончарова, Л.А. - Progress of Soviet hydrochemistry in the field of studying organic matter in natural waters p. 133
- Семенов, А.Д.** - Chemical nature of organic matter in surface waters, p. 155
- Семенов, А.Д.** - Method of studying organic matter in surface waters, p. 173
- Каплин, В.Т.**, Феденко, Н.Г. - Pollution and self-purification of reservoirs, p. 189
- Каплин, В.Т.** - Change in organic composition of reservoirs p. 207
- Лурье, Ю.Ю.** - Some problems in analysis of natural and discharge waters, p. 227
- Кондратов, Г.С.** - Studying microelements in surface waters of land, 237.
- БИОХИМИЧЕСКАЯ ИНФОРМАЦИЯ, систематический указатель статей в иностранных журналах [BIOCHEMICAL INFORMATION, Classified Index of Articles in Foreign Periodicals]**. Issued by Vsesoyuznaya gosudarstvennaya biblioteka i nauchnoye izdatel'stvo [All-Union State Library of Foreign Literature], Moscow, no. 6(58), June 1967.
- НИМНОВА ВЫСОКИХ ЭНЕРГИЙ [HIGH-ENERGY CHEMISTRY]**. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 1, no. 3, May-June 1967
- Table of contents translated
- Бочин, В.П.**, Закурин, Н.В., Капышев, В.К. - Production of ion beams of HeF⁺, HeF₂⁺, and HeF₃⁺ p. 187
- Дзантий, Б.Г.**, Шишков, А.В. - Photolysis of hydrogen sulfide. Effect of ethylene additions, p. 192
- Кондратьев, В.А.**, Багдасар'ян, Kh.S. - Two-quantum and one-quantum processes in polar glasses at 77°K, p. 197
- Егуннов, А.В.**, Коробкин, В.В. - Oxidation of Fe²⁺ ions in aqueous solutions by rubi laser emission, p. 202
- Дмитриев, Л.А.**, Камнетекска, С.А., Паехозетски, S.I.A. - Kinetics and yield of the gas phase radiation decomposition of nitrogen peroxide, p. 208
- Глазоль, В.Л.**, Шафров, V.D. - Radiolysis of succinic acid, p. 213
- Полак, L.S.**, Черняк, N.I.A., Шчербакзова, A.S. - Mechanism underlying the action of inhibitors in the radiolysis of cyclohexane, p. 220
- Коритецкий, А.Т.**, Зубков, А.В. - Heterolytic mechanism of radiolysis of peroxides, p. 227
- Алимов, М.В.**, Шеки, Ю.Б. - Comparative study of the radio- and photoluminescence of solid organic solutions, p. 235
- Клиншпонт, E.R.**, Миллчук, V.K. - Electron paramagnetic resonance study of paramagnetic centers in γ-irradiated polytetrafluoroethylenes, p. 242
- Федосева, Т.С.**, Кузьминский, A.S. - Step-wise radical recombination in irradiated polydimethylsiloxane, p. 248
- Белеский, В.Н.**, Бугаенко, L.T. - Formation of radicals in the α-radiolysis of frozen aqueous solutions of perchloric acid, p. 253
- Лыкин, В.М.**, Болдырев, V.V. - Effect of temperature on the radiolysis of solid potassium nitrate in the presence of admixtures, p. 260
- Сулс, A.L.**, Шорин, S.N. - Pyrolysis of propane-butane mixture in jet plasma, p. 264
- Вурзел, F.B.**, Полак, L.S., Шолпахчев, V.S. - Thermal decomposition of tetrachlorosilane under strong adiabatic compression in a plasma jet, p. 268
- Полак, L.S.**, Хайт, Ю.Л., Червоцкий, E.N. - Use of an electronic digital computer for solution of a system of differential equations for methane pyrolysis in a high temperature gas jet taking acetylene quenching into account, p. 275
- Судбина, E.N.**, and others. - Kinetics of low temperature photoinduced recombination of paramagnetic centers in irradiated glycine, p. 281
- Петрухина, В.Л.**, Пonomarev, L.I., Прокошкин, Ю.Д. - Possible use of the nuclear reaction of charge-exchange of π⁻ mesons in chemical investigations, p. 283
- Глазоль, В.Л.**, and others. - Radiation-induced decomposition of aluminum and magnesium hydroxides, p. 285
- Ерегов, B.G.**, Шубин, V.N. - Topical Study Group on Radiation Chemistry of Water and Aqueous Solutions, p. 286
- *КИНЕТИКА И КАТАЛИЗ [KINETICS AND CATALYSIS]**. Issued by Sibirskeoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Лебедев, И.А.** - Kinetics of bimolecular reactions in the condensed phase. Using cage model for the calculation of reaction rates, p. 245
- Воинов, А.Н.**, Skorodelov, D.L. - Some features in the development of preflame processes and ignition of hydrocarbons of various structures, Part I. Delays in cold flame appearance and in ignition as a function of temperatures and compression, p. 252
- Gillburd, M.M.**, Molin, F.B. - Kinetics of fast high-temperature reactions studied by means of a mass spectrometer. Part 2: Thermal decomposition of ethyl formate, p. 261
- Белов, G.P.**, and others. - Kinetics of ethylene polymerization over the soluble catalytic system (C₅H₅)₂TiCl₂ - Al(C₂H₅)₂Cl in ethyl chloride, p. 265
- Андонов, L.M.**, Заikov, G.E. - Effect of certain solvents on the rate of radical formation in the thermal decomposition of azobisisobutyric acid dinitrile, p. 270
- Руденко, А.Р.**, Кузикова, I.L., Балдин, A.A. - Catalytic activity of alkali metal ions in the oxidative dissolution of diamond, p. 275
- Стельная, Z.A.**, Багдасар'ян, Kh.S. - Kinetics of two-quantum photochemical reactions. Carbazole-ethyl alcohol system, p. 283
- Lambert, D.K.**, Kurchatov, M.S. - Thermokinetic study of PbO₂, PbO₄, and PbO reduction by hydrogen and carbon monoxide, p. 288
- Dubinin, M.M.**, Kadets, O., Ponec, V. - Catalysis in the thermal decomposition of silver oxide, p. 292
- Boldyreva, A.V.**, Bezukrov, B.N., Doktyrev, V.V. - Mechanism underlying the effect of additions on the thermal decomposition of ammonium perchlorate p. 290
- Grishina, A.D.**, Vaks, E.A., Bakht, N.A. - Electron paramagnetic resonance spectra of polyvinyl acetate-base semiconductors, p. 304
- Kolbanovskiy, I.U.A.**, Masterova, M.N. - Kinetic regularities of radiation-induced chlorination of oxygen on a γ-Al₂O₃ surface, p. 300
- Polvekov, M.K.**, Matlanovskiy, S.G., Gonikberg, M.G. - Polarographic study of the effect of pressure on the kinetics of pyridine protonation under the action of water, p. 316
- Otlakov, V.F.**, Matveev, K.I. - Use of the Taff equation in selecting homogeneous catalysts for oxidation of propylene to propylene glycol, p. 311
- Akhmedov, V.M.**, Zakharikhin, L.L. - Cycloisomerization of butadiene over the catalytic system C₆H₆:TiCl₄:Al₂Cl₆+R₃AlR', p. 331
- Pollavchenko, I.U.A.**, Popkova, N.I. - Vapor-phase oxidation of methylacetylene over heteroatom catalysts, p. 335
- Akopdzhanov, R.G.**, and others. - X-ray spectral examination of copper polychalcates and their interaction in the course of some chemical reactions, p. 340
- Druz', V.A.** - Relationship between shift of the catalyst potential and reaction rate in the processes of liquid-phase hydrogenation. Part 3: Quantitative evaluation of the activity of hydrogenation catalysts, p. 344
- Kubasov, A.A.**, Smirnova, I.V., Tepchleva, N.V. - Catalytic isomerization of cyclohexene on aluminum oxide. Part 2: Isomerization of 1-methyl-3-cyclohexene and 1-ethyl-1-cyclopentene, p. 351
- Ermakov, I.U.L.**, Ivanov, Ch.P. - Certain data on the centers of polymer chain propagation in the process of polymerization on chromium oxide catalyst, p. 357
- Gelferlin, E.G.**, and others. - Kinetics and mechanism of 2-butene-1,4-diol synthesis, p. 362
- Ostrovskiy, V.E.** - Study of the catalytic oxidation of hydrogen on silver by means of adsorption calorimetry, p. 371
- Bodrov, I.M.**, Apellbaum, L.O. - Kinetics of the reaction of methano with carbon dioxide on a nickel surface, p. 370
- Balandin, A.A.**, Tolstopiatova, A.A., Naumov, Y.A. - Catalytic activity of cerium oxide toward the reactions of dehydrogenation and dehydration of alcohols and dehydrogenation of tetralin, p. 383
- Min'kov, A.L.**, Keizer, N.P., Anufriyenko, V.F. - Mechanism of oxidation of isopropylbenzene on copper phthalocyanine, p. 387
- Zlotina, N.E.**, Kiporinn, S.L. - Kinetics of benzene hydrogenation on nickel catalysts in a gradientless system, Part I, p. 393
- Pechorskina, I.U.L.**, Kazanskii, V.B. - Coordination of pentavalent chromium and the activity of chromium oxide catalysts in ethylene polymerization, p. 401
- Shadrin, L.P.**, Bulonov, R.A., Kefeli, I.M. - Studying the processes of formation and aging of chromium-iron-zinc oxide catalyst under operating conditions of an industrial reactor, p. 410
- Dzevonitskiy, Z.** - Effect of the surface condition and volume of TiO₂ on the dissociation adsorption of N₂O, p. 415
- Dorlukova, L.E.**, Krylova, A.V., Margulina, L.A. - Charging of oxidation catalyst surface in the adsorption of propylene-oxygen mixtures, p. 421
- Bulanova, N.E.**, Gudkova, G.B., Karanikhov, A.P. - Comparison of various chromatography techniques for determining the specific surface of solids from argon adsorption, p. 428
- Sheinfeld, R.IU.**, Melmark, I.E. -

- Kiselev, A. V., Kupchik, L. A., Lygin, V. I. - Ultraviolet spectra of diphenylamine adsorbed by X and Y zeolites. p. 475.
Georgii Konstantinovich Doroskov on his sixtieth birthday. p. 478.
- *MOSCOW. UNIVERSITET. Vestnik Seriya 2 Khimika [UNIVERSITY. Review, Series 2: Chemistry]. Vol. 22, no. 2, Mar-Apr. 1967.
Table of contents translated.
Topchilova, K. V., Stetsenko, V. I. - Some chemisorption characteristics of yttrium oxide. p. 3.
Istrikhan, A. A., and others. - Heat of adsorption of benzene and hexane on an aluminosilicate catalyst. p. 9.
Dzhessali, V. I., Tiulin, V. I., Tatevskii, V. M. - Vibrational spectra and rotational isomerism of acrolein molecule C_3H_4O . p. 14.
Panchevko, I. U. N., and others. - New method of calculating molecular vibrations of 1,1,2-trideutero-1,3-butadiene. p. 20.
Kataev, D. I., Mal'tsev, A. A. - Analysis of rotational structure of 3577 Å band of BO^+ ion. p. 23.
Chen Ton Kha, Sergeev, G. B., Kunsakale, L. I. U. - Study of the kinetics of cyclohexene bromination by means of differential-thermal analysis. p. 28.
Semelkhan, I. A., Sirotkina, V. A. - Approximate calculation of the electron excitation velocity of some molecules in glow discharge. p. 31.
Mal'tsev, A. N., Eremin, L. N., Borisova, S. I. - Role of surface in nitric oxide synthesis in glow discharge. p. 34.
Golovin, A. I., and others. - Musk ambrette purification by means of zone melting. p. 39.
Belfayev, I. N. - Repulsion interaction of nitrogen, oxygen, and argon. p. 44.
Sokolov, V. V., Vinogradova, E. N., Novoselova, A. V. - Polarographic determination of lead and tellurium in the system $PbTe - SnTe$. p. 50.
Gospodinov, G. G., and others. - Behavior of bismuth and antimony sulfides and antimony selenide in vacuum sublimation. p. 54.
Raevekska, M. V., and others. - Zirconium alloys with niobium and vanadium. p. 58.
Kuprina, V. V., Bernard, V. B. - Phase diagram of the system gold - copper - iron. p. 63.
Kriukov, S. N., Soldatov, E. A. - Method of isotope exchange with single isothermal annealing. p. 67.
Kriukov, S. N., Soldatov, E. A., Tatalinov, V. A. - Method of measuring diffusion coefficient using condensation on hot sample. p. 71.
Allmarin, I. P., Abdel' Razik, F. A., Vinogradova, E. N. - Effect of the support composition and pH of the medium on the determination of small amounts of indium by means of amalgam polarography with storage. p. 74.
Shabarov, I. U. S., and others. - 1-Phenylbicyclo[0,1,0]alkanes. p. 79.
Tolstopiatova, A. A., Naumov, V. A., Balandin, A. A. - Coal formation in the catalysts of alcohols on europium oxide. p. 84.
Filatova, T. N., Tolstopiatova, A. A., Balandin, A. A. - Comparative study of coal formation on neodymium oxide and titanium dioxide (anatase) in the course of dehydrogenation and dehydration of alcohols. p. 89.
Sosnina, I. E., Denisova, E. P., Turova-Polinsk, M. B. - Use of rare earth oxides in catalytic synthesis. p. 94.
Kupchik, N. B., and others. - Spectral study of complex formation of methyl-substituted azobenzene. p. 98.
Drugov, I. U. S. - Infrared spectra of complexes of some dioximes with NiII. p. 102.
Kasimov, R. M., Nagizade, P. S. - Method of measuring dielectric constants of polar liquids in the super-high-frequency range. p. 107.
Moskvitina, E. N., Kuziakov, I. U. A. - Fundamental frequencies and calculation of the vibrational spectrum of tetrafluorohydrazine molecule. p. 111.
Borisova, A. P., and others. - Calculation of stability constants of copper complexes of dipeptides by means of the Monte-Carlo method. p. 114.
Levina, M. E., Zaborenko, K. B., Volodina, A. V. - Use of the emanation method for refining of the phase diagram of the system $Na_2BeF_4 - Na_3PO_4$. p. 116.
- REFEKTIVNYI ZHURNAL: KHMIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchno informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, Avtorizatsiya ukazatel' na 1963 g. [Author Index for 1963], vol. 1, A-M; vol. 3, A-G.
- *RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshibkh uchobnykh zavedenii, khimika i khimicheskaya tekhnologia (Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Chemistry and Chemical Technology). Moscow, vol. 10, no. 2, 1967.
Table of contents translated.
Varfolomeev, M. B., Plushchev, V. E. - Terbium and dysprosium perchlorates. p. 123.
- Levina, M. E. - Phase transitions in the field of the chemical compounds $Na_2BeF_4 - NaBeF_3$ in the $NaF - BeF_2$ system. p. 128.
Zimina, G. V., Stepina, S. B., Plushchev, V. E. - Study of solubility in the $RbBr - SrBr_3 - HBr - H_2O$ system at 25°C. p. 132.
Palusov, S. A., Vihlanskii, I. A. E. - Behavior of compounds of oxygen with iron in the presence of fused sodium carbonate and chromate. p. 137.
Dukhola, V. A., Fedoseev, P. N. - "Burettes titration" as a new method of volumetric analysis. p. 141.
Ganopol'skii, V. I., Barkovskii, V. F., Altkina, N. A. - Using the method of differential spectrophotometry in the analysis of double-component systems. p. 145.
Zakharov, I. U. A. - Effect of heterophase additions on the thermal stability of $AgNO_3$. p. 151.
Kharin, S. E., Pereygin, V. M. - Effect of composition and pressure on the liquid-vapor equilibrium in the system water - ethanol - acetaldehyde. p. 155.
Ciparis, I., Adomas, R. - Comparative characteristics of the swelling-in and swelling-out action of potassium formate in aqueous solutions of formic, acetic, propionic and butyric acids. p. 160.
Simonov, V. A., Krasolin, I. U. I. - Study of the surface tension of some liquid polymers. p. 163.
Pakholov, V. S., Panikarovskikh, V. E. - Separation of chromium, molybdenum and tungsten in solutions of hydrofluoric acid by the use of anion exchangers. p. 169.
Korbutskii, I. A., Smirnov, E. A. - Color phenomena in complexes of symmetrical trinitrobenzene with the derivatives of α -(2-naphthylamine)-acetanilide. p. 173.
Karavaev, D. I., Khelevin, R. N. - Production of mono-oxo acids from dimethyl aniline. p. 177.
Goncharova, I. N., and others. - Acenaphthene derivatives containing bis-(β -chloroethoxy) amino group. p. 182.
Fedoseev, P. N., Ignatenko, L. S., Sokolovskaya, Z. N. - Micromethod for simultaneous quantitative determination of carbon, hydrogen and nitrogen in organic substances. p. 185.
Aleksseev, A. M., Opolovnikova, N. P., Kirillov, I. P. - Studying the process of the formation of zinc-chromium catalysts for the synthesis of alcohols. Report No. 3. p. 189.
Krivtsov, A. K., Khamaev, V. A. - Effect of a periodic current on some physical and mechanical properties of nickel deposits. p. 194.
Poperekin, M. I. A., Avramenko, O. I. - Effect of organic additions on the structure and inner pressure of electrolytic deposits of bismuth. p. 198.
Grach'ian, A. N., Dovyborova, L. N. - Use of organic surface active agents for the intensification of the grinding of Portland cement. p. 203.
Zlunina, L. A., Rutskaia, L. B. - Production of crystalline glass material from difficultly fusible clays. p. 207.
Mel'nikov, B. N., Kluev, V. N., Godunova, R. P. - Effect of the size of the hydrophobic surface of the dyestuff molecule on the kinetics of its sorption by fibers in the dyeing process. p. 213.
Akoybjan, E. M., Gal'tinskii, I. S., Rogovin, Z. A. - Synthesis of arsenic containing derivatives of cellulose. p. 218.
Slamler, A. B., Geller, B. E. - Initial products in the condensation of phenol and acrolein. p. 220.
Iurzhenko, T. I., and others. - Production of acrylonitrile by hydrocyanation of acetylene with the dispersion of the catalyst in the gaseous phase. p. 224.
Razumovskii, L. A., Strel'sov, V. V. - Studying the process of crystallization of salts from solutions in a suspended layer. p. 231.
Nikolaev, V. S., Vachagin, K. D., Baryshev, I. U. N. - Flow of a viscous liquid film over the surface of a fast rotating cone disk. p. 237.
Koksharov, A. G., Ust'-Kachinskii, V. F. - Electrode properties of Sr-Nb bronze. p. 243.
Abramova, E. I., Andreev, V. I., Voskresenskii, V. A. - Nitro derivatives of diphenyl as plasticizers of polyvinyl chloride. p. 245.
Telerevko, A. I. - Effect of mixing on mass transfer in the chlorination of the magnesium oxide suspension in a chloride fusion. p. 248.
Aveibukh, A. A., Vitvitskii, A. I., Mukhlenov, I. P. - Using the suspended layer for the conversion of methanol and the chilling of the products. p. 249.
- Vol. 10, no. 3, 1967.
Table of contents translated:
Beliaev, I. N., Lobas, L. M. - Physicochemical study of the systems $ZrOCl_2 - Ni_4Cl - H_2O$ and $ZrOCl_2 - LiCl - H_2O$ at 25°C. p. 255.
Levina, M. E., Fedorova, V. I., Rozanova, O. N. - Study of solubility in the system $(Ni_4)_2SO_4 - (Ni_4)_2BeF_4 - H_2O$ at 30°C. p. 260.
Vasil'ev, V. P., Mukhina, P. S. - Thermodynamic characteristics of the cadmium monoxide complex. p. 263.
Kollegova, M. I., and others. - Complex compounds of α -thioquinoline amides with metals; synthesis and infrared spectra. p. 267.
Akhmedli, M. K., Granovskaya, P. D. - Spectrophotometric study of the reaction of rare earth elements of the yttrium subgroup with azobenzene. p. 271.
- Millukov, P. M., Polanova, N. V. - Change in the thermodynamic functions during the formation of nitrilolacetate complexes of lanthanum in aqueous solutions. p. 277.
Lutskii, A. E., and others. - Frequencies of valence vibrations of the SO_2 and NH groups of substituted N-phenylparalobenzenesulfonamide. p. 282.
Sokol'skaya, A. M., Kuzombaev, K. K. - Conversion of cyclohexene on a rhodium catalyst. p. 285.
Kochergin, V. P., Shevina, Z. A., Berner, V. G. - Corrosion of iron in melts containing alkali metal phosphates and fluorides. p. 288.
Kenenko, V. I., Zil'berg, G. A., Vudikh, A. I. - Choice of a system for deep acid regeneration of the KU-2 cation exchanger containing an alkaline ion or ammonia under dynamic conditions. p. 293.
Stepanova, L. A., Shishkina, V. I. - Reaction of alkaline fusion of carbazolesulfonamide. p. 298.
Ioffe, B. V., Tsiiovich, D. D. - Synthesis and characteristics of propargylaldehyde dimethyl hydrazone. p. 301.
Dorofenko, G. N., Demidenko, E. I., Krivun, S. V. - Synthesis of pyrylium salts and pyridines by acylation of some aliphatic-aromatic ketones. p. 304.
Aleksseev, A. M., Kirillov, I. P., Koslov, V. V. - Study of ferrihydrous oxide catalysts used in the conversion of carbon monoxide. p. 308.
Gushchuk, B. N., Atroshchenko, V. I. - Ratio between the speeds of interaction of nitrogen oxides with ammonium carbonates in a solution and in the gaseous phase. p. 314.
Kopylov, B. A., Pozin, M. E. - Dissolving speed of some mineral fertilizers. p. 319.
Khamaev, V. A., Klytsov, A. K. - Nickel precipitation by the use of a periodic current in the presence of organic admixtures. p. 324.
Shilova, G. Z., Izmailov, A. V. - Possibility of chromium plating from water solutions by chemical methods. p. 328.
Aleksandrova, M. V., and others. - Extraction of higher alcohols from still residues in the rectification of $C_8 - C_9$ and $C_7 - C_8$ alcohols produced by the oxo synthesis method. p. 331.
Aleksandrova, M. V., and others. - Liquid-liquid equilibrium in the system hydrocarbon - higher fatty alcohols - glycols. p. 335.
Tepentayna, E. P., Farberov, M. I. - Some synthesis on the basis of bivalent oligomers. p. 338.
Moshchinskaya, N. K., Klitsayna, Z. G., Sievchenko, O. V. - Effect of the conditions of synthesis and the nature of hydrocarbons on the reaction of the production and some conversions of formolites. p. 342.
Vladimirova, T. V., Gal'tinskii, L. S., Rogovin, Z. A. - Synthesis of cellulose sulfates. p. 346.
Nikolaev, V. S., Vachagin, K. D., Baryshev, I. U. N. - Motion of liquid droplets on the surface of a fast rotating flat disk. p. 349.
Kiselev, V. N., and others. - Production of granulated urea in a fluidized bed. p. 354.
Orochko, A. I., Tiagat, V. A. - Detection of cadmium in the presence of copper. p. 357.
Balain, G. I., Chalik, G. I. - Study of the specific volume and compressibility in fused two-component systems with an incongruent melting point. p. 358.
Fedorova, G. A., Lavrisheva, I. N. - Isomerization of 2-hydroxy-1-naphthol acid to 2-hydroxy-3-naphthol acid during heating with aniline. p. 359.
Kazakov, M. T., Mustafin, I. S. - Separation of germanium from hearth residues of the Kashpir shale. p. 360.
Chistakov, V. M., Kondrar, F. A., Kapreev, P. V. - Effect of copper ions on the corrosion of low-carbon steel in hydrochloric acid. p. 361.
- *USPEKHI KHMII [PROGRESS IN CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.], Moscow, vol. 36, no. 4, Apr. 1967.
Table of contents translated:
Mavrov, M. V., Kucherov, V. F. - Chemistry of allene derivatives. p. 553.
Ionin, B. I., Bogolubov, G. M., Petrov, A. A. - Organophosphorus compounds with acetylene and diene substituents. p. 587.
Rodina, L. L., Korobitsayna, I. K. - Wolff's rearrangement. p. 611.
Solodovnik, V. D. - Chemistry of natural fatty acids with a conjugated system of double bonds. p. 636.
Meniallo, A. T., Pospelov, M. V. - Reactions of ozone with olefins. p. 662.
Tokareva, S. A., Vol'nev, I. I. - Stabilization of concentrated ozone. p. 666.
Bresler, S. E., Kazbekov, E. N. - Use of electron paramagnetic resonance in polymer chemistry. p. 720.
- Vol. 36, no. 5, May 1967.
Table of contents translated:
Akhrom, A. A., Tioy, I. U. A. - Derivatives of steroids with condensed heterocycles. p. 745.
Smirnov, K. M., Tomilov, A. P., Shekhotikhin, A. I. - Halocyclohexenes. p. 777.
Eldus, I. A. T. - Mechanism of Fisher-Tropsch process and of the reaction of inflated hydrolyzation of olefins according to radiochemical and kinetic data. p. 824.
TSikits, D. S., Rott, L. A. - Phase equilibria between immiscible gas phases. p. 869.
Tager, A. A., Dreval', V. E. - Newtonian viscosity of concentrated polymer solutions. p. 888.

- Table of contents translated
Fainberg, E. Z., Mikhailov, N. V. - Temperature dependence of the heat capacity of cellulose fibers p. 920
Zverev, M. P., and others. - Effect of solvent nature and precipitant composition of polyacrylonitrile behavior. p. 927
Kruglova, V. A., Lipovich, V. G., Tkavkina, N. A. - Polymerization of vinyl phenyl ether in the presence of radioactive boron fluoride etherate. p. 932
Panov, I. N., Frenkel', S. I. A. - Molecular weight effect on the characteristics of fluctuation networks in solutions of copolymers capable of forming inter-chain hydrogen bonding. p. 937
Abdel'monem, Mikhamed, Azmirli, E. I., and others. - Anionic polymerization of ϵ -caprolactam in the presence of isocyanates as activators. p. 944
Abdel'monem, Mikhamed, Azmirli, E. I., Korshak, V. V., Sergeev, V. A. - Some features of low-temperature anionic polymerization of ϵ -caprolactam. p. 950
Eighteenth International Symposium on Macromolecular Chemistry in Japan. p. 956
Lipatov, I. U. S. - Problems of chemistry and physical chemistry of polyurethanes. p. 968
Aleksandr Andreevich Korotkov; obituary. p. 970
- *ZHURNAL OBNCHETI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 37, no. 4, Apr. 1967.
Table of contents translated
Ionin, M. V., Shanina, P. I. - Phase equilibria of the system $HCl - H_2O - C_2H_5OH$. p. 749
Fialkov, I. U. A., Chvirkov, O. V. - Physicochemical analysis of binary liquid systems formed by amines. Part 3 Systems piperidine - amines. p. 754
Kurov, V. I. - Alkenyl carbonates. Part 1. p. 758
Kurov, V. I., Daneyev, V. I. - Alkenyl carbonates. Part 2. p. 760
Gadzhrahmanov, F. G., Samitov, I. U. S., Kataev, E. G. - Addition of selenophenol to 1,3-dienes. p. 761
Sorokina, A. N., Balog, A. E., Romantsevich, M. K. - Thin layer chromatography of peroxide compounds. p. 766
Kilimov, A. P., and others. - Formation of hydrogen bonding in solutions of some aminomercaptans. p. 768
Kataev, E. G., Gadzhrahmanov, F. G. - Reactions of selenols with unsaturated compounds of electrophilic type. Part 1: Reaction of selenophenol with some α, β -unsaturated acids and their derivatives. p. 772
Zemlinskii, N. I., Glushkova, L. V. - Reaction of halo-substituted phenols with phosphorus pentasulfide in the presence of a base. p. 775
Bezugiyl, V. D., and others. - Polarographic study of monohaloanthraquinones. p. 778
Shutov, G. M., and others. - Nucleophilic substitution by halogen in aromatic nitro compounds. Part 3: Intermediate formation of aryl pyridinium cation in pyridine catalyzed reactions of substitution of OH and NO₂ groups by halogen. p. 783
Pilingin, G. T., Rud'ko, A. P. - Infrared spectra of 1-aryl quinazolinium quaternary salts. p. 786
Smirnov, R. P., Bereznin, B. D. - Synthesis and study of the properties of macrocycles. Part 2: Electronic absorption spectra of inner-complex salts of macroheterocyclic compounds. p. 788
Kochetkov, N. K., Usov, A. I., Miroshnikov, L. I. - Polysaccharides of algae. Part 1: Water-soluble polysaccharides of *Lalngia pacifica* red alga. p. 792
Neikludov, A. D., Shekhina, L. A., Suvorov, N. N. - Amino acid and peptide derivatives of the indole series. Part 4: Synthesis of N-amino acid derivatives of indole and indoline. p. 797
Zakharova, N. A., and others. - Comparative study of antioxidant activity of alkyl-substituted phenols and terpenophenols. p. 801
Poplavskaya, I. A., Dembitskii, A. D., Gortsev, M. I. - Compounds with cytotoxic groups on α -pinene base. p. 805
Abezgauz, F. I., Sokolov, S. V. - Polyfluorocarbon compounds with cytotoxic groups. p. 809
Nemets, V. G., Rybakova, V. I., Sochilina, E. G. - Synthesis of potentially antitumoral preparations. p. 814
Nemets, V. G., Blinova, G. G., Zhilinskaya, T. D. - Di(2-chloroalkyl) amides of N-acetylphenylalanine. p. 817
Poddubnaya, N. A., Akhmed M. el' Naggar. - Structure of antibiotic albomycin. Part 18: Study of copper complexes of hexapeptides with different order of sequence and configuration of serine and ornithine. p. 819
Mikhina, M. V., Khalitskii, A. M. - Reaction of β -sitosiol oxidation by hydrogen peroxide. p. 828
Grapov, A. F., Razvodovskaya, L. V., Mel'nikov, N. N. - Organic insectofungicides. Reaction of dialkylamidoethylphosphoryl chlorides with amines and hydrazines. p. 828
Fokin, A. V., Uzun, A. T., Dement'eva, O. V. - Reactivity of 1-nitro-2-nitrosotetrafluoroethane. Part 3: Reaction of butadiene. p. 831
Fokin, A. V., Uzun, A. T., Dement'eva, O. V. - Reactivity of 1-nitro-2-nitrosotetrafluoroethane. Part 4: Reaction with hexafluorobutadiene. p. 834
Filiatov, A. S., Makarov, S. P., Yakubovich, A. I. A. - Reaction of trifluoromethanesulfonamide with amines. Fluorinated azo compounds. p. 837
Yakubovich, A. I. A., Sergeev, A. P. - Direct fluoralkylation. Part 4: Kinetics of hydrolysis of α -fluoro and α -bromovinylamines. p. 842
Yakubovich, A. I. A., and others. - Direct fluoralkylation. Part 5: Fluorovinylalkyl and fluoroalkylthioalkyl ethers. p. 847
Pinchuk, A. M., and others. - α -N-dichloroamino-nitriles. p. 852
Pinchuk, A. M., Kosluskaya, I. M., Shevchenko, V. I. - Trichlorophosphazone cyanalkyls and trichlorophosphazone cyanocycloalkyls. p. 856
Pudovik, A. N., Khushanova, N. G., Abdullina, T. A. - Addition of nucleophilic reagents to dialkyl esters of γ, γ -dimethylallylphosphonic acid. p. 860
Pudovik, A. N., and others. - Reactions of methyl- and ethyldichlorophosphine with diazetyl. p. 865
Khairullin, V. K., Eltsenkov, V. N., Pudovik, A. N. - Reaction of ethyldichlorophosphine with methacrylate and propylolite acids. p. 871
Pudovik, A. N., and others. - Interaction of half esters of ethylphosphonic and phosphorothioic acids with α -ketophosphonic esters and diacetyl. p. 876
Gozman, I. P., Kukhtin, V. A. - Cyclic endiol phosphates from reactions of dialkyl thio phosphites with α -diketones. p. 881
Bliznuk, N. K., and others. - Ethylene oxide as an acceptor of hydrogen chloride in the synthesis of dialkyl phosphites and monoalkyl phosphinites. p. 884
Bliznuk, N. K., Kvasha, Z. N., Kolomiets, A. F. - Ethylene oxide as an acceptor of hydrogen chloride in the synthesis of neutral phosphites and phosphinites. p. 880
Bliznuk, N. K., Kvasha, Z. N., Kolomiets, A. F. - Direct synthesis of alkyl(aryl)dichloro- and dibromophosphines. p. 890
Drach, B. S., Zhmurova, I. N. - Photochemical chlorination of dimer trichlorophosphazone alkyls and their fluorination by metal fluorides. p. 892
Zhmurova, I. N., Martynuk, A. P. - Reaction of phosphorus pentachloride with α -acylamines. p. 896
Shlenkova, E. K., Evdokov, V. P. - Amides and anhydrides of phosphoric acids. Part 13 Phosphorylation of mercaptans. p. 896
Kharrasova, F. M., and others. - Synthesis of arylidichlorophosphines. p. 902
TSivunin, V. S., and others. - Reaction of phosphorus pentachloride with ethylallyl sulfide. p. 903
Leyskain, G. S., Kolomiets, A. F. - Esterification of arsenic acids. p. 905
Kreshkov, A. P., Kudlakova, T. A., Borisova, R. S. - Interaction of silicic and germanic acids with alkaline and alkaline earth metal hydroxides studied by the chronocoulometric method. p. 907
Rokhsel'd, V. O., Khmizdzhneva, D. A. - Coordination bonds in boropolysiloxanes. p. 915
Chornik, N. I. A., and others. - Mass spectral study of silicon hydrocarbons with two silicon atoms separated by methylene groups. p. 917
Bellakova, Z. V., and others. - Preparation of new fluorine-containing organosilicon monomers. p. 922
Andrianov, K. A., and others. - Reaction of bis(alkylamino)dialkylsilanes with glycols. p. 928
Kadina, M. A., Ponomarev, V. A. - Synthesis and dehydrochlorination of mono- and polychloro-(γ -trifluoropropyl) ethyldichloro- and dimethyldichlorosilanes. p. 930
Zhdanov, S. I., Pozdeeva, A. A. - Reaction of ferrocene with mercury salts. p. 934
Panov, E. M., Rybakova, L. F., Kochetkov, K. A. - Reaction of organotin compounds with p-(p'-bromophenyl)- α, α' -difluoro- α -chloroethylenes. p. 938
Zakharkin, L. I., Kalinin, V. N. - Sequence of electrophilic halogenation of 1-phenylbarane, 3-phenylbarane, and 1-phenylneobutane. p. 939
Godina, D. A., Fuorman, G. P. - Absorption spectra of aqueous solutions of iodopolyvinyl borate. p. 945
Zaygorodni, V. S., Ionin, D. I., Petrova, A. A. - Unsaturated tin hydrocarbons. Part 7: Arrangement of tin-containing α -haloacetylenes. p. 949
Vlasov, V. M., Mirskova, R. G., Petrova, V. N. - Reactivity of some organotin vinyl ethers and acetals. p. 954
- Vol. 37, no. 5, May 1967.
Table of contents translated:
Gorenbein, E. I. A., Gorenbein, A. E. - Physicochemical study of the system $Cl_2/CONH_2 - Br_2$ in dichloroethane as solvent. p. 968
Shimanskaya, N. P., Pavlov, L. A., Bezugiyl, V. D. - Polarographic study of 1-hydroxysulindolines. p. 974
Stradyn', I. A. P., Kravits, I. I. A., Saldabol, N. O. - Polarographic behavior of azomethine derivatives of phenyl- and 2-furylglucose. p. 977
Fockistov, L. G., Solonari, A. S., Lialkov, I. U. S. - Polarography of organohalogen compounds. Part 4: Mechanism of hexachlorobutadiene electroreduction. p. 983

- Fedotkin, L. G., Solonari, A. S. - Polarography of organochlorine compounds. Part 5: Reduction of octachlorocyclopentene and hexachlorocyclopentadiene and formation of pentachlorocyclopentadienyl anion. p. 926.
- Zakharkin, L. I., Gavrilenko, V. V., Ivanov, L. L. - Comparative reactivity of alkyl and acetylene derivatives of aluminum. p. 992.
- Antkova, A. N., and others. - Amino derivatives of 2,4-methylene-3-methoxyxylitol. p. 997.
- Davydov, V. D., Debabov, V. G. - Synthesis of regular polypeptides containing L-ornithine. p. 1000.
- Vdovina, R. G., Karpova, A. V., Chaman, E. S. - Separation of α , β -(8-caffeine)- α -alanine and α , β -(8-theobromine)- α -alanine into optical isomers. p. 1007.
- Likhosherslov, A. M., Kulakov, V. N., Kochetkov, N. K. - Pyrrolizidine alkaloids. Part 10: Total synthesis of alkaloid viridiflorine. p. 1012.
- Voronkova, V. V., and others. - Organic insectofungicides. Part III: Study of the structure of thio- and dithiophosphates of R-substituted phosphonium by means of paper electrophoresis. p. 1017.
- Mel'nikov, N. N., and others. - Organic insectofungicides. Part II: Study of the structure of thio- and dithiophosphates of hexaalkylaminomethyl phosphonium by means of paper electrophoresis. p. 1024.
- Litvinenko, L. M., Popov, A. F., Silarskaya, T. V. - Effect of the structure of primary alkylamines on the rate of reactions with arylalcohol chlorides. p. 1028.
- Viazankin, N. S., Bochkarev, M. N., Sanina, L. P. - Bis (triethylsilyl) sulfide and related compounds. Part 2: Unsymmetrical bi- and trimetalorganic compounds. p. 1037.
- Kadina, M. A., and others. - Unsaturated fluoroalkylgermanes. p. 1040.
- Rashkes, A. M., Mamukin, Z. M., Kuchkarev, A. B. - Synthesis and characteristics of naphthyl derivatives of germanium. p. 1046.
- Uminov, V. S., Sokolov, S. V. - Preparation of bis(β , β -dichlorotrifluoroethyl) ether. p. 1048.
- Nesynov, E. P., Pel'kis, P. S. - Relation between the structure and the ultraviolet and infrared spectra of substituted esters, amides, and hydrazides of carbonic acid. p. 1051.
- Mullerstein, E. E., Izmail'skii, V. A., Efremov, V. V. - Quasi-autonomous systems in the absorption spectra of arene derivatives. Part 5: Comparison of the absorption spectra of derivatives of N-1,2',4'-dinitrophenyl-N-2-phenylethylenediamine and 2,4-dinitrophenylamine. p. 1055.
- Adunin, V. M., Khalelskii, A. M. - Synthesis of glycyrrhelic acid derivatives. Part 2: Carboxyl derivatives. p. 1063.
- Kirina, I. S., Moskalev, P. N., Mishin, V. I. A. - Thermographic study of neodymium, iron, cobalt, nickel phthalocyanines. p. 1065.
- Leshchenko, A. V., and others. - Complex compounds of metals with some nitrogen-containing ligands. Part 6: Complexes of niobium (trioxide) with aromatic and heterocyclic amines. p. 1069.
- Ginsburg, V. A., and others. - Electron transfer in reactions of nitroso compounds. Part 6: Conjugated reactions of trifluoronitrosomethane, phosphorus trichloride, and polyfluoroolefins. p. 1073.
- Ginsburg, V. A., and others. - Electron transfer in reactions of nitroso compounds. Part 7: Conjugated reactions of trifluoronitrosomethane and nitrosyl chloride with polyfluoroolefins. p. 1077.
- Ginsburg, V. A., Marynina, L. L., Vasil'eva, M. N. - Electron transfer in reactions of nitroso compounds. Part 8: Reaction of trifluoronitrosomethane with nitric oxide. p. 1083.
- Pudovik, A. N., Gur'anova, I. V., Perevzentseva, S. P. - Reaction of trialkyl phosphites with benzoylphosphine ethers. p. 1090.
- Kondrat'ev, I. U. A., Knobel', I. U. K., Ivin, S. Z. - Study of the reaction of propargyl bromide with triethyl phosphite by means of infrared spectroscopy. p. 1094.
- Lysenko, V. V., and others. - Some properties of alkylchlorophosphazone trifluoroacetyl and products of their transformations. p. 1096.
- Dogatskii, A. V., and others. - Alkoxy compounds. Part 26: Synthesis and some problems of stereochemistry of alkoxyalkyl-substituted 1,3,2-dioxaphosphorinanes. p. 1105.
- Shevchenko, V. I., Koval', A. A. - Reactions of trichlorophosphazone perchloroethyl with alcohols. p. 1111.
- Blizniuk, N. K., and others. - New synthesis of phosphates and phosphinates. Part 2: Acrylonitrile as acceptor of hydrogen chloride in the synthesis of esters of pentavalent phosphorus acids. p. 1119.
- Blizniuk, N. K., and others. - New synthesis of phosphates and phosphinates. Part 3: Acrylonitrile as acceptor of hydrogen chloride in the synthesis of esters of pentavalent phosphorus acyl chlorides. p. 1122.
- Marynina, I. V., Krugliak, I. U. L., Privetentseva, N. F. - Phosphorylated oximes. Part 1: Reaction of haloalkyl phosphites with α -chlorofluoronitrosomethanes. p. 1125.
- Marynina, I. V., Krugliak, I. U. L., Privetentseva, N. F. - Phosphorylated oximes. Part 2: Reaction of haloalkyl phosphites with α -chlorofluoroalkanes. p. 1130.
- Marynina, I. V., Krugliak, I. U. L. - Phosphorylated oximes. Part 3: Reaction of esters of α -chloro- α -nitrocarboxylic acids with trialkyl phosphites. p. 1132.
- Nifmat'ev, E. E., Fursenko, I. V. - Synthesis and alcoholysis of mixed anhydrides of 1,3-butylene phosphorous and allylcarboxylic acids. p. 1134.
- Razumova, N. A., Novitskii, K. I., Klvi, M. V. - Phosphorus-containing heterocycles. Part 10: Some derivatives of phosphonopropionic and chlorophosphonopropionic acids. p. 1138.
- Zemlianskii, N. I., Kalashnikov, V. P. - Heterocyclic dithiophosphates. Part 1: Heterocyclic chlorodithiophosphates. p. 1141.
- Ivanova, Zh. M., Stukalo, E. A., Derkach, G. I. - Fluorohydrides of isothiocyanatophosphoric acids. p. 1144.
- Shokol, V. A., Gamaleja, V. F., Derkach, G. I. - Trichloromethylchlorophosphazenes and their derivatives. p. 1147.
- Shostakovskii, M. F., Komarov, N. V., Vlasova, N. N. - Organosilicon thiovinyl ethers and some of their transformations. p. 1151.
- Voronkov, M. G., Zhagala, L. A. - Alkoxyallanes. Part 18: Alkaline hydrolysis of trimethylthoxyallane and dimethylthoxyallane. p. 1156.
- Shevchenko, G. A., Krivokhina, A. P. - Synthesis and transformations of diazomethyl- β -(trimethylsilyl) ethyl ketone. p. 1160.
- Tartakovskii, V. A., and others. - Reaction of iodotrimethane with unsaturated organosilicon compounds. p. 1163.
- Egorovskii, A. N., and others. - Synthesis of bis (triethylsilyl) sulfide and related compounds. Part 3: Infrared spectra of some bi- and trimetalorganic compounds. p. 1165.
- Ionin, B. I., Lobachev, V. B., Petrov, A. A. - Spin-spin coupling in the spectra of nuclear magnetic resonance of organophosphorus compounds. p. 1174.

*ZHURNAL STRUKTURNOI KHIMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 8, no. 2, Mar.-Apr. 1967.

Table of contents translated:

- Vladislav Vladislavovich Voevodskii. p. 187.
- Mikhailov, V. A. - Samolov's ice-like model and the thermodynamic properties of water. Examination by the Frank-Quist method. p. 189.
- Kessler, I. U. M. - Real distances of maximum saprochment of ions in aqueous solutions. p. 195.
- Lilich, L. S., Mogilev, M. E., Cherykh, L. V. - Some nonacidic properties of electrolyte solutions. p. 199.
- Perevalygin, I. S., Safiullina, N. R. - Spectroscopic study of ion hydration in solutions. Part I: Interaction of ions with nearest water molecules in organic medium. p. 205.
- Pelrenko, L. A., Pelrenko, I. U. A. - Determination of the boundary of complete solvation based on the ultrasonic data. p. 212.
- Lomanosov, S. A., Nikolayev, A. V. - Properties of anions determining the extractability of their associates with triarylmethane dyes. p. 216.
- Kulvidze, V. I., Kiselev, V. F. - Examination of phase transitions in adsorbed water by means of nuclear magnetic resonance. p. 221.
- Mank, V. V., and others. - Study of the structure of aquapoly compounds by means of proton magnetic resonance. Part 1: Molybdates and tungstates of calcium. p. 227.
- Stavitskaya, G. P., and others. - Study of hydration of epichlorohydrin by means of absorption spectra and proton magnetic resonance. p. 233.
- Stukan, R. A., and others. - Study of ferrocene compounds of iron by means of magnetic resonance. p. 239.
- Borod'ko, I. U. G., Krylova, A. E. - Interaction of BF₃ with molecular nitrogen. p. 245.
- Komar, V. P., Zhabakov, R. G., Primakov, I. V. - Infrared spectra of carbohydrates and distribution of CH groups. p. 252.
- Fedotova, T. D., and others. - Infrared character of hydrogen bonding in sol metal fluorides. p. 258.
- Azizov, M. A., Rashkes, I. A. V., Kals, M. A. - Structure of complexes formed by copper pyridinecarboxylic acid amides. p. 261.
- Klevtsov, P. V., Klevtsova, R. F., Shevchenko, V. I. - Relation between the crystalline structure and yttrium hydroxides and their spectra. p. 266.
- Epshtein, L. M. - Analysis of the vibrations of simple carbonyl compounds. Part 1: Hydroxy and acetone. p. 273.
- Finkel', A. G. - Determination of the nature of hydrocarbons of different chain lengths by infrared spectra. p. 279.
- Vol'konsheln, M. V., Zubkov, V. A. - The optical activity of the β -form of

- Artuzov, B. A., Zolova, O. D., Iuldasheva, L. K. - Dipole moments and conformation of cyclic compounds. p. 291.
- TSintsadze, G. V., Parai-Koshits, M. A., Antsyshkina, A. S. - X-ray structural examination of crystals of nickel dithioselenocyanato-tetradimethylformamide Ni(HCON(CH₃)₂)₄(NCSe)₂. p. 296.
- Andrianov, V. I., and others. - Molecular structure of borine hydrazine crystals. p. 303.
- Golovina, N. I., Atovmian, L. O. - X-ray structural examination of nitroform potassium salt. p. 307.
- Zorkii, P. M., and others. - Structural classes and subclasses of molecular crystals. p. 312.
- Levin, A. A., Syrkina, I. A., Diatkina, M. E. - Why doesn't silicon have analogs of ethylene and acetylene? p. 317.
- Krivoshel, I. V. - Method of calculating the number of isomers in the stereochemistry of complex compounds. Part 4: Multinuclear complex compounds. p. 321.
- Grushelskii, K. M., Bestseny, A. F. - Conformation of carbohydrates. Part 1: Calculation of the potential function of internal rotation. p. 325.
- Grushelskii, K. M., Bestseny, A. F. - Conformation of carbohydrates. Part 2: Calculation of potential barriers during conformational transitions in molecules. p. 332.
- Shchedrin, B. M., Levin, A. A., Parai-Koshits, M. A. - "Experimental" investigation of the effect of errors in structural amplitudes on the accuracy of determination of crystal structure in X-ray structural analysis. p. 338.
- Erkov, I. U. S., Rambold, N. G. - Theoretical expressions for the molecular component of the intensity of electron scattering and its Fourier transformations in approximation of harmonic nuclear oscillations. p. 342.
- Vilkov, L. V., Sadova, N. I. - Errors in determination of parameters in gas electron diffraction study. p. 344.
- Vilkov, L. V., Nazarenko, I. I. - Electron diffraction study of the structure of chlorodifluoramine molecule. p. 346.
- Dorosh, A. K., Skryshovskii, A. F. - Small angle maxima on intensity curves for scattering of X rays in electrolytes. p. 348.
- Chizhik, V. I. - Quadrupole relaxation of nuclei of hydrated ions. p. 350.
- Mukharov, I. A., Mukharov, E. I. - Quadrupole constants of 1,2-chlorodifluoroethane molecules. p. 352.
- Ikrani, D. D., Ruckin, E. D., Nikolayev, N. S. - Infrared spectra of acid fluorides of alkaline earth elements. p. 354.
- Petrov, K. I., Ivanov, V. I., Perviy, V. G. - Vibrational spectra of lanthanum, cerium, praseodymium, and neodymium sulfate pentahydrates. p. 356.
- Borlova, L. V., Karakina, A. V. - Infrared spectrum of a complex compound of pentavalent rhenium with thiourea. p. 359.
- Bhatnagar, Vidzal Mokhan - Infrared spectrum of apatite from Kiklavumchor deposits (Kola Peninsula, U.S.S.R.). p. 361.
- Gachkovskii, V. F. - Universal fluorescence of polymers. Part 4: Fluorescence spectrum and chain cyclization. p. 362.
- Antsyshkina, A. S., Guseynova, M. K., Parai-Koshits, M. A. - Crystal structure of cobalt formate dihydrate. p. 365.
- Udachin, I. U. M., Belova, V. I., Diatkina, M. E. - Calculation of magnetic moments of octahedral complexes of Ti(III), Mn(II), Fe(III), and Ru(III). p. 366.
- Udachin, I. U. M., Diatkina, M. E.

"DIFFERENTIAL'YE URAVNENIYA (DIFFERENTIAL
 EQUATIONS)", Moscow, vol. 3, no. 4, Apr. 1967.
 Table of contents translated
 from English - First method of Liapunov p. 531,
 Second method, E. I. - Asymptotic behavior of solutions
 of differential systems p. 579
 Section 1. A. A. - Determination of trapping areas
 1. The case of a system of linear differential equa-
 tions with periodic coefficients p. 589
 Section 2. K. I. N. - Representations of the solution to
 a system of linear differential equations near an
 irregular singular point p. 601.
 Section 3. N. F. - Study of nonlinear oscillations of
 a triode with allowance for damping, p. 619.
 Section 4. A. A. - Incorrect problems involving a
 closed irreversible operator, p. 630.
 Free 5. Z. - Linear parabolic problem in a cylinder
 infinite with respect to time, Stabilization of solu-
 tions p. 647.

Vol. 73(115), no.1, May 1987.
 Table of contents translated.
 Makar-Limanov, L.G. - Absence of limiting cycles
 in equations having a center formed by linear mem-
 bers. p.3.
 Brodskii, M.L. - Permissible uniform estimations
 of the lower bound of extensions in the mapping of
 a cube into one of higher dimensionality. p.6.
 Golovin, V.D. - Some spaces of holomorphic func-
 tions with isolated singularities. p.21.

Moscow, Moscow, June 1957.

Table of contents (translated):

Berman, D. L. - Theory of interpolation of functions of real variables, p. 3.

Boltun, L. G. - Absolute summability of conjugate Fourier integrals using G. F. Voronof's method p. 11.

Burova, A. V. - Simplified interpolation scheme of Petrovskii and the quadrature process connected with it, p. 22.

Gribanov, I. I. - Some classes of locally convex topological spaces. Part 2. p. 26.

Dombrovskaya, I. N. - First-order equations with closed operators. p. 39.

- Ivanova, N. V. - Relative force of set-theoretical operations. p. 43.
- Kas'tanluk, S. A. - Estimates of the curvature of level lines in conformal mapping with bounded distortion. p. 54.
- Kononov, I. U. P., Shimanov, S. N. - Periodic solutions to quasi-harmonic systems with delayed argument. p. 59.
- Krjukov, M. S. - Motion of a symmetric body in Lobachevskii space. p. 68.
- Maergolts, I. D. - Applicability of the method of differences in the case of special infinite domains. p. 76.
- Majeev, G. N. - Splitting a pair of complexes into a one-parameter family of pairs of T-congruences. p. 85.
- Morozov, N. F. - Galerkin's approximations to the solution of the nonlinear problem of the equilibrium of a circular symmetrically loaded plate. p. 96.
- Sasnov, V. S. - A class of LR-spaces with a perfectly reducible isotropy group. p. 101.
- Finkel'shtein, V. M. - Some classes of four-parameter fields of directions connected with nonholonomic surface of an orthogonal arbitrary congruence. p. 109.
- UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL].** Organ of Institut matematiki Akademii nauk USSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 19, no. 3, 1967.
- Table of contents translated:
- Vasil'shina, S. A., Kolomiets, V. G. - Oscillations of nonlinear systems with distributed parameters at random perturbations. p. 3.
- Vlasenko, V. F. - Summability of "diluted" series by regular positive matrix methods. p. 11.
- Il'kikh, A. G. - Theory of perturbed Kepler motion of a material point in the presence of a small tangential force. p. 21.
- Marchenko, B. G. - Characteristic functions of the functionals of processes with independent increments. p. 29.
- Oreshko, I. U. B. - Some estimates at infinity of the eigenfunctions of Schrödinger's operators. p. 39.
- Osipov, I. U. G. - Stability of motion of nonlinear control systems with many nonlinearities. p. 53.
- Petrina, D. I. A. - Completeness of amplitudes in the theory of perturbations in amplitude space. p. 62.
- Romanenko, V. N. - On the quality of control in problems affecting the analytic design of optimal regulators. p. 79.
- Belan, E. P. - The averaging method in the theory of finite-difference equations. p. 85.
- Vorob'ev, N. N. - Approximation of certain classes of continuous functions defined by Jordan arcs. p. 90.
- Gal', M. M. - Applicability of the method of averaging of functional corrections in determining the spectral density of an oscillation in a modulated pulse excitation system. p. 95.
- Gol'dberg, A. A., Ostrovskii, I. V. - Application of a theorem of U. K. Khoshman to a problem in the theory of development of probability laws. p. 104.
- Droz, I. U. A., Khilchenko, V. V. - Representations of rings lying in a matrix algebra of the second order. p. 107.
- Iykov, O. D. - Study of a class of nonlinear differential equations in Hilbert space. p. 112.
- Prizva, G. I., Simonova, S. N. - Distribution of the value of the first jump-over. p. 117.
- Ryzhov, I. M. - Additive functionals from generalized Gaussian processes. p. 122.
- Sobolevskii, P. I. - Use of operators of fractional powers in studying quasi-linear parabolic and elliptic equations and systems. p. 127.
- Syafa, G. N. - Limit theorem for an integral with a periodical kernel of a Brownian process. p. 130.
- Khelman, U. K. - On a certain power series. p. 130.
- VYCHISLITEL'NYE SISTEMY [COMPUTER SYSTEMS].** Issued by Institut matematiki Sibirskogo otdeleniya Akademii nauk SSSR [Institute of Mathematics of the Siberian Department of the Academy of Sciences of the U.S.S.R.], Novosibirsk, no. 24, 1967.
- Table of contents translated:
- Kosarev, I. U. G. - Parallel distribution by cycles. p. 3.
- Kosarev, I. U. G., Nagaev, S. V. - Loss of time by synchronization in uniform computation systems. p. 21.
- Kosarev, I. U. G., and others. - Characteristics of the use of commands in the system "Minsk-222." p. 41.
- Golovtashkina, L. V., Kosarev, I. U. G. - Program for the solution of systems of linear equations using a "Minsk-222" computer. p. 55.
- Zhukov, E. N., Budaev, G. N., Lovchenko, G. I. - Operation of the system "Minsk-222." p. 77.
- *ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 5, no. 2, Mar.-Apr. 1965.
- Table of contents translated:
- Fan Van Khap. - One method of approximate solution of singular integral equations. p. 171.
- Pukh, R. A. - Study of optimization algorithms for a number of points of quadrature formulae at a prescribed exactness of quadrature. p. 185.
- Samarskii, A. A., Kurdimov, S. P., Volosevich, P. P. - Traveling waves in a medium with non-linear thermal conductivity. p. 190.
- Rakhmatulina, A. Kh. - Asymptotic behavior of transport equations. p. 218.
- Pshenichnyi, B. N. - Algorithm for solving a non-linear problem of optimum control. p. 230.
- Malanovskii, K., Rolewicz, S. - Use of functional analysis methods in determining the optimum fast-action control of linear n-dimensional systems. p. 242.
- Isaev, V. K., Sonin, V. V. - Computation aspects of the optimum flight problem as a boundary value problem. p. 252.
- Evtushenko, I. U. G. - Asymptotic calculation of the effect of the relative motion of a satellite on the motion of its center of mass. p. 262.
- Bel'laev, S. K. - Self-similar squeezing out of gas from the surface of a circular cone or wedge with an additional shock wave. p. 274.
- Shmidt, A. G. - Oscillations of a viscous fluid of finite depth caused by the initial displacement of its free surface. p. 287.
- Mar'yuk, V. V. - Analysis of a graph of transitions for an operator scheme. p. 298.
- Mikhelev, V. M. - Codes correcting arithmetical errors. p. 311.
- Babetskiy, G. I., and others. - The ALPHA system of automatic programming. p. 317.
- Kublanovskaya, V. N. - A process of orthonormalization of a system of vectors. p. 326.
- Chernikov, S. N. - Convolution of systems of linear equations. p. 329.
- Chernikova, N. V. - Algorithm for deriving a general formula for non-negative solutions to a system of linear inequalities. p. 334.
- TSukerman, V. V. - Expansion of Gegenbauer polynomials. p. 338.
- Bel'thukov, B. A. - Relation between the coincidence method of exchanging a nucleus for a degenerated one. p. 340.
- Monastyrnyi, P. I. - An analog of A. A. Abramov's method. p. 342.
- Zhil'dikh, I. A. M. - Approximate method of solution of the Dirichlet problem for a Laplace equation in a rectangular parallelepiped. p. 345.
- Sof'mov, I. D. - Difference scheme with diagonal drift directions for solving a heat conduction equation. p. 347.
- Gusman, I. U. A., Oganesian, L. A. - Estimations of the convergence of finite-difference schemes for degenerate elliptic equations. p. 351.
- Maergolts, I. D. - Estimating the error in the numerical solution of boundary value problems for certain elliptic equations using the net-point method. p. 357.
- Liskovets, O. A. - Straight line method for one-dimensional nonstationary mixed problems and estimation of the mean square error. p. 360.
- Maikov, L. V. - Correctness of one inverse problem. p. 363.
- Sobornikov, I. U. P. - Method of division and determination of multiplicative overflow for electronic computers operating in residue number systems. p. 366.
- Gladun, V. P., and others. - Extension of the logical possibilities of the ALGOL-60 language. p. 369.
- Pshenichnyi, B. N., Onopchuk, I. N. - One application of the dual algorithm. p. 372.
- Vol. 7, no. 3, May-June 1967.
- Table of contents translated:
- Ivanov, V. V., Kudrinskii, V. I. U. - Approximate solution of linear operator equations in Hilbert space using the method of least squares. Part 2. p. 475.
- Serdukova, S. I. - Stability and uniform metric of systems of difference equations. p. 497.
- Fedoruk, M. V. - Stability in C of the Cauchy problem for difference equations and partial equations. p. 510.
- Shamanskii, V. E. - Solving boundary value problems by iterative methods. p. 541.
- Kamylin, L. I. - Principle of the maximum and boundary α -estimates of the solution to the first boundary value problem for a parabolic equation in the non-cylindrical domain. p. 551.
- Sakharova, M. P., Filippov, A. F. - Use of tabulated functions in solving the nonsteady-state problem of diffusion on an impedance wedge. p. 568.
- Ivanov, V. T. - Use of the straight line method in solving and studying some problems in electrochemistry. p. 580.
- Kozlova, I. G., Minatios, A. N. - Asymmetrical supersonic flow of an ideal or real gas past the frontal region of a solid of revolution. p. 594.
- Nguyen Lam. - Numerical method for solving a problem involving the motion of a heavy liquid along an uneven bottom. p. 609.
- Bregman, L. M. - Relaxation method for finding the generic point of convex sets and its use in solving convex programming problems. p. 620.
- Chentsov, N. N. - Pseudorandom numbers for simulating Markov chains. p. 632.
- Abramov, A. A. - Remarks on finding the eigenvalues and eigenvectors of matrices generated when using Ritz's method or the method of differences. p. 644.
- Petrov, A. P. - Estimation of linear functionals in solving some inverse problems. p. 648.
- Kats, I. S., Maergolts, M. D. - Solution of nonlinear algebraic and transcendental equations in the complex domain. p. 654.
- Romanovskaya, I. L., Khaifina, N. M. - Asymptotic behavior of confluent functions. p. 661.
- Likht, M. K. - Calculation of functionals in solving linear equations of the first order. p. 667.
- Bakushinskii, A. B. - General method for deriving regularizing algorithms for a linear incorrect equation in Hilbert space. p. 672.
- Liasheko, A. D., Kuchevskii, M. M. - Analysis of the straight line method for nonlinear elliptic equations. p. 677.
- Ait'khaev, E. T., Leonchuk, M. P. - Application of the theory of optimum control to heat conduction problems. p. 681.
- Parnpu, A. I. - Collisions of atoms with a crystal surface. p. 685.
- Rezanov, A. I. - Method for solving a wave equation with additive potential. p. 691.
- Shumey, I. I. - Periodic solutions to an equation stimulating the motion of a viscous liquid. p. 694.
- Litvak, A. K., Pankratov, V. G. - Calculation of a magnetohydrodynamic flow. p. 698.
- Pervozvanskaya, T. N. - Method for approximation in a space of specific functions in solving "bottleneck" problems. p. 704.
- Ososkov, G. A. - Use of an electronic computer to obtain random numbers with representative distribution. p. 710.
- Marchuk, G. I., Mikhailov, G. A. - First All-Union Conference on Monte-Carlo Methods. p. 714.
- f PHYSICS**
- AKADEMIA NAUK ARMIAANSKOI SSR, Erivan, Izvestia. Mekhanika [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin Mechanics].** Erivan, vol. 20, no. 2, 1967.
- Table of contents translated:
- Babolian, A. A., Gulkanian, N. O. - Torsion of a hollow hemisphere by a die. p. 3.
- Popov, G. I. A. - Approximate solution of the contact problem of an annular punch. p. 19.
- Chobanian, K. S., Mkrtchian, R. E. - General solutions of problems on finite elastic deformations caused by stretching, bulging and torsioning of sectional pipes. p. 37.
- Zaodan, M. A. - Creep of a cylindrical layer subjected to lateral bending and longitudinal stretching. p. 45.
- Kirakosian, R. M. - Bending of beams and circular plates prestressed beyond the elasticity of material. p. 56.
- *AKADEMIA NAUK SSSR, Izvestia. Fizika zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physics of the Earth].** Moscow, no. 5, May 1967.
- Table of contents translated:
- Lustikh, E. N. - Energetics of a sloping fault in the upper mantle. p. 3.
- Volarovich, M. P., and others. - Relation between the propagation velocity of longitudinal waves and the density of rocks at high hydrostatic pressure. p. 14.
- Gvozdev, A. A., Kuznetsov, V. V. - Split-off phenomena in the ground observable during seismological prospecting. p. 21.
- Barsenkov, S. N. - Calculation of the tides of the third order by means of gravimetric observations. p. 28.
- Strakhov, V. N. - Solving incorrect problems in magnetometry and gravimetry, represented by convolution type integral equations. Part 2. p. 33.
- Novoselskii, V. M. - Possible errors in determining the variable density of the horizontal bed by the gravity anomalies. p. 54.
- Dmitriev, V. I., Zakharov, E. V. - Diffraction of a plane electromagnetic field on a perfectly conducting band imbedded in a laminar medium. p. 62.
- Liubimova, E. A., Popova, A. K. - Using the method of a balloon sonde in measuring the thermal conductivity of the bottom sediments of Lake Balkal. p. 71.
- Zharkov, V. N., and others. - Overtones of the torsional vibrations of the earth. p. 75.
- Stroev, P. A., Frolov, A. I. - Subatlantic fault in the earth's crust in the boundary region of eastern Antarctica (10° w.l. - 130° e.l.). p. 88.
- Vladimirov, N. P., Krylov, S. M. - Polarization of the "pearl" type vibrations. p. 92.
- Goodekhan, A. A., Ter-Oganesov, I. A. G. - Out-of-town session of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R. in Caucasus. p. 96.
- Bune, V. I. - All-Union Symposium on Seismicity. p. 98.

*AKADEMIYA NAUK SSSR. Izvestiya. Seriya fizicheskaya
[ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series] Moscow, vol. 31, no. 4, Apr. 1987.

- Table of contents translated
1. *Table of contents of the problem* p. 3
2. *Effect of the magnetic field on the surface of a liquid* p. 3
3. *Effect of the magnetic field on the surface of a liquid* p. 3
4. *Effect of the magnetic field on the surface of a liquid* p. 3
5. *Effect of the magnetic field on the surface of a liquid* p. 3
6. *Effect of the magnetic field on the surface of a liquid* p. 3
7. *Effect of the magnetic field on the surface of a liquid* p. 3
8. *Effect of the magnetic field on the surface of a liquid* p. 3
9. *Effect of the magnetic field on the surface of a liquid* p. 3
10. *Effect of the magnetic field on the surface of a liquid* p. 3
11. *Effect of the magnetic field on the surface of a liquid* p. 3
12. *Effect of the magnetic field on the surface of a liquid* p. 3
13. *Effect of the magnetic field on the surface of a liquid* p. 3
14. *Effect of the magnetic field on the surface of a liquid* p. 3
15. *Effect of the magnetic field on the surface of a liquid* p. 3
16. *Effect of the magnetic field on the surface of a liquid* p. 3
17. *Effect of the magnetic field on the surface of a liquid* p. 3
18. *Effect of the magnetic field on the surface of a liquid* p. 3
19. *Effect of the magnetic field on the surface of a liquid* p. 3
20. *Effect of the magnetic field on the surface of a liquid* p. 3
21. *Effect of the magnetic field on the surface of a liquid* p. 3
22. *Effect of the magnetic field on the surface of a liquid* p. 3
23. *Effect of the magnetic field on the surface of a liquid* p. 3
24. *Effect of the magnetic field on the surface of a liquid* p. 3
25. *Effect of the magnetic field on the surface of a liquid* p. 3
26. *Effect of the magnetic field on the surface of a liquid* p. 3
27. *Effect of the magnetic field on the surface of a liquid* p. 3
28. *Effect of the magnetic field on the surface of a liquid* p. 3
29. *Effect of the magnetic field on the surface of a liquid* p. 3
30. *Effect of the magnetic field on the surface of a liquid* p. 3
31. *Effect of the magnetic field on the surface of a liquid* p. 3
32. *Effect of the magnetic field on the surface of a liquid* p. 3
33. *Effect of the magnetic field on the surface of a liquid* p. 3
34. *Effect of the magnetic field on the surface of a liquid* p. 3
35. *Effect of the magnetic field on the surface of a liquid* p. 3
36. *Effect of the magnetic field on the surface of a liquid* p. 3
37. *Effect of the magnetic field on the surface of a liquid* p. 3
38. *Effect of the magnetic field on the surface of a liquid* p. 3
39. *Effect of the magnetic field on the surface of a liquid* p. 3
40. *Effect of the magnetic field on the surface of a liquid* p. 3
41. *Effect of the magnetic field on the surface of a liquid* p. 3
42. *Effect of the magnetic field on the surface of a liquid* p. 3
43. *Effect of the magnetic field on the surface of a liquid* p. 3
44. *Effect of the magnetic field on the surface of a liquid* p. 3
45. *Effect of the magnetic field on the surface of a liquid* p. 3
46. *Effect of the magnetic field on the surface of a liquid* p. 3
47. *Effect of the magnetic field on the surface of a liquid* p. 3
48. *Effect of the magnetic field on the surface of a liquid* p. 3
49. *Effect of the magnetic field on the surface of a liquid* p. 3
50. *Effect of the magnetic field on the surface of a liquid* p. 3
51. *Effect of the magnetic field on the surface of a liquid* p. 3
52. *Effect of the magnetic field on the surface of a liquid* p. 3
53. *Effect of the magnetic field on the surface of a liquid* p. 3
54. *Effect of the magnetic field on the surface of a liquid* p. 3
55. *Effect of the magnetic field on the surface of a liquid* p. 3
56. *Effect of the magnetic field on the surface of a liquid* p. 3
57. *Effect of the magnetic field on the surface of a liquid* p. 3
58. *Effect of the magnetic field on the surface of a liquid* p. 3
59. *Effect of the magnetic field on the surface of a liquid* p. 3
60. *Effect of the magnetic field on the surface of a liquid* p. 3
61. *Effect of the magnetic field on the surface of a liquid* p. 3
62. *Effect of the magnetic field on the surface of a liquid* p. 3
63. *Effect of the magnetic field on the surface of a liquid* p. 3
64. *Effect of the magnetic field on the surface of a liquid* p. 3
65. *Effect of the magnetic field on the surface of a liquid* p. 3
66. *Effect of the magnetic field on the surface of a liquid* p. 3
67. *Effect of the magnetic field on the surface of a liquid* p. 3
68. *Effect of the magnetic field on the surface of a liquid* p. 3
69. *Effect of the magnetic field on the surface of a liquid* p. 3
70. *Effect of the magnetic field on the surface of a liquid* p. 3
71. *Effect of the magnetic field on the surface of a liquid* p. 3
72. *Effect of the magnetic field on the surface of a liquid* p. 3
73. *Effect of the magnetic field on the surface of a liquid* p. 3
74. *Effect of the magnetic field on the surface of a liquid* p. 3
75. *Effect of the magnetic field on the surface of a liquid* p. 3
76. *Effect of the magnetic field on the surface of a liquid* p. 3
77. *Effect of the magnetic field on the surface of a liquid* p. 3
78. *Effect of the magnetic field on the surface of a liquid* p. 3
79. *Effect of the magnetic field on the surface of a liquid* p. 3
80. *Effect of the magnetic field on the surface of a liquid* p. 3
81. *Effect of the magnetic field on the surface of a liquid* p. 3
82. *Effect of the magnetic field on the surface of a liquid* p. 3
83. *Effect of the magnetic field on the surface of a liquid* p. 3
84. *Effect of the magnetic field on the surface of a liquid* p. 3
85. *Effect of the magnetic field on the surface of a liquid* p. 3
86. *Effect of the magnetic field on the surface of a liquid* p. 3
87. *Effect of the magnetic field on the surface of a liquid* p. 3
88. *Effect of the magnetic field on the surface of a liquid* p. 3
89. *Effect of the magnetic field on the surface of a liquid* p. 3
90. *Effect of the magnetic field on the surface of a liquid* p. 3
91. *Effect of the magnetic field on the surface of a liquid* p. 3
92. *Effect of the magnetic field on the surface of a liquid* p. 3
93. *Effect of the magnetic field on the surface of a liquid* p. 3
94. *Effect of the magnetic field on the surface of a liquid* p. 3
95. *Effect of the magnetic field on the surface of a liquid* p. 3
96. *Effect of the magnetic field on the surface of a liquid* p. 3
97. *Effect of the magnetic field on the surface of a liquid* p. 3
98. *Effect of the magnetic field on the surface of a liquid* p. 3
99. *Effect of the magnetic field on the surface of a liquid* p. 3
100. *Effect of the magnetic field on the surface of a liquid* p. 3

*AKADEMIYA NAUK SSSR. Izvestiya. Seriya fizicheskaya
[ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series] Moscow, vol. 31, no. 4, Apr. 1987.

- Table of contents translated
1. *Effect of the magnetic field on the surface of a liquid* p. 3
2. *Effect of the magnetic field on the surface of a liquid* p. 3
3. *Effect of the magnetic field on the surface of a liquid* p. 3
4. *Effect of the magnetic field on the surface of a liquid* p. 3
5. *Effect of the magnetic field on the surface of a liquid* p. 3
6. *Effect of the magnetic field on the surface of a liquid* p. 3
7. *Effect of the magnetic field on the surface of a liquid* p. 3
8. *Effect of the magnetic field on the surface of a liquid* p. 3
9. *Effect of the magnetic field on the surface of a liquid* p. 3
10. *Effect of the magnetic field on the surface of a liquid* p. 3
11. *Effect of the magnetic field on the surface of a liquid* p. 3
12. *Effect of the magnetic field on the surface of a liquid* p. 3
13. *Effect of the magnetic field on the surface of a liquid* p. 3
14. *Effect of the magnetic field on the surface of a liquid* p. 3
15. *Effect of the magnetic field on the surface of a liquid* p. 3
16. *Effect of the magnetic field on the surface of a liquid* p. 3
17. *Effect of the magnetic field on the surface of a liquid* p. 3
18. *Effect of the magnetic field on the surface of a liquid* p. 3
19. *Effect of the magnetic field on the surface of a liquid* p. 3
20. *Effect of the magnetic field on the surface of a liquid* p. 3
21. *Effect of the magnetic field on the surface of a liquid* p. 3
22. *Effect of the magnetic field on the surface of a liquid* p. 3
23. *Effect of the magnetic field on the surface of a liquid* p. 3
24. *Effect of the magnetic field on the surface of a liquid* p. 3
25. *Effect of the magnetic field on the surface of a liquid* p. 3
26. *Effect of the magnetic field on the surface of a liquid* p. 3
27. *Effect of the magnetic field on the surface of a liquid* p. 3
28. *Effect of the magnetic field on the surface of a liquid* p. 3
29. *Effect of the magnetic field on the surface of a liquid* p. 3
30. *Effect of the magnetic field on the surface of a liquid* p. 3
31. *Effect of the magnetic field on the surface of a liquid* p. 3
32. *Effect of the magnetic field on the surface of a liquid* p. 3
33. *Effect of the magnetic field on the surface of a liquid* p. 3
34. *Effect of the magnetic field on the surface of a liquid* p. 3
35. *Effect of the magnetic field on the surface of a liquid* p. 3
36. *Effect of the magnetic field on the surface of a liquid* p. 3
37. *Effect of the magnetic field on the surface of a liquid* p. 3
38. *Effect of the magnetic field on the surface of a liquid* p. 3
39. *Effect of the magnetic field on the surface of a liquid* p. 3
40. *Effect of the magnetic field on the surface of a liquid* p. 3
41. *Effect of the magnetic field on the surface of a liquid* p. 3
42. *Effect of the magnetic field on the surface of a liquid* p. 3
43. *Effect of the magnetic field on the surface of a liquid* p. 3
44. *Effect of the magnetic field on the surface of a liquid* p. 3
45. *Effect of the magnetic field on the surface of a liquid* p. 3
46. *Effect of the magnetic field on the surface of a liquid* p. 3
47. *Effect of the magnetic field on the surface of a liquid* p. 3
48. *Effect of the magnetic field on the surface of a liquid* p. 3
49. *Effect of the magnetic field on the surface of a liquid* p. 3
50. *Effect of the magnetic field on the surface of a liquid* p. 3
51. *Effect of the magnetic field on the surface of a liquid* p. 3
52. *Effect of the magnetic field on the surface of a liquid* p. 3
53. *Effect of the magnetic field on the surface of a liquid* p. 3
54. *Effect of the magnetic field on the surface of a liquid* p. 3
55. *Effect of the magnetic field on the surface of a liquid* p. 3
56. *Effect of the magnetic field on the surface of a liquid* p. 3
57. *Effect of the magnetic field on the surface of a liquid* p. 3
58. *Effect of the magnetic field on the surface of a liquid* p. 3
59. *Effect of the magnetic field on the surface of a liquid* p. 3
60. *Effect of the magnetic field on the surface of a liquid* p. 3
61. *Effect of the magnetic field on the surface of a liquid* p. 3
62. *Effect of the magnetic field on the surface of a liquid* p. 3
63. *Effect of the magnetic field on the surface of a liquid* p. 3
64. *Effect of the magnetic field on the surface of a liquid* p. 3
65. *Effect of the magnetic field on the surface of a liquid* p. 3
66. *Effect of the magnetic field on the surface of a liquid* p. 3
67. *Effect of the magnetic field on the surface of a liquid* p. 3
68. *Effect of the magnetic field on the surface of a liquid* p. 3
69. *Effect of the magnetic field on the surface of a liquid* p. 3
70. *Effect of the magnetic field on the surface of a liquid* p. 3
71. *Effect of the magnetic field on the surface of a liquid* p. 3
72. *Effect of the magnetic field on the surface of a liquid* p. 3
73. *Effect of the magnetic field on the surface of a liquid* p. 3
74. *Effect of the magnetic field on the surface of a liquid* p. 3
75. *Effect of the magnetic field on the surface of a liquid* p. 3
76. *Effect of the magnetic field on the surface of a liquid* p. 3
77. *Effect of the magnetic field on the surface of a liquid* p. 3
78. *Effect of the magnetic field on the surface of a liquid* p. 3
79. *Effect of the magnetic field on the surface of a liquid* p. 3
80. *Effect of the magnetic field on the surface of a liquid* p. 3
81. *Effect of the magnetic field on the surface of a liquid* p. 3
82. *Effect of the magnetic field on the surface of a liquid* p. 3
83. *Effect of the magnetic field on the surface of a liquid* p. 3
84. *Effect of the magnetic field on the surface of a liquid* p. 3
85. *Effect of the magnetic field on the surface of a liquid* p. 3
86. *Effect of the magnetic field on the surface of a liquid* p. 3
87. *Effect of the magnetic field on the surface of a liquid* p. 3
88. *Effect of the magnetic field on the surface of a liquid* p. 3
89. *Effect of the magnetic field on the surface of a liquid* p. 3
90. *Effect of the magnetic field on the surface of a liquid* p. 3
91. *Effect of the magnetic field on the surface of a liquid* p. 3
92. *Effect of the magnetic field on the surface of a liquid* p. 3
93. *Effect of the magnetic field on the surface of a liquid* p. 3
94. *Effect of the magnetic field on the surface of a liquid* p. 3
95. *Effect of the magnetic field on the surface of a liquid* p. 3
96. *Effect of the magnetic field on the surface of a liquid* p. 3
97. *Effect of the magnetic field on the surface of a liquid* p. 3
98. *Effect of the magnetic field on the surface of a liquid* p. 3
99. *Effect of the magnetic field on the surface of a liquid* p. 3
100. *Effect of the magnetic field on the surface of a liquid* p. 3

- Dzhelepos, B. S., and others. - Alpha-decay of ^{225}Ac , ^{227}Fr , and ^{217}At . p. 568.
- Dzhelepos, B. S., Lutsengari, M. A., Shestopalova, S. A. - Sign of angular γ -correlations in the case of ^{172}Yb de-excitation. p. 581.
- Gnatovich, V., and others. - Three-quasi-particle levels in ^{163}Er . p. 597.
- Bondarenko, V. A., Prokof'ev, P. T. - ^{165}Dy levels excited during the radiative capture of neutrons. p. 598.
- Vrzal, I. A., and others. - System of collective levels of $^{17}\text{K}^{0+}$ type in the ^{164}Er nucleus. p. 604.
- Kepanets, E. G., and others. - Studying γ -rays from the reaction of inelastic scattering of pions by ^{34}S nuclei. p. 626.
- Kopanets, E. G., and others. - Quantum characteristics of 3.01 and 2.65 Mev. levels of the ^{135}Cs nucleus. p. 631.
- Koval', A. A., and others. - Studying γ -rays from the $^{26}\text{Mg}(p,\gamma)^{27}\text{Al}$ reaction at $E_p=2322$ KeV. p. 637.
- Ievlev, I. P., and others. - Low-lying levels of ^{37}Cl nuclei. p. 645.
- Weiss, M., Kokes, A. - Beta-spectrometer with intermediate image adapted for measuring β -coincidences. p. 650.
- Berson, I. A., and others. - Values of the reduced magnetic dipole transition probabilities in ^{102}Ru . p. 658.
- Bukal, G. M. - Influence of the core excitation effect on the energy spectra of pairs of nuclei. p. 660.
- Birbrair, B. L. - Easy method for finding effective external fields in superfluid atomic nuclei. p. 663.
- Dzhelepos, B. S., Kalinichev, I. U. V., Sergeev, A. G. - ^{151}Pr level scheme. p. 670.
- Bukal, G. M., Pollavskaya, N. A. - Optimization of phenomenological parameters of the effective interaction in a problem on nuclear spectra. p. 680.
- Peker, L. K. - Rotational levels with large spin in even-even isotopes ^{84}Kr , ^{86}Kr , ^{88}Kr , ^{90}Kr . p. 683.
- Suslov, I. U. P. - Values of functions determining the probability of β -decay. Part 2. Forbidden transitions. p. 688.
- Vrzal, I. A., and others. - ^{106}Rh decay. p. 696.

Vol. 31, no. 5, May 1987.

- Table of contents translated
- Telesin, R. V., and others. - Studying the laws governing the creeping processes of domain boundaries in sinusoidal and pulsed fields. p. 702.
- Kirenski, L. V., and others. - Some magnetic properties of the epitaxial films of iron, nickel, cobalt, and of their alloys. p. 716.
- Shur, I. A., and others. - Size effect of the crystal grain on the anisotropy and magnetic properties of thin Permalloy films. p. 728.
- Glazer, A. A., and others. - Temperature dependence of the magnetic properties of thin Permalloy-manganese films with exchange anisotropy. p. 735.
- Ivanov, K. S., Smagin, V. A. - Stability of the domain structure of thin magnetic films. p. 739.
- Vedushkhi, G. A., and others. - Use of the method of differential magnetic susceptibility in determining magnetic characteristics of thin ferromagnetic films. p. 743.
- Dement'ev, S. K., and others. - Subharmonic oscillations in thin Permalloy films. p. 747.
- Kostikov, V. A. - Domain structure of a thin Permalloy film subjected to an high-frequency magnetic field. p. 750.
- Zharikov, G. P., Oleinik, L. I. - Coercive force of thin magnetic films. p. 758.
- Palatnik, L. S., and others. - Magnetic reversal of "supercritical" Permalloy films. p. 764.
- Kuroedov, K. A. - Properties of films deposited on previously deformed backings. p. 768.
- Kuroedov, K. A. - Problem of the origin of stress in magnetic films. p. 771.
- Berezniakov, A. I., Mil'ner, A. S. - Magnetization of finely divided nickel films at various temperatures. p. 774.
- Golovnev, I. U. F., and others. - Measuring the binding energy in two-layer ferromagnetic films. p. 779.
- Dukhanina, M. I., Kiliukin, L. M., Fabrikov, V. A. - Diffraction of light on a magnetic film. p. 783.
- Andronikashvili, E. L. - Introductory remarks. p. 786.
- Fofilov, P. P. - Anisotropy of natural and impurity defects and the polarized luminescence of ionic crystals. p. 788.
- Zazubovskiy, S. G., Lushchik, N. E. - Anisotropy of luminescence and microstructure of luminescence centers in activated ionic crystals. p. 798.
- Kats, M. L., Glunberg, K. E. - Spectral characteristics and electron-oscillatory transitions in I-type centers of NaCl-Cu and KCl-Cu. p. 803.
- Kats, M. L., Golubentseva, L. I. - Luminescence of II-type centers in alkali halide crystal phosphors activated by lead. p. 805.
- Brachkovskaya, M. D., Karapetian, G. O., Udin, D. M. - Color centers in glasses with neodymium. p. 807.
- Karapetian, G. O., Udin, D. M., Galimov, D. G. - Local charge compensation in glasses. p. 809.

- Luntor, S. G., Karapetian, G. O., Udin, D. M. - Spectral characteristics of manganese-activated glasses. p. 811.
- Zimiyova, I. A., and others. - Spectral characteristics of fluoroborated glasses activated by rare earths. p. 814.
- Zhilich, A. G., Natarov, A. I., Ryshko, A. I. - Calculating the crystal field potential in ionic crystals allowing for the electric structure of ligands. p. 820.
- Lushchik, Ch. D., Vale, H., Elango, M. - Fluorescence excitation of ionic crystals and elementary mechanisms underlying the production of color centers. p. 820.
- Davilashvili, T. Sh., Polkov, N. G. - Radiative and mechanical changes of color center parameters. p. 820.
- Parfannovich, I. A., Shurdeva, E. I., Ivakhnenko, P. S. - Problem of X-ray power conversion in europium-activated alkali halide crystals. p. 831.
- Parfannovich, I. A., Ivakhnenko, P. S., Shurdeva, E. I. - Change of impurity centers induced by ionizing radiation in europium-activated alkali halide crystals. p. 835.
- Kongauz, V. G., Parfannovich, I. A. - Radiation equilibrium of the production process of color centers in NaCl-Ni phosphor. p. 839.
- Alimov, Sh. A., Novoselov, B. M. - Some structural centers in phosphors based on CaSiO_3 . p. 842.
- Elango, A. - Dislocation structure and optical phenomena in filamentary ionic crystals. p. 845.
- Kosovitch, A. M., Margvelashvili, I. G. - Fluorescence wave and sound wave combination in crystals. p. 845.
- Dokhov, R. D., Orlov, A. N. - Use of the method of computer mathematics in studying the defect configurations in crystals. p. 851.
- Vitol, I. K., Bugin, I. R., Zharov, V. I. - Models of color and hole processes in alkali halide crystals. p. 854.
- Panova, A. N., Shitan, N. V. - Optical properties of cesium iodide crystals with alkali metal impurities. p. 859.
- Makankov, B. I. - Studies in the field of photochemistry of crystals of fluorine compounds. p. 863.

AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent, Izvestiya
Soyuznaya matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]. 1987, vol. 8, no. 5, 1987.

- Table of contents translated
- Arzhanykh, I. S. - Analytic functions of group representations and some of their applications. p. 5.
- Kogan, I. A. - Exact formulae for the representation of numbers by certain quadratic forms. p. 11.
- Konushchikov, K. K. - Some quadratic forms. p. 16.
- Saifutdinov, A. - Streamlining of a permeable cylinder by a source. p. 21.
- Futlibayev, E. P. - Some properties of solutions of nonlinear second-order differential equations related to exactly integrable ones. p. 34.
- Starodubtsev, S. V., and others. - Measurement of neutron spectra by a single-crystal spectrometer on a thermal column. p. 37.
- Adrovich, E. I., Aronov, D. A. - Theory of the photoconductivity of semiconductors induced by laser illumination. p. 41.
- Avak'yan, G. M., and others. - Some properties of induction selenium rectifiers. p. 53.
- Atakutov, D. A. - Study of the straight branch volt-ampere characteristics of long semiconductor diodes. p. 58.
- Asadullin, A. A., Khodzhev, I. B. - Parametric representation of the product of Green's functions in quantum mechanics. p. 63.
- Muminov, M. - Radioactivity in the most widespread weeds. p. 68.
- Ovcharenko, V. P. - Barochronic forecasting of a pressure field. p. 71.
- Starodubtsev, S. V., Gurskii, M. N., Tolst, A. M. - Liquid scintillator for measuring the absorbed doses of nuclear radiation in mixed neutron fields. p. 75.
- Rusak, B. I. - Natural system of units in elementary particle physics. p. 76.
- Aronov, D. A. - One possible method for controlling the direct current intensity in a semiconductor diode. p. 78.
- Kromer, P. F. - Temperature dependence of the depth of impurity levels in semiconductors and the effect of this dependence on the equilibrium concentration of current carriers. p. 80.

Vol. 11, no. 3, 1987.

- Table of contents translated
- Azhymudinov, T., Mannurdiyev, G. - Representation of the eigenvalues of the first boundary value problem in the theory of elasticity by an integral over the contour. p. 3.
- Dzhurnev, T. D. - Existence and uniqueness of the solutions to some boundary value problems for mixed type equations. p. 10.
- Zimorovich, V. A., Achilov, Kh. - A class of schlicht mappings of a circular ring. p. 17.
- Zinunov, N. Z. - Integration of equations of motion of holonomic nonconservative systems. p. 23.

- Rakhmatova, Kh. R. - Analytic solutions to an equation of infinite order with polynomial coefficients p. 29.
- Formanov, Sh. K. - Local theorems for Markov chains p. 34.
- Arifov, U. A., and others. - Use of the cylindrical capacitor method in studying the energy distribution of electrons emitted from a molybdenum specimen in bombarding inert gases with ions and atoms, p. 40.
- Starodubtsev, S. V., and others. - Studying electro-magnetic transitions in some odd nuclei, p. 45.
- Moshkin, I. A. - Filamentary cathode with emitters from thorium and yttrium oxides and a core from a VR-20 alloy, p. 53.
- Begzhanov, R. B., and others. - Spectral study of In^{115} , p. 57.
- Dzhakalimov, E., Mamatkulov, R. - Theory of two-photon retardation efficiency as apparent in optical phonons in semiconductors, p. 63.
- Starodubtsev, S. V., Khrushchev, B. I., Shadmanov, R. Sh. - Dependence of the degree of polarization of neutrons on the material of the specimen and the transmission, p. 67.
- Mirzakhmedov, M. A. - Linear estimates of the coefficients of regress of a random field p. 70.
- Krylov, B. E., and others. - Study of the stabilizability of the gas permeability of a layer of chloro on a coil-type refrigerator with the aid of radioisotopes, p. 71.
- Sergei Vasil'evich Starodubtsev, obituary, p. 73.
- АКУСТИКА И УЛЬТРАЗВУК [ACOUSTICS AND ULTRASONICS]**, Kiev, no. 2, 1966.
- Table of contents translated:
- Kotnev, A. V., Protopopov, R. V. - Crystallization from supersaturated solutions in ultrasonic fields, p. 3.
- Makarova, T. V. - Experimental study of the effect of ultrasound on the extraction of dyes from the solid parts of grapes, p. 17.
- Glavatskii, D. E. - Use of the ultrasound for purification of tartaric acid solutions, p. 31.
- Korinev, A. V., Protopopov, R. V., Kononova, I. I. - Experimental study of the effect of ultrasound on the process of wine fining, p. 34.
- Chikhalov, R. T., Boishvili, L. I., Askarov, M. A. - Results in studying the ultrasonic sterilization of Georgian natural slightly sweetened wines, p. 47.
- Semenova, N. G. - Studying the applicability of ultrasonic vibrations for the removal of surface contaminations of silicon emulsions, p. 51.
- Pioniskii, A. F. - Effect of dielectric losses on the Q-factor of piezoelectric resonators, p. 56.
- Pioniskii, A. F. - Stability coefficient of a piezo-electric resonator, p. 60.
- Dolinskii, B. A., Sinii, L. L. - Ultrasonic method of checking the flow of gas - liquid system in a porous medium, p. 63.
- Polapova, N. P. - Studying the effect of ultrasound on the flow of pure liquid through porous barriers, p. 70.
- Labelakli, V. V., Pashonichnikov, I. U. V. - Making 0.06 - 0.3 mm diameter holes with the A209, 05-type ultrasonic precision machine-tool, p. 77.
- Askarov, M. A. - Ultrasonic defectoscopy of large-diameter pipes, p. 80.
- Skrupnik, E. I., and others. - Demulsification of petroleum by a new method with the application of ultrasound, p. 84.
- Koritskii, I. G. - Use of ultrasound for measuring the internal stresses in metals, p. 87.
- Lubo, V. M., and others. - Testing the use of ultrasound in preventing the formation of incrustation in low-power boilers, p. 93.
- Gindia, A. P., Gorshkova, L. V. - Using ultrasonic vibrations for the intensification of the process of nickel plating, p. 96.
- Gindia, A. P. - Preliminary data on the effect of ultrasonic vibrations on the process of electro-chemical oxidation of potassium manganate to potassium permanganate, p. 102.
- ФИЗИКА В ШКОЛЕ [PHYSICS IN SCHOOLS]**, Organ of Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.], Moscow, vol. 27, no. 3, 1967.
- *GEOMAGNETIZM I AERONOMIJA [GEOMAGNETISM AND AERONOMY]**, Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.], Moscow, vol. 7, no. 1, 1967.
- Table of contents translated:
- Fomichev, V. V., Chertok, I. M. - Nature and geological effectiveness of agents causing solar radio bursts of the II and IV type, p. 3.
- Ivanov, K. G. - Interpretation of the duration of sudden onset of magnetic storms observed by "Elektron-2," p. 7.
- Krymekii, G. F., and others. - Distribution of cosmic rays and the receiving vectors of detectors, Part 2: Methods in studying cosmic ray distribution, p. 11.
- Dorman, L. I. - Finding the true waves and parameters of the simultaneous amplitude - phase modulations of periodic variations of cosmic rays by the experimental data on satellites, p. 16.
- Dorman, L. I., and others. - Possibility of detecting cosmic ray intensity variations on the basis of sidereal time, p. 23.
- Luzov, A. A., Lopato, T. N. - Effectiveness of "ineffective" magnetic storms in cosmic rays, p. 29.
- Smirnova, V. V. - Instability of the disturbed zone in the vicinity of a body in a plasma subjected to electron emission from its surface, p. 33.
- Veselovskii, I. S. - Propagation of sound in a partially ionized plasma, p. 45.
- Gorbushina, G. N., Kuznetsov, S. N. - Relation between irregular phenomena in the ionosphere of the auroral zone and the disturbances in the outer radiation belt, p. 55.
- Starkov, G. V., Fel'dshtein, I. A. I. - Boundary variation of the auroral oval zone, p. 62.
- Starkov, G. V., Fel'dshtein, I. A. I. - Orientation of the extended auroral forms, p. 72.
- Mal'ko, L. N. - Frequency of the appearance of auroras in Murmansk in the years of the maximum and minimum of solar activity, p. 78.
- Ivanov-Kholodnyi, G. S. - Ion composition and variations of the effective recombination coefficient in the ionosphere, p. 83.
- Sharadze, Z. S., Kyavadze, D. K. - Vertically moving disturbances and the structure of the ionosphere, p. 95.
- Khocholava, G. M. - Causes of two types of anomalous absorption in the polar cap, p. 100.
- Ginzburg, E. I. - Disturbances of the lower ionosphere by radio pulse, p. 104.
- Triskova, L., Samardzhev, D. T. - Use of the method of forward scattering of ultrashort waves in studying E_s layer in middle latitudes, p. 110.
- Kalinin, I. U. K., Vekhvatskii, I. S. - Calculation method of the signal intensity along the shortwave route, p. 118.
- Kerblat, T. S., Kovalevskaya, E. M. - Calculating the maximum usable frequency in the case of horizontal inhomogeneity of the ionosphere, p. 123.
- Kleimenova, N. G., and others. - Observations of ultraviolet-frequency radiation in conjugate points, p. 128.
- Andreeva, L. A., and others. - Determining wind velocity and diffusion coefficient with the aid of an artificial luminous cloud, p. 134.
- Mishina, N. A. - Semiannual variation of the magnetic activity, p. 138.
- Moskvina, I. U. I., Frank-Kamenetskii, D. A. - Geomagnetic micropulsations and the solar wind, p. 144.
- Nodla, M. Z., Kutsishvili, N. A., Khvedelidze, N. S. - Cyclic fluctuations of secular variations of the geomagnetic field in Tiflis, p. 149.
- Golovkov, V. P., Pashkov, A. N. - Reversible magnetostatic of magnetite, p. 156.
- Karklin, V. P. - Secular variations of the amplitudes of free and forced motions of earth's pole, p. 160.
- Kapustin, I. N. - Selection of the dead time of the radio transmission line of a new supermonitor, p. 165.
- Abbasov, A. R. - Effect of a magnetic field on the stream of radio-frequency radiation of sources related to spot groups, p. 170.
- Ermakov, F. A. - Forceless magnetic field with a normal potential, p. 171.
- Dorman, L. I., Okulov, I. U. I. - Maximum energy of the monopole in the field of earth's magnetic dipole, p. 173.
- Nikolaev, I. U. M. - Modulation of galactic cosmic rays due to processes in the active regions of the sun, p. 174.
- Fel'dshtein, I. A. I., Lukina, L. V., Shevina, N. F. - Auroras during the period of the minimum of solar activity, p. 177.
- Nadubovich, I. U. A. - Structure of the diurnal variation of the auroral activity in Tikal Bay, p. 179.
- Grigor'ev, G. I. - Adiabatics of inner gravity waves in the ionosphere, p. 181.
- Pollakov, V. M. - Vortical distribution of electron-ion gas in the case of weak sources of the diffusion stream, p. 183.
- Sharadze, Z. S., Kyavadze, D. K. - Vertically moving disturbances in the ionosphere at night time, p. 186.
- Drobzhov, V. I. - Checking the initial assumptions and criteria of the applicability of the correlation analysis, p. 190.
- Staronov, A. A. - Variations of the cutoff frequency of sporadic E layer, p. 192.
- Fligel', M. D. - Recalculation of radio wave absorption value from the vertical to the inclined fall, p. 193.
- Gorshkova, V. E. - Effect of statistical properties of the ionosphere on the measuring of radio wave absorption, p. 194.
- Pochtarev, V. I., Glushkova, E. P. - Cartographic representation of diurnal geomagnetic variations, p. 197.
- Fel'dshtein, I. A. I. - Frequency of the appearance of intensive geomagnetic disturbances in high latitude of the northern hemisphere, p. 200.
- Fel'dshtein, I. A. I., Zaitsev, A. M. - Variation of a magnetic field in high latitudes on calm days in the summer of 1957, p. 204.
- Zaitsev, I. M. - Magnetic activity at subpolar and middle latitudes, p. 206.
- Bakhr, L. V., Liatskii, V. B., Selivanov, V. P. - Relation between PP and the variations of aurora luminosity, p. 208.
- Adam, N. V., and others. - Comparison of the calculated geomagnetic field with the one measured by the artificial satellite "Cosmos-49," p. 210.
- *ADERNAIA FIZIKA. JOURNAL OF NUCLEAR PHYSICS**, Issued by Akademiya nauk SSSR and Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii SSSR [Academy of Sciences of the U. S. S. R. and the State Committee on the Use of Atomic Energy of the U. S. S. R.], Moscow, vol. 6, no. 5, May 1967.
- Table of contents translated:
- Riabov, I. U. V., and others. - Parameters of the levels in Pu^{239} , p. 925.
- Bondarenko, V. A., Prokof'ev, P. T., Simonova, L. I. - Spectra of conversion electrons emitted during thermal neutron capture by Eu^{151} and Eu^{153} , p. 929.
- Ad'iashev, B. P., and others. - Elastic scattering of polarized protons by helium at low energies, p. 933.
- Kuz'min, V. A., Ostroumov, V. I. - Energy and angular distribution of α -particles in (n, α) -reaction on Ag and Br nuclei, p. 937.
- Wilezynski, J., Villov, V. V., Decowski, P. - Some characteristics of the mechanism underlying the many-nucleon transfer reactions, p. 942.
- Shovchenko, N. G., and others. - Scattering of 225 Mev. electrons by Fe^{59} and Ni^{63} nuclei, p. 948.
- Karamian, S. A., and others. - Nuclear fission into three fragments by heavy ions, p. 959.
- Fomushkin, E. F., and others. - Cross sections and angular anisotropy of fragments in the case of fission of some plutonium, americium, and curium isotopes by fast neutrons, p. 966.
- Kamerdzhev, S. P. - β - β -transitions and the effective quadrupole charge in odd near-magic nuclei, p. 971.
- Kopylov, I. V. - Analysis of the twice-forbidden β -transitions, p. 976.
- Zaretskii, D. F., Urin, M. G. - Nature of the analog states in heavy nuclei, p. 993.
- Berlovich, E. E. - Properties of nuclei of the transition region; odd nuclei in the Os region, p. 998.
- Rabotnov, N. S., Soragin, A. A. - Collective excitations of weakly deformed nuclei, p. 999.
- Osadchiv, V. M., Troitskii, M. A. - Relation between nuclear masses, p. 1001.
- Inopin, E. V. - Total cross sections of neutron interaction with oriented nuclei, p. 1008.
- Tishchenko, B. I., Mel'nik, I. U. P. - Using the method of complex angular momenta in the theory of diffraction scattering, p. 1012.
- Vorotnikov, P. E. - Direct excitation of the fission degrees of freedom of a nucleus at low energies, p. 1021.
- Guler, R. S., Krestnikov, I. U. S., Muralova, T. A. - Modeling of radiative decays and geometrical characteristics of the particle decay according to the scheme $X^0 \rightarrow Y^0 + \gamma \rightarrow 3\gamma$, p. 1028.
- Troitskii, E. F. - Measuring the transverse polarization of the internal conversion electrons accompanying the β -decay, p. 1037.
- Ankina, M., and others. - Searching for "long-lived" A^0 -hyperons, p. 1042.
- Potrubkin, V. I., Pogorelov, V. S., Prokoshkin, I. U. D. - Studying the mechanism of radiative capture of π -mesons by complex nuclei, p. 1045.
- Bom, I. A., and others. - Studying the $\pi^+ + p \rightarrow \pi^+ + \pi^+ + m^+$ and $\pi^- + p \rightarrow 2\pi^+ + 2\pi^- + m^- + n$ reactions involving 4 GeV/c π -mesons, p. 1054.
- Aref'ev, A. V., and others. - Determining the π - π -interaction cross section from the reaction of pion production by pion on hydrogen with small momenta transmitted to the nucleus, p. 1060.
- Musin, M. A., Petrubkin, V. I., Prokoshkin, I. U. D. - Measuring the probability ratios of the $\pi^+ d \rightarrow nn$ and $\pi^- d \rightarrow nn$ reactions, p. 1072.
- Torontov, M. V. - Nonconservation of vector current and the minimum of electromagnetic interaction, p. 1076.
- Vainshteyn, A. I., Sokolov, V. V., Khriplovich, I. B. - Production of π -mesons at the threshold in neutrino reactions, p. 1088.
- Kol'mor, S. R. - Pair production in collision of a fast particle with a nucleus, p. 1092.
- Orlov, I. I., Parfenov, I. U. V. - Higher partial waves in low-energy π -scattering, p. 1102.
- Achasov, N. N. - Phenomenological lepton mass formulae and the symmetry groups, p. 1110.

- Sokolov, I. U. N. - Interaction between the flow in the channel of a river and that over its floodplain when their dynamic axes are not paralleled, p. 82.
- Morozov, G. A. - Calculation of the change of the density of snow cover under the effect of diffusion, convection, volatilization, and sublimation of water vapor in it, p. 98.
- D'in, G. P., Rublev, P. A. - Spectral characteristics of large-scale turbulence in the free atmosphere, p. 104.
- Koren', V. I., Kuchment, L. S. - Formation of boundary conditions in numerical integration of Saint Venant equations, p. 105.
- Tsyvondorzh, D. - Hydrometeorological service of the Mongolian People's Republic, p. 108.
- MOSCOW. UNIVERSITET. Vestnik. Seriya 3: Fizika, astronomiya [UNIVERSITY. Review. Series 3: Physics, Astronomy]. Vol. 22, no. 2, Mar.-Apr. 1987.**
- Table of contents translated:
- Shikin, G. N. - Problems of particulate solutions to nonlinear equations of an electromagnetic field, p. 3.
- Lobanov, I. U. N., Lonskil, E. S., Urazakov, E. I. - Interaction forces of an electromagnetic wave with a plasmoid, p. 10.
- Moderov, V. P., Obratsov, A. I., Platonova, L. M. - Theoretical and experimental study of the rotation of the plane of polarization in a circular wave guide with a ferrite rod, p. 16.
- Urazakov, E. I. - Flight of a circularly charged plasmoid along the axis of a semi-infinite circular wave guide, p. 22.
- Naumov, A. I. - Perturbation theory and indefinite metrics, p. 20.
- Gostev, V. D. - Fixed source model and multiple processes, p. 37.
- Voskreslan, A. G., Pivovarov, A. A., Khundzhua, G. G. - Observation method of temperature stratification in the sea, p. 43.
- Isanin, V. G., Roshal', A. S. - Waves of electron stream in a resonator with transverse sinusoidal electric field, p. 50.
- Konev, F. B., Kuznetsov, I. U. I. - Use of the method of root trajectories in studying nonlinear system of the third order with lag, p. 56.
- Kostadinov, I. Z., Protkova, I. A. G. - Coefficient of optical absorption on free charge carriers, p. 61.
- Choudhury, R. K. - Comparison of the solutions to the problem of two fixed centers in quadratures and series, p. 70.
- Goriaga, A. N., Volkova, N. V. - Studying exchange interactions in lithium ferrires-aluminates, p. 75.
- Fyrkin, I. U. G., Pivovarov, A. A., Khundzhua, G. G. - Method of experimental study of velocity distribution of bottom currents, p. 81.
- Golovko, V. A. - Studying the waves in crystals in conditions close to the conditions for crystallization, with the aid of Vlasov's equation, p. 85.
- Kulikov, O. F., Iarov, A. S. - Natural collimation of synchrotron radiation and axial dimensions of an electron bunch, p. 94.
- Sukharovskaya, O. I. U. - Nonlinear transformation of transverse sound waves into longitudinal sound waves in the case of acoustic detection, p. 96.
- Munib Adel' Khalil, Romanovskii, E. A., Timushev, G. F. - Proton polarization in the case of inelastic scattering on nickel isotopes, p. 98.
- Kurdgaladze, D. F. - Construction of the field theory in Friedman's space, p. 100.
- Doim, A. B., Glasko, V. B., Reikhrudel', E. M. - Mechanism of "delaying" the ignition of high-voltage impulsive discharge at low pressure, p. 103.
- Shikin, G. N. - Problem of nonstationary solutions to nonlinear equations of a scalar field, p. 107.
- Mobonilla, D. V. - Distortion effect in (e, e')-type reactions, p. 112.
- Sanin, A. A., Zharko, A. V., Kuz'mitskii, A. I. - Proportional counter with a large window, p. 115.
- Zhigal'skii, G. P. - Effect of a permanent magnetic field on the noises of cyclic magnetic reversal of thin magnetic films, p. 117.
- Dimitrov, Kh. D. - Electric conductivity of crystalline samples with parallel electrically neutral dislocations, p. 119.
- Braginskii, V. B., Slabkii, L. I., Martynov, V. K. - Upper boundary of possible spin gravitational effects, p. 122.
- Kukanov, A. B., Amer, A. A. - Theory of the Compton effect on a magnetic moment, p. 125.
- Speranskaya, A. A. - Effect of the density gradient on the characteristics of turbulence in the active layer of a river, p. 38.
- Mel'nikov, V. N. - Green's functions for Coulomb systems with collisions, p. 44.
- Pavlova, O. S., Khapaev, A. M. - Radiation from a relativistic rotator, p. 55.
- Teodorik, K. F., Filimonov, L. T. - Root criteria of the asymptotic stability of linear systems, p. 60.
- Zhukovskii, V. Ch., Koi ovi, I. U. A. - Effect of radiation on electron motion in homogeneous magnetic and weak electrostatic fields, p. 65.
- Makhanta, M. N. - Some geometrical properties of an electromagnetic field, p. 73.
- Nguyen Tang. - Use of Gibbs' method in calculating the fluctuations of quantum systems, p. 79.
- Kononov, A. F., Olsnovskii, A. N. - Some features of the scientific work of Academician D. S. Rozhdestven'skii and his school, p. 87.
- Bulkin, P. S., Ponomarev, V. N., Solntsev, G. S. - Development of a superhigh-frequency pulse discharge in long tubes, p. 93.
- Eremeev, S. N. - Spontaneous Hall and Nernst - Ettingshausen effects in ferromagnetic metals, p. 95.
- Komolov, V. P. - Frequency synchronization with the aid of parametric generators, p. 99.
- Nikolaev, I. U. M. - Vertical upward motion of an acoustic wave allowing for viscosity, p. 100.
- Akulenko, L. D. - Derivation of solutions for rotating unperturbed conservative systems with one degree of freedom as a series built on inverse degrees of energy, p. 103.
- Ivanenko, D. D., Frolov, B. N. - Unified description of the isotopic and space-time properties of elementary particles, p. 106.
- Kosynkin, V. D., Generalov, N. A. - Vibrational relaxation in the systems I_2 -He and I_2 -Ar, p. 110.
- Kiseleva, L. F., Kurdimov, O. A., Minakova, I. I. - Reactive parameters of multicircuit generators with delay, p. 111.
- Zaitsev, A. A., Miskina, N. A. - Some properties of moving striations at medium pressures, p. 114.
- MOSCOW. VYCHISLITEL'NYI METEOROLOGICHESKII TSENTR. Trudy [COMPUTATION METEOROLOGICAL CENTER. Transactions]. No. 1, 1983. Problems of hydrodynamic short-range weather forecasting and mesometeorology.**
- Table of contents translated:
- Dykov, V. V. - Application of one method of solving nonstationary problems for short-range forecasting, p. 3.
- Kadyshnikov, V. M. - Short-range forecasting of meteorological elements based on exact hydrothermodynamic equations, p. 18.
- Zeltman, Kh. N. - Calculation of airflow around uneven surfaces of the earth: a three-dimensional problem, p. 42.
- Bortnikov, S. A. - Taking orography into account in short-range weather forecasting on the basis of solving the complete system of equations of hydrothermodynamics, p. 53.
- Sadokov, V. P. - Numerical scheme of forecasting based on the system of exact equations of hydrodynamics considering the effect of centrifugal force, p. 62.
- Zeltman, Kh. N. - Taking short waves into account in the nonlinear problem of airflow around mountains, p. 72.
- *OPTIKA I SPEKTROSKOPIA [OPTICS AND SPECTROSCOPY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.], Moscow, vol. 22, no. 4, Apr. 1987.**
- Table of contents translated:
- Evdokimov, V. M. - Correlation corrections of the first approximation for the polarizability and screening factors of atoms, p. 521.
- Mordvinov, I. U. P. - Galilean invariance of the complemented Landau - Zener formula, p. 529.
- Kagan, I. U. M., Kasimov, B. - Concentration of excited atoms in the low-pressure mercury discharge, p. 532.
- Gnevysheva, E. G., and others. - Determining the parameters of quenching processes and cross sections of step-by-step excitation for neon atoms. Part I: Configuration $2p^5ns$, p. 539.
- Charnia, F. A. - Studying the absorption in the channel of high pressure pulse discharge. Part 2, p. 543.
- Grechikhin, L. I. - Conditions for the formation of forbidden transitions, induced by a homogeneous intermolecular field in a lithium atom, p. 548.
- Buchachenko, A. L., Khloplankina, M. S., Dobriakov, S. N. - Quenching of electron-excited conditions by organic radicals, p. 554.
- Alekandrov, A. N., Sidorov, A. N., Iaroslavskii, N. G. - Long-wave infrared absorption spectra of phthalocyanines, p. 560.
- Marisova, S. V. - Reflection spectra of anthracene crystals and the structure of exciton zones, p. 566.
- Chisler, E. V. - Temperature dependence of the intensity of Raman scattering spectra of crystals. Spectra of the second order, p. 572.
- Bochkov, I. U. V., and others. - Electroluminescence of large zinc sulfide crystals, p. 576.
- Vishnevskii, V. M., Kulik, L. N., Romanuk, N. A. - Refractivity of single crystals of alkali halide compounds in the vacuum ultraviolet region, p. 580.
- Shamovskii, L. M., Lartionov, M. G. - Studying the mechanism of recombination luminescence in thallium- and indium-activated alkali halide phosphors, p. 583.
- Rakov, A. V., Mokerov, V. G., Vadov, G. I. - Studying the temperature dependence of exciton band contours of polycrystalline cadmium sulfide films, p. 590.
- Adamchuk, V. K. - Energy structure of cadmium selenide and the quantum yield of the photoionization in the fundamental absorption region, p. 594.
- L'vova, E. I. U. - Effect of the activator concentration and of the second "phase" on the energy absorption and the brightness of the electroluminescence, p. 600.
- Rubinov, A. N., Stepanov, B. I. - Dependence of the threshold of generation on the vibrational structure of electron levels, p. 605.
- Abramskii, F. A. - Divergence of the gaseous laser radiation in the generation on TEM_{nm}-type modes, p. 611.
- Rassudova, G. N. - Motre' interference fringes in a system of transparent and reflecting diffraction gratings. Part 3, p. 614.
- Chechetenko, V. V., and others. - Studying the effect of proton bombardment on the optical constants of thin metallic layers, p. 626.
- Furman, Sh. A. - Using precise formulae in the synthesis of spectral characteristics based on coatings with layers of equal optical thickness, p. 631.
- Lulzova, L. A., Khakhaev, A. D. - Modification of the reabsorption method: reabsorption within the line contours, p. 640.
- Starostin, N. V. - Energy spectrum of the Frenkel excitons in Cu₂O crystals. Part 2, p. 646.
- Rom-Krichevskaya, I. A., Ratner, A. M. - Angular distribution of radiation in an optical resonator with lenses, p. 652.
- Akhundov, G. A., Kermova, T. G. - Infrared absorption of Al^{III}B^{III}-type single crystals, p. 654.
- Bochkov, I. U. V., and others. - Recombination radiation from zinc sulfide, p. 655.
- Noskov, M. M., Sasoyskaya, I. I. - Characteristics of infrared absorption in copper-nickel alloys, p. 657.
- Podubnyi, L. I. - Transitions between the excited states of hydrogen atoms in Born's approximation, p. 660.
- Boev, E. I., Mikhalev, A. A., Guseva, G. D. - Luminescence of lead-activated zinc sulfide, p. 662.
- Vinogradov, A. V. - Excitation of atoms by heavy particles, p. 663.
- Skorobogatov, B. S., Dubovik, M. F., Ageeva, N. K. - Concentration broadening of lines in Eu³⁺ spectra in CdF₂, p. 665.
- Lislitsyn, V. N., Troshin, B. I. - Interaction of traveling-waves in a gaseous annular laser, p. 666.
- Savin, F. A. - Tensor symmetry of oscillatory Raman scattering, p. 668.
- Kozlov, M. G., Slartsev, G. P. - Autolized lines in the spectra of aluminum group atoms, p. 670.
- Lislitsa, M. P., Kulish, N. R. - Effect of temperature of a passive shutter on the operation on a laser, p. 671.
- Guberman, B. S., Morozov, V. V. - Induced Mandelstam-Brillouin scattering in carbon dioxide near the critical point, p. 673.
- Klochkov, V. P., Bogdanov, V. L. - Intensity distribution in electron-oscillatory spectra of polyatomic molecules, p. 674.
- Gol'dman, A. G., Korol'ko, B. N., Lysenko, S. F. - Electroluminescence spectra of (Zn_{100-n})(Cd_n)S-Cu, I, p. 676.
- Bychkova, T. V., and others. - Measuring the probabilities of spontaneous $3s_2 - 2p$ transitions in neon, p. 678.
- Nillak, H. J., Nillak, H. I. - Sixth Interdepartmental Conference on Actinometry and Atmospheric Optics, (Tartu, June 13 - 18, 1986), p. 682.
- Atakhodzhaev, A. K., Tukhvatullin, F. Kh. - Conference on intermolecular interactions and thermal motion of molecules in liquids and solutions, p. 682.
- Bogomolov, S. G. - Fifth Ural Conference on Spectroscopy, p. 683.
- Lushchik, Ch., Fofilov, P. - Fifteenth Conference on Luminescence, p. 685.
- Bakshiev, N. G., Girin, O. P., Libov, V. S. - Problem of the true absorption spectrum of molecules in a condensed medium (Remarks on an article by Lefranc, Jacob, and Vincent-Gelsse), p. 688.
- Vol. 22, no. 5, May 1987.**
- Table of contents translated:
- Nikitin, E. E. - Inelastic transitions between the fine structure components of alkali halide metal atoms during adiabatic collisions, p. 689.
- Penkin, N. P., Red'ko, T. P. - Lifetime and some effective cross sections of a cadmium atom, p. 699.
- Adamov, M. N., Rabane, T. K., Evarestov, R. A. - Polarizability of the H₂⁺ ion, p. 709.
- Andreev, N. S., Shorygin, P. P. - Secondary emission of light by molecules in the classical theory, p. 714.
- Novikov, M. M., Gurvich, L. V. - Electron emission spectrum of SrF, p. 720.

- Vasilevskii, A.S., Zhirnov, N.I. - Application of the generalized Wentzel-Kramers-Brillouin method to the studies of vibrational-rotational spectra of diatomic molecules. Part 2: Vibrational-rotational spectrum of the Rydberg-Klein-Rees oscillator. p. 730
- Plotnikov, V.G. - Relative position of $n\pi^*$ and $\pi\pi^*$ states of molecules and their optical properties. Part 2: Spin-orbital interaction of $n\pi^*$ and $\pi\pi^*$ states. p. 735
- Nurmukhametov, R.N., Miroshina, L.A., Shigorin, D.N. - Effect of the electron donor substituent and the nature of a solvent on the relative location of $\pi\pi^*$ and $n\pi^*$ levels in a xanthone molecule. p. 740
- Krasovitskii, B.M., Nazarenko, A.I. - Absorption spectra and fluorescence spectra of blanzomethine derivatives of 2,7-diaminofluorenone. p. 747
- Neznalko, N.F., Obyedkovskaya, I.E., Cherkasov, A.S. - Anthracene and 9-bromanthracene as fluorescence quenchers of dimethylxanthracene excimers. p. 752
- Bullai, V.A., Grebenchikov, D.M. - Phosphorescence spectra of coronene and diphenylene in tetrachloride carbon. p. 758
- Rasulov, A.A., Chulanovskii, V.M. - Effect of weak intermolecular interaction on the intensity of stretching vibration bands of the methylene group of the dihalomethanes. p. 763
- Il'man, E.R., Rooze, N.S. - Spectra of the formation of color centers in ionic crystals by means of the ultraviolet radiation. p. 768
- Shekun, L.A. - Crystal field in scheelite structures. p. 778
- Aluker, E.D., Merlina, I.P. - Mechanism underlying the low-temperature decrease of the radioluminescence yield. p. 789
- Shaganov, I.I., Kislovskii, L.D., Rudlavskaya, I.G. - Absorption by free carriers in silicon in the 100-300 μ m range. p. 792
- Fomichev, V.A., Lukirskii, A.P. - Absorption coefficients of aluminum in the 23.6-410 \AA wavelength region of ultraviolet X-radiation. p. 796
- Lenkova, G.A., Koronkevich, V.P. - Interferometers with double passage of rays. Part I: Interference in the imaginary plates. p. 800
- Minkov, I.M. - Effect of the absorption of backing on the reflection coefficient of a single-layer coating in the case of light falling at an angle greater than the critical angle. p. 810
- Vashchenko, V.I., Timofeev, V.B., Antipov, I.N. - Natural reflection spectra of BiI_3 and SbI_3 single crystals at the 1-5 eV energy range. p. 813
- Vasilevskii, A.S., Zhirnov, N.I., Katsnel'son, I.G. - Uniqueness of Rydberg-Klein-Rees curves. p. 816
- Paritskaya, G.G., Medvedev, V.E. - Calculating the image illuminance. Part 2: Spectral instruments with concave diffraction gratings. p. 810
- Druzhinin, V.V. - Splitting of terms of the $3d^2$ configuration in an octahedral intracrystalline field. p. 824
- Nikulin, A.I., Strakhovskii, G.M. - Shape and width of induced radiation lines in a hydrogen-beam laser. p. 827
- Kolomnikov, I.U., Lisitsyn, V.N., Chebotarev, V.P. - Michelson's laser interferometer. p. 828
- Rozanov, N.N. - Parametric resonance in the nonlinear theory of the Zeeman effect. p. 831
- Boikova, R.F., Fradkin, E.E. - Laser subjected to an external signal. p. 834
- Imanov, L.M., Kadzhar, Ch.O., Isaev, I.Dzh. - Microwave spectrum of $\text{CH}_3\text{CH}_2\text{OD}$ and $\text{CH}_3\text{CH}_2\text{O}^{18}\text{H}$ molecules. p. 837
- Zubova, N.V., Zubov, V.A. - Studying the induced Raman scattering of light in parallel beams. p. 838
- Imanov, L.M., Abdurakhmanov, A.A., Ragimova, R.A. - Microwave rotation spectrum of $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ molecules. p. 840
- Vesilov, M.G., Shioff, A.V. - Adiabatic exchange approximation for the excited states of helium and lithium atoms. p. 841
- Aleksakhin, I.S., Zapesochnyi, I.P. - Excitation cross sections of the lower levels of lithium. p. 843
- Gof'dman, A.G., Proskura, A.I. - Recording, storage, and reproduction of the optical image by means of the Gucken-Pohl effect. p. 845
- Slobodskaya, P.V. - Amplitude-frequency optoacoustic method for the determination of the relaxation time of vibrational states. p. 846
- Moskatenko, S.A., Khadzi, P.I. - Photolization of excitons in Cu_2O -type crystals. p. 847
- Lastikov, G.I., Ermiolov, V.L. - Triplet-triplet energy transfer along the chains of aromatic polymers. p. 848
- Klochkov, V.P., Smirnova, T.S. - Fine structure of the fluorescence spectrum of anthracene vapors. p. 851
- Ermolaev, V.L., and others. - Studying the mechanism underlying the intermolecular energy transfer in rare earth chelates. p. 854
- Maianis, L.S. - Concerning the article by I.N. Godunov, A.A. Zaitsev, and I.V. Riginia: "Use of Lagrange's equations with noncollimated couplings in solving the theory of molecular vibrations in dependent coordinates." p. 856
- REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 6, June 1987.
- REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 6, June 1987.
- *REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 6, June 1987.
- *RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vyssheikh uchebnykh zavedenii, fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Physics]. Moscow, no. 4(50), 1987.
- Table of contents translated:
- Evdokimov, V.D. - Studying the direction of surface layer deformations in the case of friction of rock salt crystals. p. 7
- Nekrasov, M.M., Belikov, B.M., Rodionov, M.K. - Conductivity and dielectric losses of KCl crystals with admixtures. p. 11
- Sukhorarov, V.F., and others - Bruschinger effect in the passing from rolling to bending and its after-effect. p. 15
- Gavrilas, L.A., Kagan, I.U.M. - Multiple scattering of slow electrons in a gas. Part 2. p. 20
- Griban', V.N., Oyander, L.N. - Studying the form of a nonlinear effect tensor in crystals. p. 24
- Ternov, I.M., and others - Electromagnetic radiation of neutral Fermi particles moving in external fields. p. 30
- Rudakov, V.N., Bellanin, A.N., Zelenkov, A.L. - Inhomogeneous dielectric as an anisotropic medium. p. 35
- Ternov, I.M., Bagrov, V.G., Boroditsyn, V.A. - Covariant description of spin state of Fermi particles moving in external fields. p. 41
- Baranov, I.G. - Nuclear wave functions in a field of plane electromagnetic waves. p. 46
- Evshev, Z.I.A. - Calculating the process of formation of chlorine vacancy in NaCl crystals. p. 50
- Rykov, V.I., Sheinfeld, V.L. - Applying Finkel-Gubanov formula to normal liquids with multiaxial molecules. Part 2. p. 53
- Lebedev, A.T. - Cross sections of Frenkel defect formation under γ -radiation of Co^{60} . p. 58
- Mospanov, V.S. - Primary extinction at resonance scattering of γ -quanta. p. 62
- Ginzburg, L.P. - Transport theory in NiO and Fe_2O_3 -type semiconductors. p. 66
- Kukharov, A.B., Amer, A.A. - Scattering of polarized photons by a free magnetic moment. p. 75
- Oslipov, I.U.V. - Exciton absorption in deformed germanium. p. 82
- Sidorenko, V.I., Lukantseva, I.U.L., Zaitov, F.N. - Relation between the thermal stability of F-centers and the dislocation density in NaCl crystals. p. 87
- Konina, A.G. - Applying the method of dynamic similarity to the calculation of some molecular values. p. 91
- Bozov, A.G. - Multiple scattering of short waves by the system of interacting particles. Part I: Average field. p. 97
- Shalimova, K.V., Karatnikov, I.A., Morozova, N.K. - Photoconductivity of zinc sulfide polycrystalline layers of various modifications. p. 102
- Laguskina, L.I., Prilezhaeva, N.A. - Problem of the mutual effect of atoms in molecules. Part I: Using the method of linear combination of atomic orbitals for the distribution of electron density in the molecules of p-mono- and pp'-disubstituted diphenylamine. p. 103
- Khrushchev, B.I., Bogomolov, A.M., Sharipova, L.S. - Neutron diffraction unit of the WMWC thermal column. p. 108
- Erlikh, I.M., and others - Dielectric properties of some urethane polymers used as hermetics. p. 113
- Vasil'eva, E.I., and others - Electric properties of oxide glass films of the system $\text{TeO}_2 - \text{Sb}_2\text{O}_3$. p. 117
- Baranovskii, S.N., and others - Studying the ultrasonic wave absorption in CdS single crystals depending on the intensity and spectral composition of the irradiation. p. 121
- Kotsamakha, P.A., Likhobabin, N.P. - Alloyed cuprous oxide p-n junctions and their parameters. p. 125
- Ralkhenberg, T.S. - Ponderomotive forces of a conic field and the motion of solid particles in it. p. 130
- Stashuk, V.D. - Electric properties of polycrystalline ferrites in the range of audio frequencies and infrared frequencies. p. 135
- Vorob'ev, A.A., and others - High-current 25 MeV betatron. p. 139
- Zuev, A.M., Zuev, A.A. - Friction of tin, aluminum, copper, iron, TiB₂, VK6 against copper at variable temperatures. p. 140
- Chechernikov, V.I., Pechennikov, A.V., Pop, I. - Magnetic properties of scandium alloys. p. 142
- Daulova, V.I., Belomytsev, S.I.A. - Calculating the method of a self-consistent field of some classes of organic compounds containing NO_2 , COOH , NH_2 , and OH groups. p. 145
- Drozov, V.A., Mozgovain, L.A., Ryachov, A.L. - Dependence between the microhardness, conductivity and the rate of grinding of silicon. p. 147
- Mavrychev, I.U.S. - Derivation of the relationship between cosmological parameters and microphysical constants. p. 148
- Shevtsov, S.I. - Critical characteristics of self-exciting cavity. p. 149
- Suchkov, A.I., Sholepughi, I.U.K. - Dependence of the electric resistance of manganese-zinc ferrites on the temperature. p. 151
- Konnikova, G.M., Bichurina, S.A. - Dislocation structure of KCl crystals grown during the vibration of the melt. p. 153
- Villsava, M.D., Lavrent'eva, L.G., Chernikova, L.D. - Effect of the growth conditions on the electric properties of epitaxial p-n junctions in gallium arsenide. p. 155
- Tverdokhlebov, V.I., Umanov, V.I. - Work function of two oscillating spherical particles of the same size. p. 157
- Elizar'eva, V.N., and others - Negative absorption on nitrogen molecular ion bands in a glow-discharge. p. 159
- *USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 92, no. 1, May 1987.
- Table of contents translated:
- Babikov, V.V. - Method of phase functions in quantum mechanics. p. 3
- Migdal, A.D. - Quasi particles in the nuclear theory. p. 27
- Gershberg, R.E. - Flares of the UV Cat-type stars. p. 65
- Smirnov, B.M. - Diffusion and mobility of ions in gases. p. 75
- Abdolan, I.A., Esomoev, M.A., Petrov, N.N. - Electron excitation in solids by comparatively slow atomic particles. p. 105
- M.G. - Yield of a cold plasma from the magnetosphere. p. 165
- M.G. - Parametric inconsistency of an interplanetary plasma. p. 168
- *ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FLIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 4, 1987.
- Table of contents translated:
- Ivanov, A.A., Rakhimbaboev, I.A.R., Rusanov, V.D. - Diffusion of collisionless plasma across a magnetic field during drift instability. p. 833
- Duchel'nikova, N.S., Salimov, R.A., Eidel'man, I.U.I. - Studying the turbulent state of a plasma during drift instability. p. 837
- Zolotarev, V.F., Semak, D.G., Chapuz, D.V. - Thermally stimulated current under conditions of a stable internal polarization. p. 840
- Chechernikov, V.I., and others - Magnetic properties of uranium tellurides. p. 854
- Globus, M.E., and others - Stationary generation in an optical resonator with losses. p. 857
- Mezhov-Doglin, L.P. - Size effect on the thermal conductivity of crystalline He⁴ samples. p. 866
- Grigor'ev, V.N., and others - Studying the rectification of helium isotope mixtures in unpacked columns. p. 871
- Alekseevskii, N.E., Mikheeva, M.N., Tulin, N.A. - Superconducting properties of rhenium. p. 875
- Chetkin, M.V., Shalygin, A.N. - Exchange interaction and temperature dependence of the Faraday effect in ferrimagnets. p. 882
- Peikh, L.N., Ereimenko, V.V. - Shift of the end-point energy of bismuth electrons in a magnetic field. p. 885
- Fil', V.D., Shevchenko, O.A., Bezuglyi, P.A. - Use of the ultrasonic method in measuring the anisotropy of the energy gap in superconducting indium. p. 891
- Genkin, G.M., Fain, V.M., Iashchin, E.G. - Theory of the nonlinear properties of ionic crystals. p. 897
- Skarzhinskii, V.D. - Axiomatic formulation of quantum electrodynamics. p. 910
- Suchkin, G.L. - Interaction between a prepolarized beam and an electromagnetic field. p. 919
- Liubshits, V.L. - Scattering of electromagnetic waves by a system of dipole centers. p. 926
- Nagibarov, V.R., Kopvillem, U.Kh. - Phonon induction and echo. p. 938
- Mikhailovskii, A.B. - Macroscopic description of a collision plasma located in a strong magnetic field as treated in the stability problems. p. 943
- Bratsev, V.F., Ochur, V.I. - Ionization of a hydrogen atom by electron impact in the three-body approximation of classical mechanics. p. 955
- Vilina, R.Z., Chaplik, A.V. - Theory of negative ion formation in slow atomic collisions. p. 959

- Afanas'ev, I. V., Kroklin, O. N. - Evaporation of matter under laser radiation. p. 966.
- Galaiko, V. P., Fal'ko, I. I. - Ultrasound absorption in superconducting alloys in mixed state. p. 976.
- Bracuskii, V. B., Manukin, A. B. - Ponderomotive effects of electromagnetic radiation. p. 980.
- Inshennik, V. S., Syrovatskii, S. I. - Two-dimensional flow of a perfectly conductive gas near the zero line of a magnetic field. p. 990.
- Azbel', M. I. A., Paschanski, V. G. - Thermomagnetic effects in finite metallic samples. p. 1003.
- Vosilov, I. I., Levinson, I. B. - Galvanomagnetic effects in strong electric fields during nonelastic electron scattering. p. 1013.
- Veselago, V. G. - Electrodynamics properties of a mixture of electric and magnetic charges. p. 1025.
- Zaindorog, O., Prokoshin, I. U. D., Tsupko-Stenkov, V. M. - Showers in lead produced by 0.1 to 1 GeV γ -quanta. p. 1027.
- Veselovskii, I. S. - Electron recombination in a weakly ionized gas. p. 1034.
- Kadomtsev, D. B. - Plasma confinement in toroidal traps with deformed magnetic surfaces. p. 1039.
- Olshuk, V. P. - Resonance effects in the field of an intense laser beam. p. 1049.
- Davydovskii, V. A., Yakushev, E. M. - Acceleration of charged particles in moving traps produced by electromagnetic waves. p. 1068.
- Kosevich, A. M., Saralidze, Z. K., Slevov, V. V. - Diffusion growth of pores and pitlike dislocation loops in the presence of volume sources of point defects. p. 1073.
- Zislavskii, G. M., Sagdeev, R. Z. - Limits of the statistical description of a nonlinear wave field. p. 1081.
- Arbuzov, B. A., Filippov, A. T. - Geometrization of an electric magnetic field and the violation of CP-invariance. p. 1092.
- Andreev, A. F. - Wave resistance of superconductors in the intermediate state. p. 1106.

***ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI** [Pisma v redaktsii] [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. Letters to the Editors]. Issued as a supplement to the journal. Moscow, vol. 5, no. 5, May 1967.

Table of contents translated:

- Korshakov, L. V. - Instability of a plasma with hot electrons related to the "cone of losses." p. 137.
- Iskevich, I. S., Fisher, L. M. - Measuring the Shubnikov - De Haas effect in graphite under pressure up to 8 kbars. p. 141.
- Stepanov, B. I., Rubinov, A. N., Mostovnikov, V. A. - Optical generation in the solutions of complex molecules. p. 144.
- Mikhaelian, A. L., and others. - Production of Fourier holograms by means of a ruby laser. p. 146.
- Askariyan, G. A., and others. - "Fireball" of the light breakdown in the focus of a laser beam. p. 150.
- Vukota, A. P. - Change of the refractive index and the absorption of some liquids in a strong light field. p. 154.
- Vernov, S. N., and others. - Radio-frequency radiation from extensive air showers of cosmic rays. p. 157.
- Iyubicki, K. - Transverse pulses of leading particles in nucleon - nucleon interactions at energies of $10^{12} - 10^{14}$ ev. p. 162.
- Kagan, I. U. M., Chukhovskii, F. N. - Collective Coulomb excitation of nuclei in regular crystals. p. 166.
- Vainshtein, A. L., and others. - γ -Decay and the algebra of currents. p. 170.
- Mandzhavidze, Z. Sh., Holitsvili, V. I. - Discharge-condensation method of detecting charged particle trails. p. 173.

Vol. 5, no. 7, Apr. 1967.

Table of contents translated:

- Altshuler, S. A., Teplov, M. A. - Nuclear magnetic resonance on single electronic levels of rare earth ions. p. 209.
- Bogomolov, V. N., and others. - Filling volt-ampere characteristics in semiconductors, situated in crossed electric and magnetic fields, achieved by short-circuiting a transverse Hall field. p. 212.
- Gorobik, V. S. - Spectra of Raman scattering in NaClO₃ single crystals in a wide temperature range. p. 214.
- Zoor, E. P., Landin, A. G. - Effect of impurities distorting the lattice on the spectra of proton magnetic resonance. p. 217.
- Bagdasarov, Kh. S. - A laser on the basis of α -gagarinite activated by neodymium. p. 220.
- Dystrova, T. D., and others. - Multiphoton ionization of xenon and krypton atoms at a wavelength of ≈ 1.06 microns. p. 223.
- Gorjachev, B. I. - Cross sectional structure of the reaction $\text{Ca}^{40}(\gamma, p)$. p. 225.
- Masalsheva, G. G., and others. - Behavior of muonium in a scintillating plastic. p. 227.
- Oshinina, A. N., Krasitskaya, L. S. - Determining the parameter of the adiabatic state p/R in the motion of an electron in an axially symmetric magnetic trap. p. 230.
- Petrakovskii, G. A., Smokotin, E. M. - Temperature dependence of the magnetoresistance constants of lithium ferrite single crystals. p. 233.

- Epshtain, E. M. - Negative conductivity arising under the action of a hypersonic flux. p. 235.
- Keldysh, L. V., Kozlov, A. N. - Collective properties of excitons of a large radius. p. 238.
- L'vov, V. S., Starobinets, S. S. - Light scattering on coherent spin waves. p. 242.

14. MEDICINE

a. GENERAL

AZERBAIJAN TIBB ZHURNALI. AZERBAIDZHANSKII MEDITSINSKII ZHURNAL [AZERBAIJAN MEDICAL JOURNAL]. Issued by Azerbaijan SSR Sobiye Nazirligi [Azerbaijan Ministry of Health]. Baku, vol. 41, no. 5, May 1964.

Table of contents translated:

- Friendship forever. p. 3.
- Dzhavadov, D. B. - Role of progressive Russian scientists in the formation and development of the sanitary and antiepidemic branch of medicine in Azerbaijan. p. 11.
- Nazirov, M. R., Glashkina, T. P. - Clinical aspects of ancylostomiasis at the present stage. p. 36.
- Shakov, I. I. - Some characteristics of the X-ray picture of tuberculous osteitis. p. 48.
- Sadykhov, A. G. - Clinical aspects and treatment of fibrous dysplasia. p. 48.
- Ismailev, Sh. I. - Results of morphological and some histochemical examinations of the healing process of perforated injuries of the cornea on clinical material. p. 53.
- Atizade, K. A., Melik-Ashanova, P. S., Nabieva, Z. A. - Treatment of trachoma with tobramycin by perforating the conjunctiva of the eyelids. p. 59.
- Amirdzhanov, A. N., Guseynova, L. M. - Effectiveness of cortisone and its influence on the electrolyte content of the blood in bacterial dysentery in children. p. 65.
- Akopian, A. Kh., Ezeпова, G. T. - So-called post-infection syndrome. p. 73.
- Guseynova, K. M. - Tuberculous skin leishmaniasis in Kirovabad. p. 78.
- Chandriti, A. A., Zehnalova, Z. A. - Cholesterol content in the blood of workers coming in close contact with tobacco dust. p. 83.
- Mamedov, Z. M., Bagdasarov, G. M. - Report on the work of the Azerbaijan Scientific Society of Surgeons during 1963. p. 92.

Vol. 44, no. 1, Jan. 1967.

Table of contents translated:

- Alekperov, M. A. - State of the adrenocorticotrophic function of the hypophysis in bronchial asthma. p. 10.
- Makhmudbekov, B. M., Tagteva, M. M. - Diagnostic significance of X-ray contrast examinations in pathology of the biliary tract in the light of clinical and roentgenological comparisons. p. 14.
- Ragimov, R. N. - Clinical significance of two-circuit combined contrasting in pericollitis. p. 20.
- Aremtha, M. V. - Detection of latent diabetes in patients with atherosclerosis. p. 24.
- Abasov, I. T. - Functional tests and morphological changes in the liver in cancer of the stomach. p. 30.
- Dzhavadov, R. B., and others. - Clinical aspects and some cytobiochemical examinations in favism. p. 34.
- Guliev, I. G. - Esophageal cancer. p. 44.
- Sadykhov, A. G., Kazvinov, G. K., Alakverdieva, S. K. - Isotope diagnosis in tumors of the bones. p. 48.
- Korimov, S. M. - Pathology and incidence of myocardial infarct in cities of the Azerbaijan S.S.R. p. 53.
- Kertmov, G. M. - Treatment of patients with foreign bodies in the esophagus. p. 56.
- Guseynov, A. M., Babaev, M. A. - Manro's system as a method for the restoration of the function of the urinary bladder in testons of the spinal cord. p. 61.
- Aliev, T. A. - Skin thermometry in vascular complications in diabetes mellitus. p. 65.
- Alekperov, I. I., Gazanchants, R. I., Solodukho, I. U. Z. - Clinical aspects of granchan poisoning. p. 67.
- Vlasov, S. N., Shafieva, S. I. U. - Prevention of calcium disease in the tunnel construction of Baku subway. p. 72.
- Kulteva, Kh. D., and others. - Selective angiography of the celiac artery in the diagnosis of a tumor of the pancreas. p. 78.
- Guseynov, A. G. - Ballistocardiography during the use of neuroleptic mixture in parturients. p. 81.
- Mamedova, T. M. - Content of nucleic acids in the tissues of the pterygium. p. 84.
- Kosmubelli, Kh. G. - Study of skin reactivity in patients with different forms of parapsoriasis. p. 87.
- Akhmedov, A. A. - Two cases of a tooth replantation. p. 91.
- Mirzoeva, M. E. - 4th Plenum of the Central Committee of the Trade Union of Medical Workers. p. 97.

Vol. 44, no. 3, Mar. 1967.

Table of contents translated:

- Donk, G. M. - Clinical and X-ray diagnosis of some congenital heart defects in adults. p. 9.
- Chesnokova, G. D., Mamedova, R. G. - Analysis of the causes of neglect of cancer of the stomach and cauda based on data of the Institute of Clinical and Experimental Surgery of the Ministry of Public Health of the R.S.F.S.R. (1963-1964). p. 14.
- Ismailev, A. A., Ruindezh, T. G. - Preservation and transplantation of tissues. p. 18.
- Kanbai, G. G. - Changes in the cellular apparatus and intracellular substance of the retina following ionizing radiation. p. 22.
- Oudzhiev, I. M., Ismatov, L. B., Alekperova, G. M. - Results of prolonged use of sulfanilamide preparations in diabetes mellitus. p. 28.
- Aleskerov, D. Sh. - Difficulties and errors of clinical and X-ray diagnosis of the primary stages of osteogenic sarcomas. p. 30.
- Salayeva, Z. M. - Clinical aspects of hypotension. p. 34.
- Akhmedov, B. B., Shamsiev, A. K. - Pulmonary tuberculosis in persons over 50. p. 38.
- Medzhidov, B. F. - Some problems of epidemiology and prevention of typhoid fever in the Azerbaijan S.S.R. p. 43.
- Khalife, Sh. S. - Q fever according to materials of infectious diseases clinic of the Azerbaijan Institute of Advanced Training of Physicians. p. 49.
- Salimova, D. M. - Feer's vegetative neurosis of children's acrocardia. p. 50.
- Anagatov, A. A., Kertimova, L. R. - Combination of latent toxoplasmosis with listeriosis in a woman having habitual abortions. p. 59.
- Guseinov, A. G., Abbasov, A. A. - Case of intrauterine death of the fetus caused by umbilical hematoma. p. 61.
- Rzaev, N. M., Gurbanatov, I. G. - Pleural echinococcosis. p. 63.
- Mamedov, A. V. - Aspects of the development of public health in Kirovabad during 1966-1970. p. 68.
- Garaev, N. S. - Interesting manuscript on medicine. p. 73.
- *BULLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY** [BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE]. Issued by Akademiya meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.]. Moscow, vol. 63, no. 6, June 1967.
- Table of contents translated:
- Akhundov, M. N. - Characteristics of the electric activity and steady potential of the cerebral cortex in states of sleep and wakefulness in infants aged 3 - 12 months. p. 3.
- Mamedova, A. M., Oganatyan, A. A. - Convergence in the sensory fields of the posterior crescents of the spinal cord following stimulation of muscular afferent nerves. p. 8.
- Shafarova, V. P. - Characteristics of the vascular reaction of the cerebral surface in rabbits to thermal effects. p. 11.
- Kukkonen, M. I. - Respiratory rhythm of impulses of cutaneous and venous receptors of the chest. p. 14.
- Pokrovskii, V. M. - Change in the structure of the aystole of the right cardiac ventricle during cooling. p. 18.
- Khrabrova, G. P. - Minute volume of blood circulation, general peripheral resistance and the mass of the circulating blood in experimental traumatic shock. p. 21.
- Izabolinakala, R. M., Ortgorova, K. N. - Content of sugar and lactic and pyruvic acids in the inflowing and outflowing blood of the lung in some forms of experimental pathology. p. 24.
- Mambeeva, A. A. - Peristaltic motor activity of the digestive apparatus in experimental lead poisoning. p. 26.
- Ester, K. M., Kandrov, V. I. - Influence of sympatholytics on the development of hemodynamic effects of thyroid hormones. p. 30.
- Polukovskii, A. I. - Restorative processes in the adrenal cortex under the effect of ACTH and prednisolone. p. 33.
- Kovluntak, N. A. - Copper metabolism in dogs following gastrectomy and resection of different portions of the stomach. p. 37.
- Zakharov, S. V. - Effect of serotonin on the level of free amino acids in the tissues of the brain and liver. p. 41.
- Samoilenko, I. I., Ivanov, K. K. - Nucleotide composition of the DNA in bacteria and their sensitivity to gamma rays. p. 43.
- Zhurnakova, T. V. - Correlation of the content of iron, manganese, and copper in the blood serum in healthy persons. p. 47.
- Astakhova, T. V., Golubev, A. A. - Content of thio-cyanates and ammonia in the blood of some laboratory animals. p. 49.
- Malzeva, M. I. A. - Effect of diethylamides of 1-sergeic acid on the permeability of histohemetic barriers in rats. p. 51.
- Sitkov, S. F. - Effect of cholinomimetics, biogenic amines and their antagonists on the effect of local anesthetics. p. 53.
- Leiman, A. B. - Influence of the combination of promodol and tranquilizers on the analgesic effect of local anesthetics. p. 57.

- Kaverina, N. V., Mirzozian, R. S., Rozonov, I. U. - Significance of central monoamine mechanisms in the action of pharmacological substances on the reflex reaction of the heart, p. 59.
- Klykov, N. V. - Role of sulfhydryl groups in the prevention and elimination of the toxic effect of streptozotocin on the heart in dogs, p. 65.
- Arshavskaya, E. I., Enikova, S. I. - Analysis of the bradycardic phase of the effect of atropine on the heart in dogs, p. 68.
- Mandel'shtam, I. U. E. - Characteristics of the penetration of anticholinesterase compounds into the nervous system of Asiatic locusts, p. 71.
- Kharlova, G. V., Klaskina, N. A., Levenson, V. I. - Antibody-forming function in a regenerated spleen, p. 74.
- Medunilayn, N. V., Gervazieva, V. B. - Allergic alteration of leucocytes in pollinosis, p. 77.
- Terent'ev, A. A. - Detection of analogous anaphylactogenic properties of the blood serum in different species of animals, p. 80.
- Bashkayev, I. S., Ageenko, A. I. - Immunological analysis of rat sarcomas induced by human tumor extracts, p. 85.
- Krivoshin, I. U. S. - State of some natural immunity factors during the growth and metastasis of induced tumors, p. 88.
- Aleksanian, I. U. T., and others. - Comparative study of the antigens of transplanted rat carcinoma and the continuously cultivated line of rat kidney carcinoma cells obtained from it, p. 91.
- Effect of immunization by antigens from a heterologous and autologous liver on metastasizing of Walker's carcinoma in parabiont rats, p. 94.
- Mikhailov, V. M. - Pathogenic effect of nephrocytotoxic serum on the embryonal development of white rats, p. 97.
- Kadlov, E. V., Mezhlumian, A. A. - Compensatory changes in hemolymphatic nodes during isolation of the spleen in white rats, p. 101.
- Telepneva, S. I. - Effect of blood plasma of rats subjected to partial hepatectomy on liver mitosis in intact recipient rats, p. 104.
- Zaitseva, K. K. - Distribution of transplanted bone marrow cells and the development of foci of donor hematopoiesis in irradiated recipients, p. 107.
- Belous, A. M. - Effect of ribonucleic acid on the content of hydroxyproline in growing regenerating bone, p. 111.
- Bakhtova, L. M. - Characteristics of the blood supply of "typical" nerve cells of some nuclei of the reticular formation of the brainstem, p. 113.
- Shalina, G. V., Mikhailova, E. N. - Changes in the lungs in white mice following infection with *Escherichia coli*, p. 116.
- Avustimovich, G. I., Chumakova, M. I. A., Karmysheva, V. I. A. - Transformation of tissues in hamsters under the effect of monkey virus 40 as a result of prolonged cultivation in vitro, p. 118.
- Pokrovskii, A. A., Malakhov, I. E., Kushmanova, O. D. - Methodology of deprivation of sleep in small animals, p. 123.
- KARDIOLOGIYA [CARDIOLOGY].** Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 5, no. 1, Jan.-Feb. 1965.
- Table of contents translated:
- Masankov, A. L. - Classification of cardiac insufficiency, p. 3.
- Pek, L. R. - Effect of disorders in the function of the central nervous system on the development of experimental cardiac infarctions; experimental study, p. 8.
- Vereshchakova, E. P. - Connection between corticosteroids and catechol amines in the pathogenesis of experimental myocardial necrosis, p. 17.
- Sergievskii, V. S., and others. - Ventricular fibrillation in experimental disorders of the coronary circulation, p. 18.
- Lukomskii, P. E., Latkin, K. M., Kar'mlina, P. V. - Clinical experimental study of the anticoagulant warfarin sodium, p. 24.
- Vavina, M. V. - Tobacco smoking and the degree of atherosclerotic lesions of coronary arteries and aorta, p. 30.
- Bavina, M. V. - Basic disorders in the lipid composition in the blood, liver and aorta in rabbits with alimentary cholesterol atherosclerosis, p. 34.
- Orlov, V. N. - Electrocardiographic symptoms of the electrical stage of myocardial infarction, p. 42.
- Fuk, V. B. - Capacity of the blood to thrombogenesis in ischemic cardiac disease and its change following anticoagulant therapy, p. 46.
- Kushcheyevskii, B. P., Iastrebova, L. P. - Resistance to anticoagulants in the light of neurohumoral regulation of the coagulation and anticoagulation system of the blood, p. 49.
- Iosava, K. V. - Analgesic nitrous oxide anesthesia in the pain syndrome of acute coronary insufficiency (clinical biochemical data), p. 54.
- Nazur, N. A., Sapegina, T. S., Trubetskoi, A. V. - Vasodilative effect of fibrinolytic, p. 58.
- Gandzha, I. M., Tarlovskaya, B. E., Kovaleva, N. I. - Use of radioactive iodine in atherosclerosis of the coronary vessels, p. 61.
- Smolnitskiy, A. V., Naddachinskiy, T. A. - Adaptive processes in the heart in chronic coronary insufficiency, p. 65.
- Avlasor, M. L., and others. - Dynamics of some biochemical indices of the blood in experimental myocardial infarction in dogs, p. 71.
- Bricker, V. N. - Duration of the interval Q - T found in atherosclerosis of the coronary arteries, p. 73.
- Elitashvili, K. I. - Character and prognostic significance of disorders of the cardiac rhythm in myocardial infarction and stenocardia, p. 74.
- Itchenko, V. E. - Diagnostic significance of uropepsin in stenocardia and myocardial infarction, p. 77.
- Iur'ov, S. A., Novikova, E. B. - Measurement of the coronary blood flow by the bubble method, p. 79.
- Abdullayev, D. M., Irani, M. A. - Prolonged dicoumarin and pentan therapy in myocardial infarction and chronic coronary insufficiency, p. 81.
- Dorodulin, I. U. D. - Treatment of stenocardia and cardiac necrosis by means of ethyl chloride irrigation of the region from the 7th cervical to the 1st - 2nd thoracic vertebrae, p. 83.
- Kokosov, A. N. - Clinical testing of phetazine in stenocardia, p. 85.
- Soibel', B. I., Aleksandrov, N. G. - Sudden deaths from diseases of the cardiovascular system in Andizhan Province, p. 88.
- Budachevskii, A. T., and others. - Emergency aid in acute coronary insufficiency, p. 87.
- Annotations, p. 89.
- N. N. Antchikov, p. 93.
- (DNLM)
- Vol. 7, no. 3, Mar. 1967.
- Table of contents translated
- Lukomskii, P. E. - Arterial hypertension, p. 3.
- Zamyatova, K. M., and others. - Materials for further study of the etiology and pathogenesis of hypertension, p. 5.
- Rykin, I. V., Maslova, K. K., Ignatova, L. N. - Role of environment in etiology of hypertension. Report No. 3, p. 11.
- Volyanski, Z. M., and others. - Prolonged dynamic observations of patients with hypertension, p. 18.
- Speranski, M. D. - State of sympathetic-adrenal system in the formation period of hypertension, p. 24.
- Kudrinskaya, E. S., and others. - Some indices of the functional state of the adrenal cortex and electrolyte metabolism in hypertensive crises, p. 27.
- Meerson, F. Z., Bykovskaya, K. N. - Antihypertensive effect of cofactors of synthesis and precursors of nucleic acids in experimental salt hypertension, p. 31.
- Erlin, E. V., and others. - Comparative evaluation of the therapeutic effect of the action mechanism of isobarin and aldomet in hypertension, p. 35.
- Vishnevskii, A. A., and others. - Some mechanisms of the development of pulmonary hypertension in heart defects, p. 41.
- Esipova, I. K. - Morphological criteria of different forms of hypertension of the pulmonary circulation and their pathogenesis, p. 49.
- Iurenev, P. N., Aleksandrov, O. V., Zekharov, E. F. - Significance of compound (clinical and instrumental) examination in the diagnosis of hypertension of the pulmonary circulation, p. 57.
- Shik, L. L., and others. - Hemodynamics in coarctation of the aorta, p. 62.
- Solov'ev, G. M. - Treatment of arterial hypertension in coarctation of the aorta, p. 67.
- Selye, H. - Experimental cardiopathies, p. 72.
- Pokrovskii, A. A., Markelova, V. F., Shaternikova, I. S. - Study of the synthesis of cholesterol from 2-C14-acetate and distribution of 4-C14-cholesterol in rats in experimental insomnia, p. 79.
- Metelitsa, V. I., Pitsin, D. G. - Reproduction of experimental noncholesterol model of lipidosis of the aorta in rabbits, p. 82.
- Kozhura, I. M. - Some age-related characteristics of the development of experimental atherosclerosis in rabbits, p. 83.
- Masankov, L. A., Lobova, N. M., Kasli, V. A. - Synergism of the inhibiting effect of thyroidin and lincol on the development of experimental atherosclerosis, p. 89.
- Golikov, A. P., Krylov, A. A., Reshetnev, V. G. - Quantitative and qualitative changes in erythrocytes in atherosclerosis, p. 87.
- Likhtshteyn, I. B., Taraskaya, E. M., Sholekhova, G. I. - Diagnosis of the preclinical stage of atherosclerosis, p. 89.
- Kilinski, E. L., Bukhman, A. I. - Focal lesions of the myocardium in Isenko-Cushing disease; electrocardiographic study, p. 103.
- Tartakovskii, M. B., and others. - First observations on patients with chronic radiofrequency stimulation of the heart, p. 107.
- Karaganov, I. A. L. - Neural structures of the cardiac veins in man, p. 111.
- Januskevicius, Z., Vitensteinas, G., Valuzis, K. - Methodology of recording the encircling phonocardiogram, p. 115.
- Kirpachev, O. V. - Effect of fibrinolytic on the development of experimental cholesterol atherosclerosis in rabbits, p. 118.
- Oganesian, S. S., and others. - Enzymatic activity of myosin B in different regions of the heart, p. 119.
- Lovinska, T. N., Shitsina, T. A. - Effect of methylcholine on the development of endogenous hypercholesterolemia in rabbits, p. 122.
- Rachinskii, I. D. - Some problems of biochemical characteristics of different stages of coronary atherosclerosis, p. 123.
- Levin, M. I. A., Stepanchikova, N. A. - Characteristics of hemodynamics in sportmen with hypotension of various etiology, p. 125.
- Kulango, G. V., Borcisho, D. E., Shupak, V. D. - Use of dimercarbene in the treatment of hypertension, p. 128.
- Buludlan, A. N. - Effect of electrolytes on the course of experimental myocardial infarct, p. 130.
- Sokolov, F. I. - Correlation between the content of potassium in the myocardium and ECG in cardiac insufficiency, p. 131.
- Mirlin, B. G. - Normal duration of intervals in the cardiogram, p. 133.
- Kukhterina, E. A. - Changes in the vectorcardiogram following mitral commissurotomy, p. 135.
- Iulit, S. E., Zargari, F. I., Tolpekin, V. E. - Changes in the coagulation and anticoagulation systems of the blood in patients with congenital cardiac defects of the cyanotic type, p. 136.
- Rykin, I. A. - All-Union Congress of Cardiologists, p. 138.
- Resolution of the 1st All-Union Congress of Cardiologists on the problem "Hypertension of the greater circulation," p. 145.
- Resolution of the 1st All-Union Congress of Cardiologists on the problem "Hypertension of the pulmonary circulation," p. 146.
- Kipshidze, N. N., and others. - 5th World Congress of Cardiologists, p. 147.
- (DNLM)
- KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL].** Organ of Ministerstvo zdravookhraneniya Tatarskoi ASSR and Sovetskii nauchnykh meditsinskikh obshchestv [Ministry of Health of the Tatar A.S.S.R. and the Council of Medical Societies]. Kazan, no. 3, May-June 1967.
- *KLINICHESKAYA MEDITSINA [CLINICAL MEDICINE].** Published by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 46, nos. 8, 11-12, Aug., Nov.-Dec. 1965; vol. 47, nos. 1, 4, 11, Jan., Apr., Nov. 1966.
- (DNLM)
- MEDITSINSKAYA PARAZITOLOGIYA I PARAZITARNYE BOLEZNI [MEDICAL PARASITOLOGY AND PARASITIC DISEASES].** Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 38, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Marushvili, G. M. - Elimination of ankylostomiasis in the U.S.S.R., p. 131.
- Sokolovskaya, O. M., Moskin, S. N. - Agglutination reaction with latex as a method of intravital diagnosis of cysticercosis in cattle, p. 138.
- Nadzharov, I. G. - Role of different species of synanthropic flies in distributing oocysts of *Thectopharyngus saginatus*, p. 144.
- Prolova, A. D., Dedov, V. S. - Treatment of taeniarhynchosis with phenasal combined with dichlorophen and quinchlorine, p. 149.
- Epshteyn, Sh. I., and others. - Experience in organizing control of diphylobothriasis among water transport workers, p. 151.
- Pronin, N. M. - Effect of some physicochemical factors on the survival of encapsulated proceroids (*Diphylobothrium* species), p. 154.
- Razumova, E. P., and others. - Effectiveness of treating diphylobothriasis with dichloral and phenasal, p. 159.
- Plotnikov, N. N., and others. - Specific therapy of opisthorchosis and clonorchiasis with chloxyl (hexachloroparaxylenol), p. 162.
- Drozov, V. N. - Results of treating opisthorchosis in children with chloxyl (hexachloroparaxylenol), p. 168.
- Sadykov, V. M. - Problems in the prevention of echinococcosis in cattle, p. 168.
- Shablovskaya, E. A., Smaga, M. F. - Experience in the elimination of a strongyloidiasis in a psychiatric hospital, p. 172.
- Kebina, V. I. A. - Incidence and prevalence of ascariasis among the population during the period of large scale antiascaris therapeutic and prophylactic measures, p. 175.
- Kostomarov, N. I. A., L. P. - Effect of *Amoeba verrucosa* on ascarid eggs, p. 181.
- Romanenko, N. A. - Sanitary and helminthological evaluation of some new methods of rendering harmless sediments of waste waters used in agriculture, p. 181.
- Abrosimov, I. S. - Experience in the work of a school-teacher of biology in control of helminthiasis in rural areas, p. 189.
- Tokarev, I. U. N. - Urogenital schistosomiasis (*Schistosoma*) in Ghana. Report No. 1: Distribution and clinical aspects, p. 192.

- Naumiycheva, M. I. - Study of species specificity of helminth antigenic complexes by means of the anaphylaxis phenomenon. p. 186.
- Zafats, R. G. - Anaphylaxis test with densitization as a method for determining the species affiliation of helminth antigens. p. 201.
- Kil'nikov, G. I. - Unusual cases of localization of dwarf tapeworm in experimental hymenolepiasis. p. 204.
- Perovskaya, E. V. - Morphological changes of neural conductors and their endings in muscular trichinosis and their participation in the innervation of capsules; experimental study. p. 205.
- Gordeeva, L. M. - Changes in Entamoeba histolytica from cultures under the effect of emetin and fumagillin. p. 209.
- Kupriyanova, E. S., Voronikova, L. M. - Ecological and biological characteristics of the population of Culex pipiens pipiens L. in Moscow region. p. 216.
- Vinogradskaya, O. N., Okladnikov, T. A., Dorovitskaya, V. V. - Morphology and classification of the Culex pipiens population in Moscow region. p. 224.
- Grabovskii, B. S. - Once more about the use of statistical methods in the analysis of results of biological research. p. 232.
- Kramchagin, N. F., Popova, F. V. - History of the study of malaria in Russia. p. 234.
- Euseeva, V. E., Chetanova, I. U. A. - Methodology of studying the survival of ascarid eggs kept together with soil ticks. p. 236.
- Marchenko, S. P. - Epidemiology of echinococcosis in Tchernopol' Province. p. 237.
- Zerchaninov, L. K., Shpil'ko, V. N. - Distribution of opisthorchiasis in Tyumen' Province. p. 238.
- Khomenko, V. V., and others. - Results of a study of opisthorchiasis foci in Chernigov Province. p. 238.
- Shupik, A. L., Sokova, L. P., Plosvetova, T. A. - Case of dirofilariosis in man. p. 239.
- Poloschuk, V. D. - Trap for cockroaches and winged flies. p. 240.
- Dukhanina, N. N. - Soviet literature on problems of medical parasitology and parasitic diseases in 1966. p. 243.
- Prokopenko, L. I., Vladimirova, P. A., Arkhipova, N. S. - Interdepartmental conference on control of taeniarhynchosis in man and cysticercosis in cattle. p. 250.
- Mel'nichenko, A. P. - Scientific and practical conference on control of parasitic diseases in Poltava. p. 252.
- Salameia Dimitriyevna Avalishvili; obituary. p. 252. (DNLM)
- Vol. 36, no. 3, May-June 1967.
- Table of contents translated:
- Fabrizianov, G. A., and others. - Materials on some problems of the epidemiology of cutaneous leishmaniasis of the rural type. p. 250.
- Barkov, V. N., Dubrovskii, I. U. A. - Epidemiology of zoonotic cutaneous leishmaniasis. Report No. 3: Cases of zoonotic cutaneous leishmaniasis among the population of the sand-desert interfluve of the Karakum. p. 262.
- Serebriakov, V. A., and others. - Experiments on lyophilization of Leishmania tropica major culture. p. 267.
- Korenberg, E. I., Ivanova, L. M. - Controversial conclusions in the interpretation of the main condition of increased incidence of tick-borne encephalitis among the population. p. 270.
- Dmitriyenko, N. K., Pikhod'ko, E. T. - Foci of tick-borne encephalitis in the zone of dry steppes (semi-deserts). p. 276.
- Chnikhina, S. P., Levkovich, E. N. - Characteristics of the immunological structure of the bird population of the focal territory of tick-borne encephalitis treated with acaricides. p. 278.
- Shumkov, M. A. - Distribution of the ticks Ixodes persulcatus and their hosts in overgrowing clearing and in spruce and fir forest. p. 283.
- Popov, V. F. - Infection of the population by goat milk in a focus of tick-borne encephalitis. p. 288.
- Bellaeva, N. S., Abushkevich, P. V. - Intermittent feeding of Ixodidae ticks as a possible way of transmitting the tick-borne encephalitis virus. p. 289.
- Volkov, V. I., Reznik, V. I., Chernykh, P. A. - Some results of aerial dusting work in the foci of tick-borne encephalitis in Khabarovsk Territory. p. 292.
- Uspenski, I. V. - Method of direct elimination of the tick-borne encephalitis carrier. State and aspects. p. 296.
- Shilova, S. A., Azar'ian, M. B., Shchadilov, I. U. M. - Organization of control of forest murine rodents and their ectoparasites in the foci of some natural infections. p. 301.
- Lazdina, M., Vikeno, A., Grinbergs, A. - Characteristics of the epidemiology of trichinosis in the Latvian S. S. R. p. 307.
- Potapov, A. A., and others. - Study of gnats and measures of protection against them in the area of diamond mines and construction of the Vilyuy Hydroelectric Power Plant in the Yakut A. S. S. R. Report No. 2. p. 312.
- Favorova, L. A., and others. - Possibility of transmission of tick-borne recurrent typhus by lice. Report No. 3: Further materials on the fate of siphonates of tick-borne recurrent typhus in the organism of clothes lice. p. 319.
- Sidorov, V. E., Grokhovskaya, I. M., Kriuchevnikov, V. N. - Maintenance of strains of rickettsial Dermacentor sibiricus on ticks Ornithodoros lahorensis Neumann. p. 323.
- Kazhdan, V. B., Grabovskii, B. S., Dunayeva, I. D. - Improvement of the methodology of laboratory tests of flea repellents. p. 327.
- Romanenko, N. A. - Improvements in the methodology of examining waste waters for helminth eggs. p. 331.
- Timoshin, D. G. - Time and rate of development of Ascaris lumbricoides eggs. p. 333.
- Konopleva, T. K. - Use of mice infected with Ganguliorakia spumosa in experimental therapy of some nematodiasoses. p. 340.
- Pokrovskii, S. N., Spudis, V. K. - Malaria in the R. S. F. S. R. in the period 1952-1965. p. 345.
- Groshkova, I. M., Pavlova, M. S., Petrova, E. F. - Grouping of populated areas based on the degree of danger of spreading of imported malaria and on the rationalized planning of prophylactic anti-malarial measures in the Kazakh S. S. R. p. 348.
- Morozov, V. A. - Detection of parasitic fungus Coelomyces in larvae of Aedes in Krasnodar Territory. p. 353.
- Asiat'ev, B. A. - Case of detection of eggs of Hymenolepis nana (Stebold, 1852) in brain hemispheres of brown rat Rattus norvegicus. p. 353.
- Kallakin, V. N., Miasnikov, I. U. A. - M-agent in the brain of common field mice. p. 355.
- An, A. S., Kamal'dinova, D. G. - Case of dirofilariosis in man. p. 356.
- Perelutov, V. D., Chumakova, I. V. - Ecology of the tick Hyalomma plumbeum in Donets focus of Crimean hemorrhagic fever. p. 356.
- Dremova, V. P. - Experience in using some repellents of forest ants Formica rufa. p. 358.
- Dukhanina, N. N. - Soviet literature on problems of medical parasitology and parasitic diseases published during 1966. p. 363.
- Sicov, M. N. - History of studies of tick-borne encephalitis in the Far East. p. 367.
- Zasukhin, D. N. - International Committee on Toxoplasmosis. p. 368.
- Pokrovskii, S. N., Budagova, G. G. - Interprovincial conference in Briansk on control of ascariasis in the European part of the R. S. F. S. R., September 28-30, 1966. p. 369.
- Uspenski, I. V. - 1st Symposium on Medical and Veterinary Acarionomology. p. 370.
- Grigori, M. K., Pogrebniak, L. P. - Fifth Scientific and Practical Conference of Parasitologists of the Ukraine. p. 371.
- T. G. Rylova; obituary. p. 372. (DNLM)
- *MEDITSINSKI REFERATIVNI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, Razdel [Section] 1, vol. 11, no. 6, June 1967; Razdel [Section] 2, vol. 11, no. 6, June 1967; Razdel [Section] 4, vol. 11, no. 6, June 1967; Razdel [Section] 9, vol. 11, no. 6, June 1967; Razdel [Section] 12, vol. 11, no. 6, June 1967.
- MEDITSINSKI ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniia and Akademii nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S. S. R.]. Tashkent, nos. 3-4, Mar. - Apr. 1967.
- NOUKOGUDE EESTI TERVISHOID [HEALTH SERVICE OF SOVIET ESTONIA]. Organ of Eesti NSV Tervishoiu Ministerium [Ministry of Health of the Estonian S. S. R.]. Tallinn, vol. 10, no. 3, May-June 1967. [In Estonian]
- PROBLEMY TUBERKULEZA [PROBLEMS OF TUBERCULOSIS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, no. 1, Jan. - Feb. 1969. (DNLM)
- SOVETSKAIA MEDITSINA [SOVIET MEDICINE]. Organ of Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R. S. F. S. R.]. Moscow, vol. 30, no. 5, May 1967.
- Table of contents translated:
- Ermo'eva, Z. V. - Antibiotics. p. 3.
- Bushkov, P. N., Ivanova, E. T. - Late results of surgical treatment of chronic suppurative diseases of the lungs in young persons. p. 8.
- Vorontsova, G. V. - Determination of fibrinogen and fibrinolytic activity of the blood in cancer of the lungs, chronic nonspecific pneumonia and exudative pleurisy. p. 14.
- Kochnova, I. E., and others. - Lipids and acid and alkaline phosphatases of blood neutrophils in the determination of the activity of tuberculosis. p. 17.
- TSigel'nik, A. I., Godes, I. U. E. - Clinical value of determining the activity of alkaline phosphatase of leucocytes in pulmonary tuberculosis. p. 23.
- Dulatov, P. K., Kononova, V. N., Naumenko, A. I. - Experience in the treatment of children with bronchial asthma under conditions of pressure chamber. p. 28.
- Kostluchenok, B. M., and others. - Hemodynamic disorders in triple defects of the heart. p. 32.
- Matusova, A. P., and others. - Characteristics of electrocardiographic changes in various stages of aortic stenosis. p. 38.
- Gel'man, B. L., Strongin, G. L. - Significance and comparative evaluation of functional load tests with ECG recording in the diagnosis of latent coronary insufficiency. p. 42.
- Mikhailova, L. I., and others. - Effect of the transfusion of cadaveric blood on some functions of the organism. p. 46.
- Petrov, N. M. - Use of a new vaso- and cardiotonic preparation lauremin as a substitute of tamphor in the treatment of pneumonia. p. 54.
- Bachev, I. I. - Surgical treatment in bone fractures of the extremities in a district hospital. p. 58.
- Mikheev, V. V. - Concerning Professor N. N. Malinovskii's article "Causes of acute cerebral disorders in rheumatic heart defects" (Sovetskaya Meditsina, 1966, No. 11). p. 62.
- Gadzhiev, S. A., Glanitsberg, N. A. - Compound treatment of bronchiectasis in adolescents. p. 63.
- Stavskaya, V. V., Romanakova, N. L. - Segmental lesion of the lungs in acute pneumonia. p. 66.
- Curevich, M. A. - Primary cancer of the lungs in workers of iron ore mines. p. 71.
- Zemstovskii, E. V., Segal, I. A. L. - Experience in the use of ganglionic blocking agents (pentamin) in the treatment of pulmonary edema. p. 76.
- Shkrob, O. S., and others. - Disorders of cardiac activity in postoperative period in patients having undergone surgery on thoracic organs. p. 79.
- Bazanov, V. P., Dedovich, B. V. - Pulmonary resection in destructive tuberculosis under conditions of a sanatorium. p. 83.
- Malinovskii, N. M., Gromova, G. V., Revzis, M. G. - Course of the rheumatic process in children having had mitral commissurotomy. p. 88.
- Kuvaidina, O. A. - Clinical and electrocardiographical characteristics of myocardial infarctions combined with surgical diseases. p. 92.
- Shafiran, L. M., Chirichenko, E. I. - Effect of surgical intervention on the level of prothrombin in the blood serum. p. 96.
- Sokolova-Ponomareva, O. D., Gataullina, L. D. - Differential evaluation of the activity level of the rheumatic process in children. p. 99.
- Borgut, F. A. - State of blood coagulation system in cancer. p. 102.
- Khazov, P. D. - Significance of X-ray examination in differential diagnosis of tumors of the soft tissues. p. 107.
- Shabanov, A. N., and others. - Strangulated hernias in persons over 70. p. 113.
- Korolov, A. M. - Spontaneous ruptures of the ovaries in steroid therapy. p. 116.
- Levito, E. M. - Selection of optimal regimen of controlled respiration in patients operated upon in the Trendelenburg position. p. 119.
- Martynova, N. V., Usminskaia, I. A. - Problems of early diagnosis and treatment of precancerous states. p. 121.
- Falula, M. I. - Incidence of arterial hypertension among persons using water with increased content of sodium chloride. p. 134.
- Atanov, I. U. P. - Mechanism of the action of penicillin. p. 137.
- Kuplats, V., Norovilo, V. S., Spector, V. B. - Case of vasculitis in gastric cancer. p. 139.
- Shekhtman, M. M. - Coarctation of the aorta and pregnancy. p. 141.
- Shubin, B. M., Futorian, E. S. - White bile. p. 143.
- Anpilogov, I. V., and others. - Abstracts. p. 144.
- Krakovskii, N. I., and others. - Impressions of Australian and New Zealand medicine and doctors. p. 150.
- Nesterenko, A. I. - Problems of health protection in some works of V. I. Lenin. p. 155.
- SOVETSKOE ZDRAVOOKHRANENIE KIRGIZII [SOVIET HEALTH SERVICE OF KIRGHIZIA]. Issued by Ministerstvo zdravookhraneniia Kirgizskoi SSR [Ministry of Health of the Kirghiz S. S. R.]. Frunze, nos. 1-6, Jan. - Dec. 1956; nos. 1-2, 4-6, Jan. - Apr., July - Dec. 1967.

- Vil', V.V. - Diabetes mellitus in aged persons p. 72.
 Vlasov, A.I., Samosudov, I.A. - Reducing traumatism in garrison units p. 73.
 Lyubchenko, M.S. - Pneumothorax in the diagnosis of tuberculosis of the meniscus p. 73.
 M. Luchin, Z.V., Rutov, P.S. - Rare case of a fracture caused by a splinter p. 74.
 M. Luchin, G.M., Dukonov, M.M., Kozhevnikova, T.K. - Use of trimetane in the practice of a medical officer p. 74.
 Luchin, L.F., Medvedev, L.G. - Case of using oxygen under increased pressure in the treatment of grave hypoxia caused by drowning p. 75.
 Luchin, P.I. - Experience in organizing work in the medical aid station of a shore base of submarines p. 76.
 Crutskikh, M.A. - Characteristics of some indices of human movements under conditions of transitory weightlessness p. 76.
 Fuchman, L.D. - Case of using steroid hormones in acute dystrophy of the liver p. 77.
 Titov, L.A., Ulunbekov, R.F. - Experience in the diagnosis and prevention of gastric diseases in soldiers during their first year of service p. 78.
 Volov, V.P. - Portable anesthesiology unit p. 79.
 Rehtman, B.M. - Some equipment for treating patients with burns p. 80.
 Potolov, B.M. - Following V.I. Lenin's directions p. 82.
 Tsaritsin, G.V. - Periodicals of the S.M. Kirov Order of Lenin Naval Academy during the first years of Soviet power p. 84.
 Nektulov, V.S., Stepanova, N.P. - Inflated constructions for field hospitals p. 85.
 Zinoviy Mosevich Volynskii, on his 70th birthday p. 88.
 Gortalam, G.M. - 9th International Cancer Research Congress p. 89.
 Gubelin, L.A., Chasnikov, P.I. - 16th Scientific Session of the Institute of Nutrition p. 92.
 Bedrov, L.M. - 15th Scientific Conference of Physicians of the Northern Caucasus Military District p. 94.
- VRACHEBNOE DELO [MEDICAL PRACTICE].** Organ of Ministerstvo zdravoohraneniya USSR (Ministry of Health of the Ukrainian S.S.R.). Kiev, no. 5, May 1967.
 Table of contents translated.
 Mil'to, V.I. - Kiev Medical Institute on the 50th anniversary of the Great October, p. 1.
 Krasnosel'skii, G.I. - Exercise therapy in clinical practice p. 7.
 Frankfurt, A.I. - State of the kidneys in some diseases of the cardiovascular system p. 11.
 Danisuk, V.B. - Late results of sanatorium and health resort treatment of gastric and duodenal peptic ulcer at Morshin Health Resort p. 15.
 Melnikov, P.P. - Clinical classification and indications for differentiated treatment of nonspecific ulcerous colitis p. 16.
 Novikov, V.S., and others. - Diagnostic significance of determining total amino nitrogen of the gastric content in some diseases of digestive organs p. 23.
 Glukhina, T.T., Zabira, R.I. - Role of the liver in the pathogenesis of allergic states p. 25.
 Kiriluk, N.A. - Treatment of patients recovered from epidemic hepatitis at Morshin Health Resort p. 28.
 Kovalchuk, L.N. - Diagnosis of gastric cancer by means of peritoneoscopy combined with transillumination p. 30.
 Solodova, N.M., Klechikov, L.Z. - Phagocyte potential of the blood in malignant tumors p. 33.
 Balda, N.A. - Detection of tumor cells in the blood following different effects on the tumorous process p. 37.
 Belostochnaia, N.G. - Myxoma of the left atrium p. 39.
 Kozlov, N.P. - Autoimmunization of the body in experimental hypoplastic anemia p. 42.
 Dekhtiar', A.L., Synovets, A.S. - Thromboelastographic indices in thrombo-obliterating vascular diseases p. 45.
 Perfilov, V.P. - Methodology of determining pyruvic acid in small amounts of blood p. 47.
 Khominskaya, M.B. - Connection between age-related and atherosclerotic changes in the vessels p. 49.
 Radzivil, V.F., and others. - Treatment of arrhythmias p. 54.
 Luk'ianova, N.I., and others. - Characteristics of the composition of amino acids of the blood in some diseases of the heart p. 57.
 Golovko, A.F. - Late results of the treatment of hypertension in biotrom p. 61.
 Dembo, A.M. - Possibilities of restoring adaptation reserves in hypertension p. 64.
 Babchina, I.P. - Clinical aspects of cerebellar hemorrhages p. 67.
 Tsipko-Gran, G.A. - Temporary loss of working ability due to hypertension in industrial enterprises depending on weather factors p. 70.
 Volynskaya, R.A., Plenov, N.N. - Clinical significance of determining serum transaminase in different forms of coronary insufficiency p. 72.
 Kushnir, V.E. - Use of nicotol in the treatment of atherosclerosis p. 78.
- Iashchenko, B.P., Marchuk, A.L. - Late results of treatment and functional state of the cardiovascular and respiratory systems in elderly and senile patients with pulmonary tuberculosis p. 79.
 Rakhmanov, Kh. Kh. - Treatment of denture disease of pulmonary tuberculosis with antibacterial preparations and tuberculin p. 83.
 Shub, N.I. - Periodic disease p. 87.
 Kornelchuk, A.G. - Clinical aspects of conductance of mimetic muscles innervated with the facial nerve p. 91.
 Kovalevskii, B.G. - Effect of protein blood and sugar on the functional activity of the thyroid gland in thyrotoxicosis p. 93.
 Shulakovskaya, T.A., Kuz'minskaya, U.A., and others. - Effect of galascorbin on some physiological indices in regenerating muscular tissue p. 95.
 Panchenko, V.D. - Comparative data on myofibrillar disorders in nerve fibers of the urinary bladder and sciatic nerve in man p. 96.
 Mel'nik, M.N., Kalluzhnyi, D.N., Kiyzhinovskaya, M.V. - On the eve of the 15th All-Union Congress of Hygienists and Public Health Physicians p. 101.
 Kundlev, I.U.I., Rappoport, M.B. - Changes in the skin following application of organophosphorus insecticides, experimental morphological study p. 106.
 Parank'o, N.M., Vyshchepan, V.F. - Permeability and quantities of "local" low frequency vibration p. 110.
 Vasil'eva, V.L. - Arbovirus infections in the Ukraine p. 113.
 Balan, V.F. - Duration of the detection of antibodies from the air in experimental aerosols p. 114.
 Zatulovskii, B.G., Shkol'nik, L.A. - Material on the biology of Rickettsia prowazekii p. 119.
 Khomenko, P.V., Koshman, A.P., Kogut, T.S. - History of the beginning and development of the October Revolution Kiev City Clinical Hospital p. 123.
 Gela, A.A. - Treatment of chronic colitis at "Ukraine" Health Resort p. 127.
 Tsybil'skaya, V.I., Baran, R.L., Gorban', M.I. - Effectiveness of the treatment of nonspecific ulcerous colitis p. 128.
 Rudova, I.D. - Use of blood combined with novocaine in diseases of peripheral nervous system p. 132.
 Biezimev, V.S. - Treatment of peptic ulcer with gangliolytics, DOCA and their combinations p. 133.
 Chelkak, A.I. - Complication of myocardial infarction by acute gastric ulcer p. 132.
 Kutueva, R. Kh. - Resistance local syndrome in hypertension p. 133.
 Sahpere, V.P. - Lethal outcome in diabetic coma p. 135.
 Dudchik, G. Kh. - Anaphylactic shock with lethal outcome following administration of 100,000 units of streptomycin p. 136.
 IAl's'ko, V.A. - Case of severe reaction to the administration of polyglukin p. 136.
 Onashchuk, V.F. - Cases of emphysema-off embolism p. 138.
 Ivkov, V.G., Chulikhova, G.G. - Characteristic allergic reaction in treatment with prednisolone p. 141.
 Vetsenko, A.D., Gailchuk, M.I., Shumachenko, A.S. - Role of chronic bronchitis in the course and etiology of bronchial asthma p. 141.
 Sobolev, I.N. - Primary atypical pneumonia p. 142.
 Gorbatenko, A.G. - Combination of bronchial asthma with hypertension p. 143.
 Kurennaya, S.S., Denilashvili, D. Sh. - Neoplasmic sarcoma of the lung p. 146.
 Franta, M.I. - Two cases of variants of peripheral migratory neuralgia p. 147.
 Kudrjavtseva, E.F. - Methodology of pleurothoracography of subcortical reflexes p. 149.
 Bogdanov, I.L. - 4th International Congress on Infectious Diseases in Munich p. 151.
 Roti, A.V. - Legal consultation p. 157.

No 6, June 1967.

- Table of contents translated.**
 Zadorozhnyi, B.A. - Karkov Medical Institute on the 50th anniversary of Soviet power p. 1.
 Kropacheva, N.A., and others. - Sanatorium and health resort treatment of chronic nephritis p. 1.
 Shpigel', A.N. - Significance of urocentronological examination in chronic pyelonephritis, glomerulonephritis and their combinations p. 8.
 Skripnichenko, D.F. - Surgical treatment of myocardial infarction p. 14.
 Ankin, B.S. - Study of thrombocytopenia in patients with cancer of the digestive canal p. 18.
 Shultpenko, I.M. - Use of oxygen and polyvitamin in compound treatment of chronic cholecystocholelithiasis p. 21.
 Pekur, S.V. - Effect of antibacterial and hormonal treatment on the secretory function of the stomach in patients with pulmonary tuberculosis p. 24.
 Nebolov, V.A. - Role and significance of reticular mechanisms in the saturation of arterial blood with oxygen; based on oxyhemographic data p. 27.
 Andruschenko, E.V. - Blood coagulation system in hypertension under the effect of treatment in biotrom p. 31.

- Trotsenko, I. M. - Frequency and localization of hemorrhagic manifestations in Werlhof's disease. p. 35.
- Beko, G. P., Zolotarev, A. E. - Clinical aspects of preinfarct state. p. 37.
- Dembo, A. G., Levin, M. I. A. - Hypotension in sportsmen. p. 40.
- Synchuk, A. N. - Prolonged vectorcardiographic control in myocardial infarct. p. 44.
- Trach, S. S. - Effect of disorders of cerebral blood circulation on regenerative and neurotrophic processes in neural tissue. p. 48.
- Sushkov, G. D., and others. - Use of "ganglionic block without hypotension" in myocardial infarct and grave stenocardia. p. 51.
- Shakhrazova, M. V. - State of blood coagulability in hypotension; based on the ombelasiographic data. p. 55.
- Pecheritsa, V. D. - Use of aerosols of antibiotics, broncholytic substances and glycosides in pneumocardial insufficiency. p. 57.
- Polishko, V. K. - Changes in the gaseous composition of the blood in rheumatism. p. 61.
- Fedyshin, P. S. - Diagnosis of peritartaritis nodosa. p. 65.
- Morozova, L. I. - Lipoproteins of the blood serum in rheumatism. p. 69.
- Kulachkovskii, I. V., Luzhanskii, S. S. - Electrocardiogram and gaseous composition of the blood in pulmonary tuberculosis. p. 73.
- Fomicheva, N. I. - The ombelasiogram in pulmonary tuberculosis. p. 76.
- Progonnata, V. V. - Morphological changes of the blood in hemolytic anemia in the light of its immunogenesis. p. 78.
- Esedov, E. M. - Cytochemical study of ascorbic acid metabolism in chlorosis and chloranemia. p. 81.
- Mit'ko, V. I., Shved, G. P., Aleev, L. S. - Use of electromyography in patients with syringomyelia in the process of treatment with radioactive I¹³¹. p. 85.
- Shevaga, V. N. - Diagnostic value of the Marinesco-Radovici reflex. p. 88.
- Buzhko, G. Kh., Chibuknakh, N. B. - Metabolism of ribonucleic acids in pallidology of the sciatic nerve, experimental study. p. 91.
- Shul'ga, A. I. - Audiometry in the diagnosis of multiple sclerosis. p. 93.
- Kalantavskaya, K. A., and others. - Incidence of dermatitis and epidermophytosis in persons having prolonged contact with antibiotics. p. 98.
- Ivanova-Tikhvinskaya, E. L. - Manifestation of toxic lesion of the liver caused by a complex of substances used in the technology of synthetic rubber. p. 100.
- Matishina, V. I. - Cutaneous-resorptive effect of the insecticide methylnitrophenol. p. 102.
- Ivanova, T. P. - Toxicity of nitrophenol and preventive measures in its processing. p. 107.
- Dogonilov, F. I. - Detection of anthrax pathogen on the mucous membranes of the upper respiratory tract in healthy persons. p. 110.
- Pervachenko, S. V., and others. - Parainfluenza viruses and their role in acute respiratory diseases. p. 112.
- Shelkovskaya, G. A. - Treatment with reopirin or buladions and antibiotics in Q fever and swamp fever. p. 114.
- Postovli, V. A., Tkachuk, E. P. - Effect of bile and bile acids on cholinesterase activity. p. 116.
- Khodakovskii, E. V. - Experience in the organization of medical service for agricultural workers. p. 118.
- Podorozhnyi, P. G. - Requirements of some vitamins in endemic goiter. p. 122.
- Palanarchuk, V. M., Shabel'nik, V. I. - Psychotherapy for patients recovered from myocardial infarct. p. 123.
- Masik, M. G. - Diagnosis of congenital defect of foramen septum. p. 125.
- Trakhtenberg, S. B., Vinogradova, I. A. - Some problems of antibiotic therapy. p. 126.
- Darabash, F. M. - Treatment of acute coronary insufficiency with retrosternal novocaine blocks. p. 128.
- Pochepitov, V. G., Balaban, E. I. - Erythrocyte treatment in chronic circulatory insufficiency. p. 130.
- Lishevskii, P. M., Tsukerman, I. A., Radonskii, V. I. - Urethro-oculo-synovial syndrome. p. 132.
- Likhtanskii, G. P. - Occupational therapy in the compound treatment of chronic alcoholism. p. 133.
- Ibragimov, V. Kh. - Some biochemical indices of the blood in chronic alcoholism. p. 134.
- Leahchik, M. T. - Schizophrenia-like psychosis on the background of Lisenko-Cushing disease. p. 136.
- Kolomitsova, M. G., Polonskaya, M. N., Romanovskaya, N. N. - Utilization of Laminaria saccharina in therapeutic and prophylactic nourishment. p. 137.
- Duplik, Z. K., Krasil'shchik, D. Z. - Pheochromocytoma. p. 139.
- Iarysh, B. A. - Lymphogranulomatosis with atypical beginning of the disease. p. 141.
- Savchenko, N. T., Bondaranko, B. B. - Acute pneumonia following corticoid therapy. p. 142.
- Koetlin, V. K. - Role of atropine in the evaluation of respiratory disorders in pulmonary tuberculosis. p. 143.
- Sorokin, G. A. - Case of symptomatic psychosis caused by chloroprivic tetania. p. 144.
- Aliev, M. A., Zakharov, G. A. - Effect of ACTH on the level of arterial pressure and correlation of blood electrolytes. p. 145.
- Zalubovskii, L. V. - Cancerous transformation of an atheroma of the hairy part of the head. p. 146.
- Anatovskaya, V. S., Iashchenko, V. I. - Clinical aspects of lesions to the nervous system caused by methyl iodine. p. 147.
- Kondrat'ev, G. G., Tselikha, B. B. - Results of treating pemphigus with corticosteroid and other preparations. p. 149.
- Rabinovich, P. D., Aleksenko, I. U. - Role of auto-immune mechanisms in pathogenesis of peptic ulcer. p. 150.
- Ruban, V. P., Ludinskii, E. A. - Concerning A. R. Vinilskii's article "State of neurological service in the Ukraine and ways of its further development." p. 151.
- Soskin, L. S. - D. I. Fridberg's erroneous statements. p. 153.
- Rott, A. V. - Legal consultation. p. 156.
- ZDRAVOOKHRANENIE BELORUSII [HEALTH SERVICE OF WHITE RUSSIA]** Organ of Ministerstvo zdoravookhraneniia BSSR [Ministry of Health of the White Russian S. S. R.], Minsk, vol. 13, no. 6, June 1967
- ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN]** Issued by Ministerstvo zdoravookhraneniia Kazakhskoi SSR [Ministry of Health of the Kazakh S. S. R.], Alma-Ata, vol. 27, no. 6(265), June 1967. (DNLM)
- ZDRAVOOKHRANENIE ROSSISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]** Issued by Ministerstvo zdoravookhraneniia RSFSR [Ministry of Health of the R. S. F. S. R.], Moscow, vol. 11, no. 5, May 1967.
- Table of contents translated:
- Zabludovskii, P. E. - Z. P. Solov'ov and the current tasks of Soviet public health, on the 90th anniversary of his birth. p. 3.
- Rubtsov, D. D., and others. - New way of organizing prophylactic inoculations for children of a rural area. p. 7.
- Kuznetsov, I. U. K. - Experience in the organization of planned hygiene of the oral cavity for schoolchildren in Kiev District of Moscow. p. 11.
- Garina, M. G. - Compound study of the morbidity among workers. p. 16.
- Malov, N. I. - Outpatient attendance of rural medical stations. p. 21.
- Abramovich, B. M. - Physical development of infants in the first year of life in the cities of Amur Province. p. 26.
- Goienski, L. A. - Methodology of using the anamnestic method in the study of morbidity among physicians. p. 30.
- Ivanov, A. I. A. - Scientific student society and its role in the preparation of scientific cadres and education of students. p. 34.
- Iakubova, E. N. - Methods of studying the general morbidity of the population and expenses for medical services in France. p. 37.
- Colloquium of the Ministry of the Public Health of the R. S. F. S. R. on the experience in the work of Omsk Province Public Health Department in the improvement of the material basis of rural therapeutic and prophylactic institutions and development of specialized medical services in the districts of the province. p. 43.
- Rabinin, A. I. A. - Consultation. p. 46.
- Vol. 11, no. 6, June 1967.
- Table of contents translated:
- Ivanov, I. U., Sadonskii, A. - Some results of the work on the improvement of medical service and health protection of the population of the Russian Federation during 1959-1966. p. 3.
- Vol'fman, I. A. G., Sveshnikov, A. V. - Activity of councils in medical installations. p. 7.
- Akulov, K. I., Il'inski, A. P. - Nature and organization of the work of public health physicians. p. 12.
- Iakobashvili, V. A. - Characteristics of the invalidity rate from some causes in workers and employees in Krasnodar. p. 14.
- Abramovich, B. M., Galanin, B. P. - Physical development of the students of Blagoveshchensk Medical Institute. p. 19.
- Zhukov, A. E. - Attendance of therapeutic and prophylactic village stations by rural residents with surgical diseases and injuries. p. 21.
- Vasil'ev, M. V., Aznaur'ian, M. S. - Experience in introducing scientific organization of the work under sanatorium conditions. p. 27.
- Domidov, V. A. - Experience in the work of a diagnostic day infirmary. p. 30.
- Voskhol, A. A. - Experience in the work of the library of a Medical Institution of Higher Education associated with the Province Medical Library. p. 32.
- Chekmev, B. M. - Admission of first year students in Medical Institutions of Higher Education in the R. S. F. S. R. p. 35.
- Burtsev, A. M., Zenin, B. A. - Results of state graduation examinations in a medical institute. p. 38.
- Matveeva, E. E. - Some problems of children's health protection in the Rumanian Socialist Republic. p. 42.
- Zusman, N. G. - Collegium of the Ministry of the Public Health of the R. S. F. S. R. concerning the joint work of the organs of health protection and national education for medical and sanitary service for the schoolchildren of Murmansk Province. p. 47.
- ZDRAVOOKHRANENIE TADZHIKISTANA [HEALTH SERVICE OF TADZHIKISTAN]** Issued by Ministerstvo zdoravookhraneniia Tadzhikskoi SSR [Ministry of Health of the Tajik S. S. R.], Dushanbe, vol. 14, no. 3(77), 1967.
- ZDRAVOOKHRANENIE TURKMENISTANA [HEALTH SERVICE OF TURKMENISTAN]** Organ of Ministerstvo zdoravookhraneniia TSSR [Ministry of Health of the Turkmen S. S. R.], Ashkhabad, vol. 11, no. 4(88), Apr. 1967.
- ZHURNAL EKSPERIMENTAL'NOI I KLINICHESKOI MEDITSINY [JOURNAL OF EXPERIMENTAL AND CLINICAL MEDICINE]** Issued by Akademiia nauk Armianskoi SSR [Academy of Sciences of the Armenian S. S. R.], Yerevan, vol. 7, no. 1, 1967.
- Table of contents translated:
- Ognevskii, A. S., Chshmaritlan, Ch. S., Gevorgian, Zh. S. - Transport of glucose into erythrocytes. p. 3.
- Daniellian, G. A., Sarkislan, E. Kh., Galstian, A. M. - Motor activity of the large intestine in dogs under normal conditions. p. 8.
- Vinobian, I. L. - Excretion of acetylcholine by the gastric mucous membrane and its quantitative changes under the effect of ganglione and quaternone. p. 13.
- Mnatsakanian, A. A. - Role of glycoproteins and neuraminic acid in the mucous membrane of the stomach and intestines. Report No. 1. p. 25.
- Gasparian, E. I. - Content of histamine and the activity of histaminase in the blood of workers in chronic chloroform poisoning. p. 33.
- Klandarian, K. A., Babedzhanova, N. O. - Evaluation of the state of the contractile function of the myocardium in acquired cardiac defects. p. 39.
- Fel'dman, S. B., Kogan, B. M. - Study of the contractile function of the myocardium in surgical treatment of coronary insufficiency. p. 51.
- Galstian, A. A. - Dynamics of the circulation rate in children with heart defects against the background of a current rheumatic process. p. 61.
- Bassegian, R. G. - Adaptive changes in the activity of some blood enzymes in nursing infants. p. 66.
- Zhil'tsova, M. N. - Effect of compound physiotherapeutic treatment on the reactivity of the cardiovascular system in disorders of cerebral circulation. p. 69.
- Iosifian, A. G. - Clinical course and X-ray study in anebulosis. p. 75.
- Telichko, A. T., Nersisova, A. G. - Treatment of chronic dysentery with blood transfusions combined with meyerin and other antibiotics. p. 83.
- Mirzolan, G. A. - Treatment of local suppurative processes with novocaine block without penicillin and in combination with it. p. 87.
- Sankhan, V. S. - Correlation between morbidity, bacterial carriage and active immunization against diphtheria in Eryvan during 1956-1966. p. 91.
- Zargarian, A. Kh. - Characteristics of traumatism among tobacco growers in Shamshadinskii District of the Armenian S. S. R. p. 94.
- Gevorgian, E. M. - Method of obtaining identical tomographic pictures of the temporomandibular joint in pathological detrition of the hard dental tissues. p. 98.
- Karagezian, K. G. - Second All-Union Conference on Problems of Blood Coagulation. p. 102. (DNLM)
- Vol. 7, no. 2, 1967.
- Table of contents translated:
- Khumarian, N. G., Mamikonian, R. S. - Role of gamma aminobutyric acid in the regulation of the glycemia level in diabetes mellitus. p. 3.
- Burnazian, G. A., Sekojan, E. S. - Effects of quateron on the secretion and chemism of bile. p. 10.
- Gabriellian, E. S., Akopian, V. P. - Methodology of simultaneous recording of the velocity of cerebral blood flow and electroencephalogram. p. 17.
- Chubarian, Kh. A. - Experimental transmission by ticks Ornithodoros lactagalis and Ornithodoros verrucosus of Spirocheta sodgiani, the pathogen of tick-borne recurrent typhus. p. 22.
- Zograbian, S. G., Muradian, G. T. - Electroresistance of the skin in generalized and focal forms of epilepsy in children and adolescents. p. 27.

- Ikachenko, V.N. - Characteristics of auxotrophic guanine-dependent mutants of *Salmonella typhimurium*. p. 21.
- Pustovit, V.A., Fedulova, E.G. - Some characteristics of bacterial carrier state in persons recovered from typhoid and paratyphoid diseases. p. 25.
- Shuster, B.U. - Combined use of microrefractometric and cultural methods for the analysis of the composition of typhoid fever bacilli. p. 28.
- Klimov, K.V. - Connection between the immunological reactivity of patients with acute dysentery and the method of tetracycline administration. p. 34.
- Stepanova, L.K., and others. - Biological properties and chemical nature of antigens of paratyphoid bacilli. p. 38.
- Stepanovskaya, L.D., Oleinik, G.I., Davydova, N.V. - Use of the colicinogenicity test of enteropathogenic *Escherichia coli* in the epidemiological analysis of diseases caused by them. p. 43.
- Levenson, V.I., Chernokhovostova, E. - Formation of antibodies 19S and 7S and the immunological memory in immunization of mice with VI- and O-antigens. p. 46.
- Kaplanak, K.G., Rafal'son, D.I., Teterina, Z.K. - Possibility of detecting latent forms of infectious hepatitis in donors. p. 51.
- Grabovskii, P.M., and others. - Materials of laboratory diagnosis of water-borne outbreak of enterocolitis caused by enteropathogenic *Escherichia coli* 0124 K72 (B17). p. 55.
- Kur'ianov, E.A., Kurdikov, V.G. - Leptospirosis in animals in Sachalin. p. 59.
- Atanlian, K.M. - Immunity to botulism in humans. p. 62.
- Lalafian, G.P., and others. - Use of *Salmonella typhi* VI-antigen or the immunization of preschool-age children. p. 65.
- Grabovskaya, K.B., Totoltan, A.A. - Carrier state of latent plagues between different types of intestinal bacteria. p. 67.
- Fernikova, M.P., Vlasova, E.V. - Morphological and histochemical changes in the organism of guinea pigs caused by *Clostridium sonchii* toxin. p. 70.
- Shenuranova, G.F., Zemlantskaya, E.P. - Activation of ϵ -prototoxin of type D *Clostridium perfringens* by type A and D proteinases. p. 74.
- Rusakova, E.V. - Present-day concept of the nature and properties of staphylococcal ϕ -toxin. p. 77.
- Kravchenko, N.A., and others. - Phage typing as a method of detecting epidemiological associations in diphtheria foci. p. 80.
- Rebrova, R.M. - Treatment of experimental infection caused by diphtheria bacilli in association with *Candida albicans* fungus. p. 84.
- Sit'chenko, V.S. - Conditions for the effectiveness of prophylactic vaccinations against leishmaniasis. p. 88.
- Samoilova, V.S., and others. - Purification of *Clostridium perfringens* anatoxin by electrophoretic convection. p. 93.
- Benenson, E.V., Burenkova, L.K. - Comparative evaluation of hemagglutinating and precipitating in-dicatory systems in the reaction of the detection of incomplete circulating autoantibodies. p. 97.
- Golubeva, I.M. - Biological properties of microrganisms adapted to some antineoplastic chemotherapeutic preparations. p. 103.
- Koval'skaya, S.I.A. - Anaphylactogenic properties of adsorbed and nonadsorbed pertussis-diphtheria-tetanus vaccines. p. 105.
- Birjukov, V.V., Levina, L.A. - Use of the method of differences in comparing the activity of biological preparations, tests of active and passive immunity in animals. p. 110.
- Shamirayeva, S.A., Vlasova, E.V. - Determination of the activity of antitoxic sera against *Clostridium oedematis* in tissue culture. p. 116.
- Andreeva, N.G. - Obtaining of antibodies to antigens of kidney tissue. p. 119.
- Lifanova, I.I. - Detection of antibodies against gram-negative bacteria in the sera of nonimmunized rabbits by means of agglutination and immunofluorescence reactions. p. 123.
- Khranova, L.P. - Results of gamma globulin mass prophylaxis against epidemic hepatitis. p. 127.
- Kartsev, A.D., Kalachev, P.L. - Survival of Boyd's dysentery bacilli in common and chlorinated river water. p. 130.
- Nazarova, Z.I.A., Turovskaya, L.I., Levoshin, O.A. - Epidemiological characteristics of outbreaks of the "bathing" nonlethal leptospirosis. p. 130.
- Zharikova, M.S. - Diagnostic value of culture media with synomyela and rivanol in bacteriological examination for dysentery. p. 131.
- Antimoni, D.G. - Role of the nutrition factor in epidemiology of dysentery. p. 132.
- Ponomareva, A.A., Bessonova, M.A., Gurenko, O.I. - Survival of *Salmonella typhi* in external environment. p. 133.
- Sultanov, Z.Z. - Effect of bile salts on the growth of some bacteria of the intestinal group. p. 134.
- Krichovskii, I.U.A., and others. - Results of emergency streptomycin prevention of dysentery under conditions of a hospital for noninfectious diseases. p. 135.
- Chistakov, N.A. - Growth rate of β -hemolytic A-group *Streptococcus* in diffuse glomerulonephritis. p. 135.
- Chekmareva, N.F. - Sources of milk pollution with *Staphylococci*. Report No. 3. p. 138.
- Kulikova-Gerasimova, E.A. - Some properties of *Staphylococci* isolated from patients with enterocolitis. p. 137.
- Lyskovits, M.M. - N.K. Rosenberg and I.A. Vinokurov's priority in the description of enanthema in typhus fever. p. 138.
- Khasamutdinov, A.G., Gedze, G.I. - Evaluation of the effectiveness of antileptic and prophylactic measures. p. 139.
- Terekhov, S.N. - Brief news. p. 150.
- Baiats, S.M., Iachmenev, N.I., Kienskaya, M.G. - Second Scientific and Practical Conference of Epidemiologists, Microbiologists and Infectious Disease Specialists of Kaliningrad Province. p. 151.
- Skolubovich, G.V. - Results of the 3d Jubilee Scientific and Practical Conference of Epidemiologists, Infectious Disease Specialists, Microbiologists and Public Health Physicians of Amur Province, dedicated to the 50th Anniversary of Soviet Power. p. 153.
- b GYNECOLOGY, OBSTETRICS & PEDIATRICS
- AKUSHERSTVO I GINEKOLOGIJA [OBSTETRICS AND GYNECOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 40, no. 3, May-June 1964.
- Table of contents translated
- Lebedeva, L.I., Iakovlev, I.I. - Significance of electrophysiological parameters in the evaluation of the formation of labor dominant and the use of stimulation in the study of the pathogenesis of atonic labor. p. 3.
- Lisovskaya, G.M. - Study of the electric activity of the uterus by means of vaginal leads. p. 10.
- Pashchenko, V.V. - Role of the adrenal cortex in labor. p. 16.
- Stepanovskaya, K.K. - Role of oxytocics and their enzymolysis in prolonged pregnancy. p. 19.
- Chachava, K.V., Budzhinskii, O.N., Kintala, P.I. - Fetal electrocardiogram in the process of normal and pathological labor. p. 23.
- Baranova, O.G. - Asymmetry in the arterial pressure and its significance in the diagnosis of late pregnancy toxemia. p. 29.
- Konstantinov, V.I. - Nonspecific placental pathology and its obstetrical significance. p. 33.
- Brusilovskii, A.I. - Comprehensive study of polysaccharides in human chorionic tissue during early stages of pregnancy. p. 38.
- Kasab'lan, S.S., Smirnova, O.M. - Some problems concerning the histochemical study of acid mucopolysaccharides in placental villi. p. 43.
- Savitskaya, G.A. - Study of fetal heart beat and motion activity in pregnancy of diabetes as an evaluation method for the effectiveness of treatment. p. 46.
- Verbitskii, M.Sh. - Experimental study of the pathogenesis of the newborn. Clinical aspects of erythroblastosis in rats. p. 49.
- Tumilovich, L.G. - Gonadal dysgenesis; a review of literature. p. 63.
- Moliseenko, M.D., Shakhnovskaya, V.F., Golubeva, I.V. - Stein-Leventhal syndrome. p. 69.
- Kvator, E.I., Kiymskaya, M.L. - Stein-Leventhal syndrome and its variations. p. 65.
- Leonov, S.K. - Stein-Leventhal syndrome. p. 71.
- Kolarov, P., Dokumov, S. - Stein-Leventhal syndrome. p. 74.
- Iudina, Z.P. - Functional state of the adrenal cortex in gynecological operations. p. 78.
- Manuilova, I.A. - State of the genital system in women with mastopathies. p. 82.
- Kalshauri, N.L. - Correlation between the structure of ovaries and the breast in regard of age. p. 87.
- Kornienko, E.A. - Changes in the caliber of retinal vessels in normal and abnormal menstrual cycle. p. 92.
- Govorukhina, E.M. - Dynamics of basal metabolism during normal menstrual cycle and in amenorrhea. p. 95.
- Logina, N.E. - Microwave therapy in chronic inflammatory diseases of internal female genitalia. p. 102.
- Gofman, G.E., Levina, D.A. - Collagenosis stimulating gynecological diseases. p. 106.
- Vanina, L.V. - Some problems of obstetrical methods in rheumatic heart disease. p. 110.
- Zharkin, A.F., Ivanov, A.M. - Use of vibrodilatator for the dilatation of the cervical canal. p. 119.
- Tsorennamid, Ch. - Apropos of pregnancy anemias. p. 120.
- Makoev, V.I.A. - Pregnancy in thrombophlebitic splenomegaly. p. 122.
- Zamiatina, Z.I. - Late results of colpocysts with free autotransplantation. p. 124.
- Zavershinskaya, L.I. - Functional state of the urinary bladder in some gynecological diseases. p. 125.
- Pogorelko, I.P., Zmolro, I.D. - Rare complication following surgery on a vesicovaginal fistula. p. 127.
- Miloslavskii, M.I.A., Gushchina, L.S., Marim'ian, L.S. - Case of extremely premature puberty. p. 128.
- Golubeva, I.V. - Two cases of virilism occurring during pregnancy. p. 129.
- Vainan, I.M. - Delivery of a live full-term fetus following bilateral sphenoid resection of polycystic ovaries (Stein-Leventhal syndrome). (DNLM)
- PEDIATRIA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 27, nos 4-6, July-Dec. 1965 (DNLM)
- VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MATERNAL AND CHILD CARE] Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 12, no. 6, June 1967.
- d OPHTHALMOLOGY & OTORHINOLARYNGOLOGY
- VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARYNGOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 10, no. 2, Mar.-Apr. 1968; vol. 28, no. 3, May-June 1966. (DNLM)
- e. PATHOLOGY & THERAPEUTICS
- *AKADEMIA MEDITSINSKIIH NAUK SSSR, Moscow. Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 22, no. 6, 1967.
- Table of contents translated
- Blokhin, N.N. - 50 years of Soviet oncology. p. 3.
- Abelev, G.I., and others. - Evolution of the virus and genetic theory of the origin of malignant neoplasms. p. 8.
- Chaklin, A.V. - Some results and aspects of the study of epidemiology of malignant neoplasms in the U.S.S.R. p. 13.
- Shabad, L.M. - Distribution, circulation and fate of carcinogenic carbohydrates in the environment of man and the role of their deposition in tissues in carcinogenesis. p. 20.
- Blokhin, N.N., Perevodchikova, N.I. - Some stages of clinical chemotherapy in the tumorous diseases. p. 30.
- Svet-Moldavskii, G.I.A., Pavlovskii, A.I., Raykba, L.I. - Principle of selective protection in chemotherapy of malignant tumors. p. 42.
- Peterson, B.E., Musul'manbekov, K.Zh. - Surgical treatment of cancer of the proximal portion of the stomach. p. 48.
- Troitskii, R.A. - Role of adhesions in cancer metastasizing from organs of the abdominal cavity. p. 55.
- Prigov, A.I., Lipatov, A.M. - Prognosis in slightly differential forms of pulmonary cancer. p. 60.
- Falliev, G.N., Annaslan, L.A. - Difficulties and errors in the diagnosis of extracranial solitary tumors of the neck. p. 64.
- Rudavskii, B.A., Kharin, L.A. - Neurinomas of the tongue. p. 69.
- Assekritova, I.V., and others. - Immunochemical diagnosis of primary cancer of the liver. p. 76.
- Rampan, I.U.I. - Oxygen exchange and blood supply in tumors and normal tissues. p. 81.
- Shabad, L.M., Lino Cancer Research

- Hulse, W. - Effect of adrenal hormones, starvation and alloxan diabetes on the content of free fatty acids in the plasma of rat embryos and newborn p. 48.
 Robu, A. I. - Exchange of adrenal cortex hormones between blood plasma and individual tissues in rats under normal conditions and in shock resulting from compression of soft tissues. p. 51.
 Zakharova, Z. V. - Changes in the mineral and protein metabolism in calcified tissues in rats following continuous administration of hydrocortisone, DOCA and ACTH. p. 55.
 Smazhina, N. A., Fyok, Le Van - Catechol amines in the adrenal glands and blood in cats following denervation. p. 59.
 Lipovskii, S. M., Zolchik, A. Sh. - Role of the hypothalamus in the regulation of secretion and trophic function of the gastric mucosa. p. 63.
 Kabanov, N. M. - Effect of clinical death on the osmotic sodium clearance and the composition of urine p. 68.
 Pukhov, V. A. - Pathogenesis and compound treatment of cerebral anemia. p. 72.
 Ivanova, R. A., and others. - Pathogenesis of lysergic psychosis. p. 73.
 Amirov, N. Sh. - Absorption of glucose from the small intestine in experimental hypertension. p. 75.
 Nikiforov, V. A. - Intensity of tissue respiration in experimental animals during the process of infection and clearance of bacteria from the body. p. 77.
 Aver'lanov, V. A., Tsybuliak, G. N. - Experimental treatment of hypoxia in tetanus p. 78.
 Kostitsin, G. I. - Present-day state and aspects of a programmed method of teaching normal and pathological physiology. p. 80.
 Chernykh, A. M. - Microcirculation problem based on materials of the 4th European Conference of Microcirculation. p. 83.
 Kozlov, V. B. - Tenth anniversary of the periodical "Patologicheskaya fiziologiya i eksperimental'naya terapiya." p. 88.
***PROBLEMY GEMATOLOGII I PERELIVANIYA KROVI [PROBLEMS OF HEMATOLOGY AND BLOOD TRANSFUSION]** Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U. S. S. R.], Moscow, vol. II, no. 5, May 1966.
 Table of contents translated.
 Papko, G. F. - State and measures for further development of hematological service in U. S. S. R. p. 3.
 Zakrzhevskii, E. B., Vasil'eva, L. G. - Fluorescence microscopy in hematological studies. p. 8.
 Platin, E. K. - Cytogenetic study of acute leukemia. p. 14.
 Shubayeva, N. I., Dygin, V. P. - Immunohematological changes in the marrow in acute leukemia and lymphogranulomatosis. p. 20.
 Rakitsanskaya, A. A. - Determination of the density of the electric charge of blood cells in leukemia. p. 24.
 Chernikova, T. A., Aksenov, O. V., Ivanova, V. D. - Use of vitamins in the treatment of chronic leukemia at its early stage. Report No. 2. p. 29.
 Bergol'ts, V. M., Demel'eva, V. V., Chechik, B. E. - Study of the leukemogenic activity of monostratal tissue cultures infected with material from human leukemic tissue. p. 32.
 Duplan, Zh. F. - Radiation leukemia. p. 38.
 Shukhova, L. G. - Plasmapheresis and reinfusion of erythrocytes in the resuscitation period following prolonged clinical death. p. 47.
 Peleška, Bogumil - Significance of hypothermia in resuscitation by means of blood-substituting solutions. p. 51.
 Kuchakovskii, M. S. - Pathological hemoglobin derivatives in fibrinolysin blood. p. 54.
 Bashali, A. G., Kissel'dor, A. M. - Two cases of detecting anti-Kell antibodies. p. 58.
 Uspenskaya, O. V. - Methodology of detecting incomplete iso- and autoimmune antibodies. p. 60. (DNLM)
TERAPEVTICHESKII ARKIV [THERAPEUTIC ARCHIVES] Published by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U. S. S. R.], Moscow, vol. 20, no. 12, Dec. 1957; vol. 38, no. 4, Apr. 1964; vol. 37, no. 5, May 1965; vol. 38, nos. 5, 8-9, May, Aug.-Sep. 1966; vol. 39, nos. 1, 5-8, Jan., May-June 1967. (DNLM)
VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHENIYA FIZICHESKOI KULTURY [PROBLEMS OF HEALTH RESORT THERAPY, PHYSICAL THERAPY, AND EXERCISE THERAPY] Moscow, vol. 32, no. 2, Mar.-Apr. 1967.
 Table of contents translated:
 Boksha, V. G. - Principles of dosage in climatotherapy procedures. p. 97.
 Berzovskaya, B. M. - Climatotherapy in atherosclerotic aortocardioclerosis. p. 103.
 Alekselchuk, A. M. - State of the vascular tonus in elderly persons and patients with atherosclerosis during health resort and climatic treatment; based on oscillographic data and the rate of pulse wave spread. p. 109.
 Akhmedzhanov, M. I., Pozdnyakov, A. I., G. G. - Health resort and climatic treatment of coronary atherosclerosis with manifestations of myocardial infarction in different seasons of the year. p. 112.
 Tsarikov, N. B., Novozhilova, L. I. - Effect of physiotherapy in low temperatures on the treatment of children with pneumonia. p. 115.
 Latshev, G. D. - Some characteristics of bacterial infection in children during bathing in the sea. p. 117.
 Chubinskii, S. M. - Use of dynamic electrocardiography and biology. p. 124.
 Sharygin, A. D. - Heliotherapeutic treatment of local weather in the Urals. p. 129.
 Kochanov, D., Kadlov, S., Ivanova, I. - Significance of physical culture and hardening for the health of persons. p. 133.
 Kollari, I. V. - New methodology of compound electrotherapy (inductothermy and low frequency electrotherapy). p. 136.
 Alay, Z. M. - Isometric tensions as a means of preventing muscular atrophy in the treatment of traumatic fractures. p. 140.
 Loshchinskiy, A. F., Pavlov, I. S. - Study of the mechanism of the effect of therapeutic immunoglobulins in experimental allergic asthma. p. 146.
 Kravchenko, G. M., Vlasovskaya, I. I. - Effectiveness of health resort treatment in Yuzhnyy Ural in early stages following epidemic hepatitis (A and B diseases). p. 151.
 Poltoranov, V. V. - Results of studying the effectiveness of sanatorium and health resort treatment. p. 156.
 Oborin, N. A. - First-printed monument of Russian medical literature. p. 160.
 Potolov, B. M. - V. I. Lenin and formation of health resort and sanatorium service in the U. S. S. R. p. 164.
 Kuronkov, A. F. - Effectiveness of treating patients with hypertensive states at "Isyay Kul'" sanatorium. p. 168.
 Ramon'skii, L. A. - Hot and humid days in the treatment of patients with diseases of the liver. p. 171.
 Gubogin, E. A. - Effectiveness of treating patients with diseases of the biliary tract and liver with mineral baths. p. 172.
 Sychev, V. V., Shvetnova, T. G. - Principles of the formation of methodology of climatotherapy. p. 176.
 Mironenko, A. I. - Characteristics of the physical culture in connection with the organization of the sanatorium service. p. 178.
 Eromenko, G. S. - All-Union Conference of Physicians of Mass Recreation for the Soviet Union. p. 181.
 Mironov, I. K. - Int. Scientific and Practical Conference on Therapeutic Use of Physical Resources in Water. p. 185.
 Vokhala, L. - 7th Estonian Republican Conference of Health Resort Therapy and Physiotherapy. p. 187. In memory of S. V. Ivanov. p. 190. (DNLM)
A. PHARMACY & MATERIA MEDICA
***ANTIBIOTIKI [ANTIBIOTICS]** Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U. S. S. R.], Moscow, vol. 12, no. 5, May 1967.
 Table of contents translated:
 Shorin, V. A., and others. - Experimental study of the antineoplastic activity of the antibiotic tetracycline. p. 355.
 Gol'dberg, L. E., Baumstok, V. E. - Pharmacological study of the antibiotic tetracycline. p. 360.
 Ivanitskaya, L. P., Uptor, G. D. - Use of different methods in primary selection of antineoplastic antibiotics. p. 369.
 Efimtsov, E. P., and others. - Effect of polyacetylene-containing complex of Malassezia species on experimental tumors in animals. p. 373.
 Sveshnikova, M. A., Prokhorovskaya, T. P., Il'in, N. O. - Nature of some pigment antibiotics of Actinomyces with orange-red and violet substrate. p. 380.
 Iakobson, L. M., Astanina, L. N. - Metabolites of benzyl penicillin detected by means of paper chromatography. p. 392.
 Lur'o, L. M., Levitov, M. M. - Significance of penicillin in the process of penicillin biosynthesis. p. 393.
 Kondratenko, I. K. - Conditions of the formation of antibiotic solazin. p. 400.
 Petrova, M. A., and others. - Microbiological and chemotherapeutic study of the antibiotic metacillin. p. 404.
 Kaganova, K. A. - Isolation and composition of lysocyme substrate from bacterial cells. p. 407.
 Chesnik, I., Busiko, N., Makarovskaya-Ploshchinskaya, Z. - Decomposition of cyclosporin during chemical processing of the culture liquid. p. 410.
 Filippovskaya, S. T. - Clearance of the rabbit body from polymyxin M. p. 414.
 Naglo, A. M., and others. - Hygroscopicity, thermal stability and solubility of oleanomycin salts. p. 417.
 Vitvitskii, V. M. - Effect of antibiotics on the growth of some trace elements in the culture cells of Proteus bacteria. p. 426.

- Vaksman, Z.A. - Denomination of antibiotics. p.430.
- Malchuk, I.U.F. - Antibiotics in polyvinyl alcohol films for the treatment of infectious diseases of the eyes. p.432
- Sobolev, V.R., and others. - Use of tetracycline in combination with glucosamine in inflammatory processes of the biliary tract. p.436.
- Nikonets, I.F., Taliantsev, P.I. - Effect of antibiotic aerosols on some indices of natural immunity in workers occupied in their production. p.438.
- Nikolai Aleksandrovich Krast'nikov, on his 70th birthday. p.446.
- FARMATSEVTYCHNYI ZHURNAL [PHARMACEUTICAL JOURNAL].** Issued by Ministerstvo okhorony zdorov'ia URSS [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 2, 1967.
- Table of contents translated:
- Decree of the council of Ministers of the Ukrainian S.S.R. of December 30, No. 926, in Kiev "Measures for further improvement of trade with drugs, medical apparatus, articles for care for patients and other medical products". p.3.
- IAkubych, V.I. - S-carbamoylthioglycolic derivatives of some aromatic amines. p.5.
- Bushkova, M.M., and others. - Publishing of the 10th edition of the State Pharmacopoeias of the U.S.S.R. p.9.
- Huslakov, V.P., Minka, A.F. - Effect of aliphatic amides on the solubility of benzoic acid. p.13.
- Akopian, O.A. - Study of conditions under which alkaloids are extracted as bases or salts. p.16.
- Pozdniakova, V.T., Znaevskaya, A.V. - Microcrystalloscopic reactions of hydrocodon and their use in the study of medicinal mixtures. p.21.
- Moskatenko, R.I., Savell'eva, G.I. - Analysis of orthonal. p.24.
- Popova, V.I. - Quantitative determination and optimal conditions for the extraction of barbital. p.28.
- Bazaryin, V.L. - Quantitative determination of elaine. p.31.
- Kurov, V.I., Tsuban, T.S. - Alkyl carbonates. Report No.1. p.34.
- Chalkova'ka, M.A. - Effect of different preservatives on micro-organisms in eye drops. p.37.
- Saikova'ka, I.U.R., Hntdels, I.R., Pruts, V.M. - Manufacture of eye drops containing vitamins. p.42.
- Borzunov, I.E., Shevchenko, S.M. - Role of starch in the disintegration of tablets. p.45.
- Intedkov, P.A. - Amino acid composition of some plants of the Crasulaceae family. p.48.
- Dandukova, V.A., Shynkarenko, G.L. - Obtaining of polyphenol compounds from the scales of Allium cepa. p.54.
- Bech, T.D. - Study of some types of Lithospermum for the presence of flavonoids. p.58.
- Boriso, M.I. - Study of the anatomical structure of Gallium tauricum. p.62.
- Lytvynenko, M.M. - Planned and proportional development of pharmaceuticals as a basis of securing medicinal service for the population and profitability of enterprises. p.66.
- Slenov, P.L. - Ways of the development of some aspects of pharmaceutical chemistry in the Soviet Union. p.70.
- Chausova'kyi, S.S. - Control of drug quality in the drugstores of the Lithuanian S.S.R. p.77.
- Blazhen, A.H. - Activity of the organization and inspection department of Lugansk Pharmacy Administration. p.80.
- Iavtushenko, I.U.I. - Organization of socialist competition among drugstore collectives. p.83.
- Kosenko, M.C. - Work of the drugstore information office. p.83.
- Me'nychenko, B.P. - Six-most direct type apparatus for the filtration of solutions. p.86.
- Kravchenko, I.M., Pohrebnyk, O.K. - New drugs. p.89.
- In memory of Hanna Stepanivna Mamli'ko. p.96.
- FARMATSIJA [PHARMACY].** Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 18, no. 2, Mar.-Apr. 1967.
- Table of contents translated:
- Kiltuev, M.A. - Basic trends in the increase and improvement of the control on medicinal substances. p.3.
- Lavrent'eva, V.Z. - Organization of the supply of the rural population with medicinal substances in the prewar period (1917-1940). p.9.
- Panchenko, E.I., Anan'eva, A.V., Kochetova, M.I. - Mechanization of labor-consuming processes in inter-hospital and hospital drugstores. p.14.
- Chaplinskaya, M.O., Dolzhanskaya, R.N. - Study of the stability of apophen for injections. p.20.
- Komissarchuk, A.A. - Study of the effect of some hydroperoxides on the acceleration of mercury emulsification in anhydrous lanoline. p.24.
- Kaz'mina, L.P. - Diagnostic characteristics of Bidens tripartita L. raw material. p.27.
- Nurallova, Zh.S. - Pharmacognostic study of Thalictrum foetidum L. p.33.
- Nikonova, T.I. - Pharmacognosy of Astragalus membranaceus Fish (BGE). p.39.
- Veigelchik, E.N., Bernshtein, V.N., Zvenigorodskii, B.A. - Photometric determination of larysan in tablets. p.41.
- Solodova, A.F. - Photocolorimetric determination of levonycetin in preparation used for blood preservation. p.45.
- Belikov, V.G., Kul', I.I.A. - Identification of aminoalkyl ester derivatives of arylaliphatic acids by means of azo dyes. p.48.
- Kazulinov, N.A., Dzuba, N.P. - Determination of camphor by titration in nonaqueous solvents. p.52.
- Pilgin, S.G. - Use of phenylstibonous acid and its nitro substituents in microcrystalloscopic analysis of alkaloids and their synthetic substitutes. p.55.
- Pozdniakova, V.T., Teliat'eva, S.I. - Microcrystalloscopic study of papaverine in medicinal mixtures. p.58.
- Makcenko, S.G. - Experience in the supply of drugs for the rural population of Pskov Province. p.61.
- Dolgikh, V.K., Krizov, V.I. - Work of the packing sections in province galenic pharmaceutical plants. p.63.
- Chilip, I.L. - New measuring device. p.67.
- Iskangulov, M.Kh. - Mechanization of the pulverization and mixing process of solid medicinal substances. p.68.
- Golovkin, V.A. - Compatibility and determination of dimedone in medicinal prescriptions. p.71.
- Kramov, L.T., Kramova, M.V. - Analysis of feramide in ampule solutions. p.74.
- Bahlev, F.V., Senov, P.L. - Some natural acyl coumarins. p.76.
- FI'kh, A.M. - Essential literature on pharmacy published in 1966. p.83.
- IAkubov, M. - Conference of activists of drugstore workers in Tajikistan. p.92.
- In memory of Sergei Ivanovich Lialkov. p.93.
- FI'kh, A.M. - Compatibility of ingredients in emulsion ointments. p.94.
- VOPROSY MEDITSINSKOI KHIMII [PROBLEMS OF MEDICAL CHEMISTRY].** Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 13, no. 3, May-June 1967.
- Table of contents translated:
- Oganesian, S.S. - Interaction of acetylcholine with the contractile substrate of the muscles. p.227.
- Pikulev, A.T., and others. - Activity of alanine and aspartate aminotransferases in the culture of chick fibroblasts during the growing process and following infection with vesicular virus. p.239.
- Telepneva, V.I. - Enzymatic transformations of NAD in cellular fractions of skeletal muscles under normal conditions and following denervation. p.242.
- Kruglov, E.N. - Changes in the content of serum proteins in normal pregnancy, labor, puerperal, and lactation periods. p.247.
- Belousov, A.P., Shurina, N.A. - Comparative characteristics of soluble proteins of pulmonary tumors. p.251.
- Lazaris, I.A.A., Veksler, R.I. - Role of chelating agents in disorders of the secretory function of the pancreas. p.256.
- Petrenko, M.G., Bozvorshenko, A.I. - Changes in the degree of the Crabtree effect in ascitic lymphoma NK/ly under the effect of hydrocortisone. p.261.
- Sorkina, D.A. - Conformational changes in blood serum proteins during their performance of the transport function. p.263.
- Veretinskaya, A.G. - Biochemical and histochemical changes in the content of nucleic acids at different developmental periods of experimental silicosis. p.271.
- Belov, G.F. - Significance of determining the cholesterol esterification coefficient for the evaluation of the severity of Botkin's disease. p.276.
- FI'in, V.S., Polikarpova, L.I. - Effect of hydrocortisone and insulin on the synthesis of alanine- α -ketoglutarate and aspartate- α -ketoglutarate transaminases in the liver in rats. p.278.
- Urbantuk, K.G. - Fibrinolysis and fibrinogenolysis in hypertension. p.283.
- Ermolaev, K.M., and others. - Inhibition of monoamine oxidase activity by 2-n-acetylaminoethylhexene-2-one and related compounds. p.286.
- Savitskii, I.V., Zelnik, V.G. - Effect of some radiomimetics on methylation of nicotinamide in liver slices of white rats. p.291.
- Promyslov, M.Sh., Tigranian, R.A., Evstina, N.IU. - Some aspects of carbohydrate metabolism of the brain in closed craniocerebral trauma. p.295.
- Budovskii, E.I., Klebanova, L.M. - Alkaline hydrolysis of ribonucleic acids. p.299.
- Mardashev, S.R., Plesner, A.B. - Effect of some barbiturates on biosynthesis of pyrimidines in vitro. p.303.
- Birk, R.V. - Study of energetics of tumors and normal tissues with different sensitivity to alkylating agents. p.307.
- Gordeev, I.U.N., Kobozov, G.V. - Apparatus for vertical electrophoresis in starch and agar gel. p.314.
- Dancheva, K.I. - Quantitative determination of nucleic acids in isolated cell nuclei of the thymus gland. p.320.
- Derkachev, E.F., Mnsukin, M.G., Manolov, S.E. - Modification of the SF-10 spectrophotometer for the recording of cytochrome absorption spectra in the mitochondria. p.322.
- Shaposhnikov, A.M. - Accelerated method for the diagnosis of phenylpyruvic oligophrenia. p.325.
- Khokhlov, A.P., Debov, S.S., Mardashev, S.R. - Excretion of phenylacetylglutamine and phenylpyruvic acid in diseases of the liver. p.328.
- Moskvilina, T.A. - Differences between ribonuclease F and ribonuclease A.
- PUBLIC HEALTH & NURSING**
- *GIGIENA I SANTARIA [HYGIENE AND SANITATION].** Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 27, no. 12, Dec. 1962.
- Table of contents translated:
- Alekseeva, M.V., Ozorski, A.S., Khristavleva, V.A. - Decreasing the concentration of toxic exhaust gases from automobile engines. p.3.
- Akatuk, A.F., Bulychev, G.V. - Effect of small quantities of fluorine on the body. p.7.
- Gabovitch, R.D. - Problem of the effect of fluorine content in drinking water on the functional state of the central nervous system. p.10.
- Mazaev, V.T. - Problem of the maximum content of cyanuric acid and its monosodium salt in water reservoirs. p.13.
- Bobin, E.V. - Standards for the noise level in rail-road transportation. p.19.
- Koleanichenko, I.V. - Some hygienic problems in the educational stress of students in technical schools. p.25.
- Zalissev, A.N., Karavanskaya, N.A. - Some characteristics of the organization of nutrition and design of dining areas in rural schools. p.30.
- Karpiluk, I.A. - Possibility of the utilization of dodecylgallate as an antioxidant of alimentary fats. p.34.
- Desi, J., Sos, J. - Effect of 2,4-dichlorophenoxyacetic acid and trichloroethyl phosphato on the activity of the higher segments of the central nervous system, bioelectrical activity and conditioned reflex reactions. p.38.
- Selina, L.A. - Determination of secondary propyl (isopropyl) alcohol in the air. p.47.
- Kisarov, V.M. - Determination of chlorobenzene in air and water. p.49.
- Diallovitskaya, F.G., Beresovskii, F.I. - Polarographic and colorimetric determination of furfural in industrial waste waters. p.50.
- Pulerman, L.N. - Some sanitary and hygienic problems in urban construction. p.56.
- Miller, S.V., Zenzinov, B.F. - Organization of work in sanitary expert testimony on designs for industrial construction. p.58.
- Sa'lan, B.E. - Experience from the work of a health station on the organization of therapeutic and prophylactic measures in chronic poisoning with industrial carbon disulfide. p.63.
- Kerimova, N.I. - Hygienic conditions of work in production of GAP (Glyphosphic acid activated polyurethane). p.66.
- Kiriukhin, R.A. - Sources of bacterial contamination of kumiss and measures for its prevention. p.69.
- Turuk-Pchelina, Z.F. - Some hygienic problems in planning public nutrition in public recreation institutions. p.73.
- Grushko, I.M. - Maximum permissible concentration of hexavalent chromium in water reservoirs; concerning E.V. Faldys's article "New data on determination of the maximum permissible concentrations of hexavalent chromium in water reservoirs." p.77.
- Faldys, E.V. - Once more on determination of the maximum permissible concentration of hexavalent chromium in water reservoirs; reply to I.A. M. Grushko. p.82.
- Goncharova, K.F. - Role of water in the dissemination of leptospirosis. p.87.
- Kaluzhnyi, D.N., Chukal', V.N. - Some sanitary indices of water reservoirs covered with a mono-

CONTENTS

1. *On the question of the role of the liver in the metabolism of drugs* p. 1
2. *On the question of the role of the liver in the metabolism of drugs* p. 2
3. *On the question of the role of the liver in the metabolism of drugs* p. 3
4. *On the question of the role of the liver in the metabolism of drugs* p. 4
5. *On the question of the role of the liver in the metabolism of drugs* p. 5
6. *On the question of the role of the liver in the metabolism of drugs* p. 6
7. *On the question of the role of the liver in the metabolism of drugs* p. 7
8. *On the question of the role of the liver in the metabolism of drugs* p. 8
9. *On the question of the role of the liver in the metabolism of drugs* p. 9
10. *On the question of the role of the liver in the metabolism of drugs* p. 10

11. *On the question of the role of the liver in the metabolism of drugs* p. 11
12. *On the question of the role of the liver in the metabolism of drugs* p. 12
13. *On the question of the role of the liver in the metabolism of drugs* p. 13
14. *On the question of the role of the liver in the metabolism of drugs* p. 14
15. *On the question of the role of the liver in the metabolism of drugs* p. 15
16. *On the question of the role of the liver in the metabolism of drugs* p. 16
17. *On the question of the role of the liver in the metabolism of drugs* p. 17
18. *On the question of the role of the liver in the metabolism of drugs* p. 18
19. *On the question of the role of the liver in the metabolism of drugs* p. 19
20. *On the question of the role of the liver in the metabolism of drugs* p. 20

21. *On the question of the role of the liver in the metabolism of drugs* p. 21
22. *On the question of the role of the liver in the metabolism of drugs* p. 22
23. *On the question of the role of the liver in the metabolism of drugs* p. 23
24. *On the question of the role of the liver in the metabolism of drugs* p. 24
25. *On the question of the role of the liver in the metabolism of drugs* p. 25
26. *On the question of the role of the liver in the metabolism of drugs* p. 26
27. *On the question of the role of the liver in the metabolism of drugs* p. 27
28. *On the question of the role of the liver in the metabolism of drugs* p. 28
29. *On the question of the role of the liver in the metabolism of drugs* p. 29
30. *On the question of the role of the liver in the metabolism of drugs* p. 30

31. *On the question of the role of the liver in the metabolism of drugs* p. 31
32. *On the question of the role of the liver in the metabolism of drugs* p. 32
33. *On the question of the role of the liver in the metabolism of drugs* p. 33
34. *On the question of the role of the liver in the metabolism of drugs* p. 34
35. *On the question of the role of the liver in the metabolism of drugs* p. 35
36. *On the question of the role of the liver in the metabolism of drugs* p. 36
37. *On the question of the role of the liver in the metabolism of drugs* p. 37
38. *On the question of the role of the liver in the metabolism of drugs* p. 38
39. *On the question of the role of the liver in the metabolism of drugs* p. 39
40. *On the question of the role of the liver in the metabolism of drugs* p. 40

41. *On the question of the role of the liver in the metabolism of drugs* p. 41
42. *On the question of the role of the liver in the metabolism of drugs* p. 42
43. *On the question of the role of the liver in the metabolism of drugs* p. 43
44. *On the question of the role of the liver in the metabolism of drugs* p. 44
45. *On the question of the role of the liver in the metabolism of drugs* p. 45
46. *On the question of the role of the liver in the metabolism of drugs* p. 46
47. *On the question of the role of the liver in the metabolism of drugs* p. 47
48. *On the question of the role of the liver in the metabolism of drugs* p. 48
49. *On the question of the role of the liver in the metabolism of drugs* p. 49
50. *On the question of the role of the liver in the metabolism of drugs* p. 50

51. *On the question of the role of the liver in the metabolism of drugs* p. 51
52. *On the question of the role of the liver in the metabolism of drugs* p. 52
53. *On the question of the role of the liver in the metabolism of drugs* p. 53
54. *On the question of the role of the liver in the metabolism of drugs* p. 54
55. *On the question of the role of the liver in the metabolism of drugs* p. 55
56. *On the question of the role of the liver in the metabolism of drugs* p. 56
57. *On the question of the role of the liver in the metabolism of drugs* p. 57
58. *On the question of the role of the liver in the metabolism of drugs* p. 58
59. *On the question of the role of the liver in the metabolism of drugs* p. 59
60. *On the question of the role of the liver in the metabolism of drugs* p. 60

61. *On the question of the role of the liver in the metabolism of drugs* p. 61
62. *On the question of the role of the liver in the metabolism of drugs* p. 62
63. *On the question of the role of the liver in the metabolism of drugs* p. 63
64. *On the question of the role of the liver in the metabolism of drugs* p. 64
65. *On the question of the role of the liver in the metabolism of drugs* p. 65
66. *On the question of the role of the liver in the metabolism of drugs* p. 66
67. *On the question of the role of the liver in the metabolism of drugs* p. 67
68. *On the question of the role of the liver in the metabolism of drugs* p. 68
69. *On the question of the role of the liver in the metabolism of drugs* p. 69
70. *On the question of the role of the liver in the metabolism of drugs* p. 70

Serapinas, I. L. - Portal vein under normal conditions, in cirrhosis of the liver and cancer p.30
Gelbel, I. I. - Significance of roentgenomanometry in the diagnosis of anomalies of extrahepatic bile ducts p.38
Krayovskii, A. I. - Topography of portal hepatic ducts and the possibility of their use in mechanical jaundice p.41
Shubin, B. M., Futorian, E. S. - Prevention of complications following palliative surgery in mechanical jaundice p.48
Gausman, D. I. A. - External draining of the biliary tract following papillotomy p.52
Pichuk, V. V., Dederer, I. U. M., Krylova, N. P. - Rupture of hydatid and alveolar echinococcus into the biliary tract p.54
Trunin, M. A., Odintsova, E. A. - Splenoportography in the diagnosis of chronic pancreatitis p.58
Nesov, G. F. - Differential-diagnostic significance of peridural block in acute cholecystitis and cholecytopancreatitis p.65
Plekhn, V. I., Sevast'yanova, A. D. - Evaluation of the reliability of splenoportographic symptoms in tumors of the epigastric region p.70
Kotel'nikov, V. A., Kurchavov, G. K. - Significance of preserving surgery on the stomach p.75
Kuznetsov, R. V. - Immediate and late results of transduodenal sphincterotomy p.79
Barian, M. B. - Clinical aspects and diagnosis of coccidiosis p.83
Perov, I. U. A., Uglova, M. V. - State of neural elements in paracoccygeal tissue in coccidiosis p.88
Asterhanov, R. P., Magomedov, G. G. - Clinical and experimental substantiation of phlebography in thrombophlebitis and postphlebotic syndrome of the lower extremities p.93
Vasiliev, M. D. - Surgical treatment of insufficiency of deep veins of the lower extremities p.99
Tsakadze, L. O., Solov'ev, V. A. - Tumors of arteriovenous anastomoses (glomera) as the cause of prolonged suffering in patients p.100
Zuev, E. F. - Utilization of blood in surgery with artificial blood circulation p.104
Dulskii, S. I. A., Shul'man, S. A. - Hypnosis in the compound treatment of some surgical diseases in children p.108
Kobeleksii, V. I. - Umbilical hernia with resection of the ileocecal angle in newborn infants p.112
Pavliuk, A. D. - Gangrenous cholecystitis in nursing infants p.114
Klassen, G. I. A. - Floating spleen in combination with nonparasitic cyst p.114
Pavlov, S. S. - Perineal testicular ectopia in a boy p.115
Kashin, I. M., Pod'leto, V. F. - Combination of traumatic right-sided diaphragmatic hernia with pregnancy p.117
Korshunov, A. V. - Acute gastric hemorrhage from a decomposing neuroma of the stomach p.118
Kagan, G. Sh. - Closed isolated traumatic rupture of the retroperitoneal portion of the duodenum p.119
Atelevich, I. G. - Isolated subcutaneous rupture of the gallbladder p.120
Petrov, V. I., Katalin, V. A. - Cavernous hemangioma of the liver p.121
Giltisli, L. N., Borovyi, E. M., Bas, V. M. - Hazards of injuring accessory bile ducts during cholecystectomy p.122
Kupchik, B. M., Benimelskii, I. U. S. - "Isolated" tuberculosis of the pancreas p.124
Abashidze, A. V., Tikanadze, T. L. - Communicating dermoid cyst of the sacrococcygeal region and retroperitoneal space p.126
Vintergal'ter, S. F., Mel'nikov, R. A., Rukavishnikov, V. G. - Clinical and X-ray characteristics of a persistent malignant synovioloma p.128
Solov'eva, T. G., Novikov, E. M. - Error in the determination of the blood group in oxanguinated patient and massive transfusion of blood of a different group without injurious results p.129
Golovin, G. V., Mozhavov, V. I. - Present-day state of tissue adhesion, a review of Soviet and foreign literature p.132
Balakina, V. S. - Centennial of R. R. Vreden's birth p.141
(DNLM)

VOPROSY VNEKONNOY

SURGEY

SSSR (M)

vol. 31, 1

1967

Table of contents translated:

Romodanov, A. P., Brodskaya, I. A. - Experience in the organization of neurosurgical service in the Ukrainian S.S.R. and the ways of its further development p.1

Lerman, V. I. - Disorders of cerebral blood circulation in stenosis of the internal carotid artery in the cervical region p.5

Buril'skii, A. P., Brodskaya, I. A. - Morphological characteristics of arteriovenous aneurysms of cerebral vessels p.9

Korntonko, V. N., Dovgiallo, E. M. - Pathogenesis of complications in cerebral angiography in some types of neuroectodermal tumors p.14

Lazaris, I. A., Serebrovskaya, I. A., Tol', I. Z. - Pulmonary edema in cats under the effect of anoxia on the preoptic portion of the hypothalamus p.47
Povolotskii, Sh. I. - Experimental therapy of traumatic edema of the brain p.21
Chobotava, N. M., Vovk, V. P. - Changes in cerebrospinal fluid and venous pressure in preclinical cranioencephalic experimental trauma p.28
Nikol'skii, V. A., Balashuk, M. N. - Neofenolol of vessels in multiform glioblastoma p.30
Rostotskaya, V. I., Orlov, V. K., Kluchkov, A. V. - Use of selfhardening plastic AKIT-100 and cyanoacrylate glue in plastic surgery of bone defects in experimental cranioencephalic lesions p.33
Ugrumov, V. M., Zhagrin, A. G., Nikitenko, I. I. - Total removal of neuromas of the 8th nerve p.38
Lobkova, E. F., Kutsomilova, A. P. - Indications in favor of bilateral ventriculostomy p.39
Samolov, V. I. - Dynamics of neurological symptoms in patients with cerebral tumors in compound intracranial surgery plus betatron irradiation p.42
Lobova, L. P., and others. - Some problems of psychopharmacology and neuromurgery p.47
Sklianskii, A. E. - Significance of the "stretching and back impulse" in lumbar osteochondrosis p.51
Gol'tand, V. B. - Cerebral abscess in congenital defects of the heart; a review of the literature p.53
Gosolevich, A. M. - N. N. Shchukin's political statement p.55
Vashin, N. I. A. - 10th All-Union Scientific Conference of Neurosurgeons p.50
(DNLM)

15. AGRICULTURE

a. GENERAL

GIDROTEKHNIKA I MELIORATSIIA (HYDRAULIC ENGINEERING AND RECLAMATION). Issued by Ministry of Agriculture of the USSR and Ministry of Water Resources of the USSR. (Ministry of Agriculture of the USSR and the Ministry of Water Resources Management of the USSR) Moscow, vol. 10, no. 4, Apr. 1967.
Table of contents translated:
Aleksankin, A. V., Murashko, A. I. - Some problems of melioration in White Russia p.1
Zaporozhchenko, E. V., Kaganovich, L. Sh. - Some problems of the forecasting of rainfall deficits in the data of field observations p.6
Bogomolov, S. P. - D-081 self-propelled expansion joints p.15
Klenchuk, A. F. - Some types of energy distribution for the structures of irrigation systems p.21
Shinkov, V. K., Svedova, N. N. - Perceval rotors as sluices as regulators for canals with considerable gradient p.25
Bikmaninov, Kh. D. - Spinkler irrigation in the ghazals p.33
Okulova, Z. N., Brul'vin, V. G. - Use of impulse sprinklers p.42
Gorshunov, E. V. - Labor productivity, establishment of work norms, and wages for an irrigator p.43
Prilepin, I. T. - Decreasing the use of materials for the grids of the DDA-100M unit p.53
Ivushkin, A. S. - Constructing filtration wells p.57
Karamblov, N. A., Krasova, V. N. - Increasing the fecundity of horizontal sowing banana p.64
Sergeev, M., Timoshenko, I. - Reclamation of land in Western Siberia p.73
Rushakov, I. F. - Liming acid soils in Estonia p.76
Agababov, E. A., Zalkashvili, O. G. - Improved irrigating tube for hydraulic studies p.81
Ginta, A. S., Inozemtsov, A. S. - Restricted water release under gates p.80
Orabovskii, A. M., and others. - Use of integrating tubes for measuring discharge of liquids p.83
Alba, Adolfo Orive - Irrigation work in Mexico p.85
Rad'ko, A. F. - Problems of the construction of a surface drainage p.107
Barkan, I. L., Minkov, B. I. A. - Seminar on the use of nuclear radiation and radiolabels p.113
Borezin, A. I. - The 4th scientific and technical conference of young specialists p.110
Belikov, M. P., Kuznetsov, V. I. - Coordinating conference on scientific research work p.117
Morgunov, S. P. - Seminar on the utilization of water supply systems in the R. S. F. S. R. p.119
Results of socialist competition p.121

Vol. 10, no. 5, May 1967.

Table of contents translated:
Aftenuk, G. T. - From waterwheels to programmed irrigation p.1
Tkachuk, V. G., Molodtsov, I. I., Zakrevskii, D. V. - Prospects for irrigation in Podolia using ground waters p.10
Dunin-Burkovskii, L. V., Vartanov, I. I., Oleinik, A. K. - Introducing electronic computers in hydromellorative designing p.24

- Khalbaeva, R. A. - Use of electronic computers in planning water utilization. p. 33.
- TSarevskii, A. M., Pugavko, B. I., Fomenko, V. N. - Use of small-size dredges in irrigation. p. 40.
- Rus'kin, L. I., Zhil'kov, L. G. - Distribution of the density of one-sided hydraulic fill. p. 45.
- Ivanov, E. S. - Submerging piles in loess soils without wulffing. p. 40.
- Aksenov, P. I. - Reservoirs excavated on slopes to collect local run-off. p. 55.
- Lakhienfel'd, I. P. - Soilification as the cause of the destruction of canal slopes. p. 63.
- Verlev, Ivan - Use of movable siphons in irrigation. p. 67.
- Varban, A. K. - New type of irrigation siphons. p. 72.
- Erkhov, N. S. - Permissible intensity of artificial rain. p. 74.
- Petrushko, A. I. - Hydraulic calculations for flexible caprone pipelines. p. 77.
- Volobuev, V. R. - Development of desalinization of soils in depth. p. 82.
- Karimov, T. - Effectiveness of soil leaching combined with other meliorative measures. p. 90.
- Iangoi, A. M. - Drainage rates in bilateral control of the moisture conditions of peat soils in the Ukraine. p. 94.
- Tolchikov, S. M. - Duration of tile drainage in aggressive media. p. 101.
- Piss, D. S. - From the work of a mechanized melioration team. p. 105.
- Alekseev, V. S., Teblla, A. G. - Estimating hydraulic resistance of gauzed filters. p. 107.
- Velichko, E., Slesoko, M. - Water resources of the Niger River and their utilization in the Republic of Mali. p. 113.
- Boitova, N. P. - Plenum of the Department of Hydrotechnics and Melioration of the All-Union Academy of Agricultural Sciences. p. 116.
- Mamed-zade, N. A. - Seminar on the network planning and controlling of water supply engineering. p. 119.
- Fad'ko, A. F. - Use of nuclear radiation and radioisotopes. p. 120.
- Honorary title for meliorators of the Ukraine. p. 125.
- KAZAKH S S R Upravlenie propagandy i nauchno-tekhnicheskoi informatsii. Nauchno-tekhnicheskii informatsii po sel'skomu khoziaistvu [Administration of Propaganda and Scientific and Technical Information. Scientific and Technical Information on Agriculture].** Alma-Ata, nos. 4-5, 1965. (DNAI)
- KAZAKHISTAN AUYL SHARUASHYLYGY [AGRICULTURE OF KAZAKHISTAN].** Alma-Ata, nos. 2-4, 6-12, Feb. - Apr., June-Dec. 1962, nos. 1-12, Jan. - Dec. 1963, nos. 1-7, 9-12, Jan. - July, Sep. - Dec. 1964; no. 6, June 1967. [In Kazakh]
- KHARKOV. SIL'SKOKHOSPODAR'S'KYI INSTYTUT. Trudy [AGRICULTURAL INSTITUTE. Transactions].** Vol. 64, 1966. Problems of accounting and analysis in agricultural enterprises.
- Table of contents translated:
- Galkin, A. F. - Ways of increasing the efficiency of capital assets on collective farms. p. 3.
- Antipenski, V. E., Bardinov, V. N. - Machine accounting for production costs. p. 15.
- Khrislich, A. G., Ushakova, D. V. - Method of computing the gross and net incomes on collective farms. p. 22.
- Belobekha, I. A., Kucherenko, V. K. - Ways of improving the economy of state farms. p. 31.
- Bilous'ko, V. S., Neslerenko, I. S. - Accounting and distribution of insurance payments on collective farms. p. 38.
- Arbuzova, M. M. - Establishing norms for working capital on collective farms. p. 48.
- Nesemashnyi, V. P. - Structure and the amount of the capital assets of state farms; based on the materials of the state farms of the Donetsk Vegetable and Dairy Trust. p. 53.
- Galkin, A. F. - Proportion in the formation of capital assets and working capital on collective farms. p. 60.
- Khrislich, A. G. - Study of the consumption and real income of the population. p. 67.
- Marav'eva, N. A. - Organization of accounting and control over carrying out assignments by collective farms in changing over machine-tractor stations to business accounting. p. 74.
- Ogichuk, N. F. - Economic and statistical analysis of factors influencing the level of milk cost. p. 83.
- Petrov, B. V. - Indices of the analysis of the intensification of agricultural production. p. 90.
- Antipenski, V. E. - Ways of increasing the profitability of growing vegetables on state farms. p. 96.
- El'mikov, V. I. A. - Economic efficiency of capital investments on collective farms. p. 100.
- Gorkavyl, V. K. - Analysis of factors in the growth of labor productivity on collective farms. p. 107.
- Chernyshenko, A. A., Globa, L. I. - Productivity of labor and the cost of work in a tractor depot. p. 113.
- Brukhovetskaya, S. S. - Economic efficiency of using capital assets on dairy and meat state farms of Kharkov Province. p. 118.
- Anichin, L. M. - Economic efficiency of shortening time required for sugar-beet harvesting. p. 123.
- Linnik, I. A., Lysyl, G. A. - Accounting for the financial condition of collective farms. p. 128.
- Rudov, A. P. - Ways of reducing the production cost of winter wheat. p. 134.
- KHIMIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE].** Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.] Moscow, vol. 5, no. 5(43), May 1967.
- Table of contents translated
- Rubanov, V. S., Bereslov, I. I. - Effect of various forms of nitrogen fertilizers in single and fractional placement on the yield of sugar beets. p. 2.
- Domulodzhianov, Kh. D. - Utilization by cotton of nitrogen and phosphorus fertilizers under various soil moisture. p. 4.
- Grigor'ev, E. I., Ivanova, T. I. - Effectiveness of supplementary nitrogen fertilizer for winter rye as related to the humus content in soil. p. 7.
- Skorokhod, V. I. - Use of nitrophoskas in deep Chernozems. p. 9.
- Iankovskaya, N. M. - Effect of fertilizers on the chemical composition of cabbage and carrots. p. 11.
- Alekaldze, G. N. - Toxicity of orthophosphoric insecticides to leaf miners. p. 14.
- Vikhanski, I. U. D. - Comparative toxicity of organophosphoric pesticides to grain and grain product pests. p. 16.
- Sonakov, V. V. - Testing pesticides against diamond-back cabbage moth in Kamchatka. p. 17.
- Volodkovich, S. D., and others. - Acaricidal characteristics of dekachlor. p. 18.
- Tremi, A. G., Skitarovskii, M. A., Sharuda, E. V. - Methodology for primary testing of soil nematocides. p. 22.
- Vylegzhanina, G. F., Prudovskaya, E. I. A. - Duration of the toxic effect of chlorophos on the shield bug Eurygaster integriceps and the residue of the preparation in wheat. p. 26.
- Granin, E. F., Izubenko, V. V. - Activity of some fungicides in relation to the Phytophthora infection of tomatoes. p. 27.
- Gruzdev, G. S., Kallini, V. A. - Effect of 2,4-D mixtures with atrazine on weeds in cornfields. p. 31.
- Vasil'ev, D. S., Aroslavskaya, P. N. - Testing prometryn against weeds in soybean, castor bean, mustard, and coriander fields. p. 38.
- Mukhina, G. N. - Searching herbicides for controlling hardy ryegrass in flax fields. p. 39.
- Miamornova, V. V. - Results of testing simazine and alapon in berry fields. p. 41.
- Milashchenko, M. Z., Buravik, I. P. - Use of simazine and atrazine in orchards in Omsk Province. p. 45.
- Karabakov, I. A. - Use of gibberellin in the propagation of black currants by cuttings and layerings. p. 46.
- Grigor'ev, N. N. - Studying the requirements of amino acids by chicks raised for egg production. p. 52.
- Pen'kova, A. F. - Effect of various cobalt compounds on protein metabolism in the organism of sheep. p. 56.
- Rastegnev, I. U. M. - Use of trichlorometaphos-3 against warble fly larvae. p. 58.
- Il'inski, N. N., Sugrobov, M. M. - Effectiveness of mineral fertilizers for grain crops in Rostov Province. p. 59.
- Spivak, Kh. S., and others. - Determining available phosphorus and exchangeable potassium from one soil extract. p. 62.
- Avakian, N. O., Sudzhian, V. S., Karapetian, E. A. - Continuous method for determining available phosphorus according to Aikhenius. p. 64.
- Lapchenkov, G. I. A. - Economic effectiveness of using herbicides in millet fields. p. 68.
- Sokolov, V. S. - Effectiveness of simazine in corn fields. p. 67.
- Rasin'sh, A. P. - Efficient method for estimating weeds. p. 69.
- Popov, P. V. - Errors in computing technical effectiveness of pesticides. p. 74.
- Vol. 5, no. 6(44), June 1967.
- Table of contents translated
- Mandalmor, T. I., Tashmatova, A. N. - Effectiveness of the use of potassium fertilizers for cotton in light-colored Sierozems. p. 2.
- Domrachev, D. I. - Use of phosphorus-potassium fertilizers in clover seed fields. p. 4.
- Sagunova, T. N. - Effect of irrigation and fertilizers on the chemical composition of the VIR 267 hybrid corn. p. 6.
- Petrova, L. K. - Expediency of the use of urea in light turf-Podzolic soils. p. 9.
- Saburov, M. K., Razzakov, M. D. - Use of various forms of nitrogen fertilizers in growing apple seedlings in irrigated Sierozems. p. 11.
- Getmanov, P. I. - Importance of trace elements fertilizers for growing hemp in peat humic soils. p. 12.
- Babenko, N. V., Chernobaeva, M. M. - Effect of conditioned supplements on the physical properties and effectiveness of "nitroammophoskas." p. 14.
- Sapegin, L. M. - Effect of mineral fertilizers on the yield and chemical composition of floodland grassland. p. 15.
- Zil'bermint, I. V., Fadeev, I. U. N., Zhuravlova, L. M. - Resistance of the spider mite Tetranychus telarius L. to acaricides. p. 17.
- Sedykh, A. S., and others. - Compatibility of phosphorus-organic insecticides with fungicides. p. 22.
- Bogarda, A. P. - Results of the use of hexachlorocyclohexane and polychlorophene against poppy snout beetles Stenocranus fuliginosus and Cauterhynchus macula alba. p. 24.
- Golyslin, N. M., and others - Dithiocarbamates against Peronospora infection of tobacco. p. 27.
- Spiridonov, I. U. A., Iakovlev, A. I. - Penetration and the detoxication speed of soil herbicides in humid subtropics. p. 31.
- Smirnov, B. M., Denisenko, E. Z. - Effect of herbicides on the weediness of field and yield of sugar beets under irrigation. p. 35.
- Khubutla, R. A., Chantladze, M. N. - Effectiveness of herbicides on tea plantations. p. 38.
- Soldatov, A. B. - Comparative effectiveness of herbicides used before sowing. p. 42.
- Volnov, M. I. - Results of testing prometryn in forage beet, pea, and carrot fields. p. 44.
- Krechmar, G. F. - Reducing the buttoning of Allium fistulosum using maleic hydrazide in the Far North. p. 45.
- Li'in, N. M. - Using synthetic lysine and methionine in rations for chicks grown for meat. p. 49.
- Kalmykov, S. I., Khon, K. V. - Determining flourine and fused forage phosphates. p. 54.
- Kochegina, A. E., Zhezhe, L. V. - Determining nitrates in soil in a continuous line. p. 58.
- Kreshkova, E. K., Komarova, K. A., Tarovenko, A. N. - Methods for analyzing potassium fertilizers based on potentiometric titration in waterless solutions. p. 61.
- Stempkovskaya, L. A., Pashkovskaya, I. I. - Colorimetric determination of residual quantities of chlorophos in some crop products. p. 67.
- Poluyisev, E. L. - Mechanization of work in applying gypsum to Solonchak soils. p. 71.
- Khatkov, A. Kh. - Session of the Scientific Technical Council of the Ministry of Agriculture of the U.S.S.R. on the problems of chemical means for preventing the lodging of grain crops. p. 77.
- Cherkasski, M. M. - All-Union conference on the problems of increasing the effectiveness of fertilizers in cotton growing. p. 78.
- Seventy-fifth birthday of P. G. Naidin. p. 80.
- KRASNOYARSK. NAUCHNO-ISLEDOVATELSKII INSTITUT SEL'SKOGO KHOZIAISTVA KRANINGO SEVERA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE OF THE EXTREME NORTH. Transactions].** Vol. 13, 1966. Therapy and prophylaxis of the diseases of reindeer and fur-bearing animals in the Far North.
- Table of contents translated:
- Masilukhin, B. V. - Antibiotics in necrobacillosis of reindeer. p. 6.
- Sil'kov, A. M. - Effect of tissue biostimulators in the experimental necrobacillosis of reindeer. p. 11.
- Sil'kov, A. M. - Effect of tissue biostimulators on protein metabolism in reindeer. p. 17.
- Tachev, V. S. - Role of pasture conditions on the prophylaxis of necrobacillosis and bronchopneumonia in reindeer. p. 21.
- Laishev, A. Kh. - Surgical treatment of the suppurative arthritis of coffin joints in reindeer. p. 25.
- Laishev, A. Kh., Maslukhina, A. G., Zharkova, M. I. - Microflora of suppurative necrotic anthrax of extremities in reindeer. p. 29.
- Laishev, A. Kh., Maslukhina, A. G. - Toxins of necrosis bacilli. Report No. 1. p. 33.
- Laishev, A. Kh., Maslukhina, A. G. - Presence of "distribution factors" in the pathogenesis of necrobacillosis in reindeer. p. 37.
- Golosov, I. M., Zhabudin, V. A., Klimontov, M. I. - Studying the epizootiology of brucellosis in reindeer in the northern Yenisey Valley. p. 39.
- Istomin, V. A. - Brucellosis of reindeer in the Chukotka National Area. p. 49.
- Zabrodin, V. A. - Agglutination titers in brucellosis of reindeer. p. 53.
- Savel'ev, D. V. - Insecticides for the summer spraying of reindeer against warble flies. p. 57.
- Savel'ev, V. D., Mezeney, N. P. - Testing repellents and insecticides for controlling bloodsucking insects in the Far North. p. 67.
- Mezeney, N. P. - From emulsifiers to repellents. p. 81.
- Borisov, V. N. - Duration of immunity in reindeer cured of foot-and-mouth disease. p. 85.
- Zalarnuk, V. P. - Fall antianthrax inoculation of reindeer. p. 89.
- Masilukhin, A. G. - Tularemia in the Noril'sk region and its vicinity. p. 93.
- Zabrodin, V. A., Komissarova, L. A. - Toxoplasmosis of reindeer. p. 97.
- Klimontov, M. I. - Sarcocystis of reindeer heart. p. 101.

2200

- Maslov, B.S. - Effect of the volume of sand weight on the relationship between absorption and moisture. p.42.
- Dmitriyev, E.A., Manucharov, A.S. - Assymetry in the distribution of water permeability. p.46.
- Pustovolov, N.D., Shilina, N.I. - Water conditions of cultivated soil-Podzolic soils. p.54.
- Kaurichev, I.S., Shishov, V.S. - Oxidation-reduction conditions of light mechanical composition soils in Meshchera Lowland. p.66.
- Radov, A.S., Korzhagina, E.D. - Content of boron and manganese in Chestnut soils in Volgograd Province. p.78.
- Glasian, A.Sh. - Role of enzymes in the process of formation of soda in soil. p.80.
- Shilova, E.I. - Origin of the carbon dioxide of soil air and the effect of the roots of plants on the chemical characteristics of soils. p.97.
- Egorov, V.V. - Salt anomalies in the profiles of steppe Solonchaks and their causes. p.108.
- Molodtsov, V.A. - Changes in the depth and mineralization of ground water level in irrigated virgin soils in the Golodnaya Steppe. p.114.
- Slavnyi, I.U.A., Kaurichova, Z.N. - Characteristics of the salinization of soils in the Volga hills. p.121.
- Popov, A.A., Varlamov, N.E., Zhukov, B.M. - Soil balance of Solonchaks under rice in the Sarpa Lowland. p.131.
- Golevnikov, A.I. - Relation of the carrying capacity of dried peat bogs with the level of ground water. p.138.
- Florinskiy, M.A. - Improving the preparation of thin soil sections without disturbing their structure. p.143.
- Dur'yanov, I.A.B. - Burner with electric fuel liquid heating for flame photometric determination of sodium and potassium. p.147.
- Zakharuk, P.V., Podolich, S.M. - Mikhail Mikhailovich Gofin; his 80th birthday. p.149.
- Ispolit Ivanovich Gantimayrov; his 80th birthday. p.151.
- Gerasimov, I.P., and others. - In memory of Nikolai Ivanovich Prokhorov, his 90th birth anniversary. p.153.
- Georgii Ivanovich Chelodimov; an obituary p.156.
- Bibliography. p.157.
- SEL'SKAYA NOV' [RURAL NEWS].** Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Kiev, vol. 2, nos. 5-6, May-June 1967. (DNA L)
- SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC].** Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 5, May 1967.
- SEL'SKOE KHOZIAISTVO; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [AGRICULTURE; Classified Index of Articles in Foreign Periodicals].** Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka i Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature]. Moscow, nos. 5(133)-6(134), 1967.
- SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA].** Issued by Ministerstvo sel'skogo khozaistva Belorusskoi SSR [Ministry of Agriculture of the White Russian S.S.R.]. Minsk, vol. 15, no. 5(215), May 1967.
- SEL'SKOE KHOZIAISTVO KIROIZH [AGRICULTURE OF KIRGHIZIA].** Issued by Ministerstvo sel'skogo khozaistva Kirgizskoi SSR [Ministry of Agriculture of the Kirghiz S.S.R.]. Frunze, vol. 13, no. 6, June 1967.
- SEL'SKOE KHOZIAISTVO ROSSII [AGRICULTURE OF RUSSIA].** Issued by Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Moscow, no. 6, June 1967.
- SEL'SKOE KHOZIAISTVO TURKMENISTANA [AGRICULTURE OF TURKMENISTAN].** Issued by Ministerstvo sel'skogo khozaistva Turkmenskoi SSR [Ministry of Agriculture of the Turkmen S.S.R.]. Ashkhabad, vol. 11, no. 5, May 1967.
- SEL'SKOE KHOZIAISTVO UZBEKISTANA [AGRICULTURE OF UZBEKISTAN].** Issued by Ministerstvo sel'skogo khozaistva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.]. Tashkent, nos. 5-6, 1967.
- SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.].** Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka [Central Agricultural Library]. Moscow, no. 6, 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOL'Z'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY].** Issued by Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Saratov, vol. 13, no. 6, June 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TCHO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION].** Organ of Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Krasnodar, vol. 10, no. 7, July 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST].** Issued by Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Omsk, vol. 11, no. 6, 1967.
- SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRICULTURE].** Issued by Eesti NSV Polumajanduse Ministerium [Ministry of Agriculture of the Estonian S.S.R.]. Tallinn, vol. 22, nos. 11-13, June-July 1967. [In Estonian]
- TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE].** Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 27, no. 4, 1967.
- Table of contents translated:
- Kirukhin, A. - The path of the Soviet tractor. p.1.
- Kolomnets, A. - Development of mechanization in vegetable gardening. p.6.
- Pashchenkov, K. - Loading and unloading operations in potato planting. p.10.
- Vpolkov, P., Smetov, D. - Mechanization of the placement of mineral fertilizers. p.16.
- Akhmedzhanov, M. - Levelling irrigated plots before sowing. p.18.
- Gorin, M. - Rotor with inertia relieving for drainage trencers. p.23.
- Prostakov, N. - Overall mechanization of pigsties for sows. p.24.
- Bozhkov, D., Kravchenko, V. - Mechanized poultry house. p.26.
- Solov'ov, A. - Removal of manure from poultry houses. p.28.
- Pronko, L., Khoma, N. - Improving the PS-5 feeder and grinder. p.29.
- Roshchin, P. - The TSN-3, DD conveyors in large stock yards. p.31.
- Rozman, V., Fridman, V., Khersonskii, A. - Transformer substitution for villages. p.34.
- Abramov, A., Il'ina, L., Kaplonko, V. - Zero current protection system in automatic control. p.36.
- Lekhan, G. - Checking the armature of a generator. p.38.
- Polunin, N. - New trucks for agriculture. p.39.
- Rumiantsev, E., Samarchenko, I.U., Prutskov, V. - Hydraulic booster valve of the SSn-75 chassis. p.44.
- Tarasov, L. - Submersible electric pump from polyethylene. p.45.
- Mishchenko, I. - Calculating tractor work in tillage standard units. p.48.
- Antsalov, G. - Urgent question. p.51.
- Gabunov, Kh., Rakhmatullin, A. - Calculating basic parameters of planting rates for potato planters. p.51.
- Solov'ov, P., Zholudov, N. - New method for the operative planning of work with agricultural machinery and tractors. p.54.
- Gavrilov, A. - Preparation of diesel fuel for engine cooling. p.57.
- Molisev, E. - Controlling sowing norms. p.58.
- Polupanov, F. - Specialization as a basis for improving repair work. p.59.
- Vol'son, V. - Methods for metal cutting. p.61.
- Morozov, A. - Repairing the cylinder head of the D-40 engine. p.64.
- Sushkevich, M., Pantukh, M., Zaitsev, D. - Connecting road by electrolytic copper. p.66.
- Gaponov, E., Sarmakshov, G. - Improving the covering framework of the PRVN-2, 5A plow. p.67.
- Topilin, G. - Stand for repairing the MTZ-50 tractor. p.68.
- Muzychuk, F. - Eliminating the autof speed of tractor diesels. p.70.
- Solodukhin, G., Shevtsov, A., Novik, B. - Growing and wide row planting of p.73.
- Borisov, E., Petrov, E. - Performance at increased speeds. p.73.
- Tersikh, I. - Determining the technical engines using the RBI equipment. p.78.
- Dobromyslov, N. - Warming motor p.78.
- Pashkov, N. - Remodelling a vegetable p.78.
- Bobukh, B. - Repairing high pressure p.78.
- Naznalko, G. - Improvement of a valve p.78.
- Dulich, A. - Repairing pulleys. p.79.
- Kotikov, L. - Notching shafts on a lat p.79.
- Rezel', V. - Mechanization of potato p.79.
- German Democratic Republic. p.79.
- Samsanov, E. - Norms for delivery p.80.
- Akent'ev, I.U. - Vibrational sieves, p.80.
- Kozharov, V. - Seminar of the chair of mechanization and electrification
- Vol. 27, no. 5, 1967.
- Table of contents translated:
- Machinery operators came to the field. p.1.
- Doman'kov, V., Lepashko, I. - Technology of growing sugar beets in the zone of increased moisture. p.5.
- Sal'nikov, V. - Roundridge method of plowing. p.10.
- Pisarenko, G. - Overall mechanization of the production of grass meal. p.12.
- Zelenskii, I.U. - Mechanized planting of mint. p.14.
- Leskov, I.U., Niklash, G. - Lights of Samet'. p.15.
- Oranskii, N. - System of technical maintenance and repair of machines and equipment of livestock farms. p.21.
- Pakhomov, V. - Safety measures at livestock farms. p.23.
- Egorchenkov, M. - Steamer for feed treatment. p.25.
- Sarukhaev, S. - Tipping feeder for distributor conveyor. p.27.
- Nasonov, V. - Apparatus for fermentation of feeds. p.28.
- Miragatov, A. - Drainage machinery in irrigated lands. p.29.
- Plakova, A. - Mechanization of forest plantation operations in small and middle-size sands. p.32.
- Fedoseev, B., Drozdov, V., Kuznetsov, A. - Unit for ploughing heavy loamy soils and sods. p.34.
- Kazakov, V. - Working parts for digging slit trench. p.37.
- Dormodukhin, F. - Grab bucket for cleaning well. p.38.
- Kazmironko, F. - Development and remodeling rural electrical power networks in Moscow Province. p.39.
- Volkov, A. - Where Lenin was. p.42.
- "Energy" team helps agriculture. p.44.
- Paulis, M. - Attachment for the suspension of a harrow. p.45.
- Stepanuk, P. - Frontal driving axle of a tractor and its operation. p.46.
- Demskii, A., Tamarov, E., Chernolikhov, A. - The AVM-3M modernized flour mill. p.49.
- Zakurdaev, V. - Mechanization of the harvesting and loading of bales. p.52.
- Pechoniy, Kh. - Units for calculating work of tractors. p.55.
- Shikanov, S. - Setting grain planters to sowing rates. p.59.
- Pustovarov, F. - Operation of the LDS-4A planter. p.62.
- Zoisenskii, I.U., Bionstoin, S. - Preparing the GAN-8 machine for operation. p.68.
- Slekhkar', V., Tkukhin, A. - Improving the performance of the AG-UD-2 aerosol generator. p.68.
- Lenskii, A. - Eliminate losses in petroleum products. p.69.
- Shivanov, E. - Repairing the gearbox body. p.71.
- Barylnik, V., and others. - Synthetic cleaning agent. p.72.
- Maslov, N., Lisovskii, I.U. - Accelerated charging of accumulators. p.74.
- Gofman, E. - Apparatus for checking crank axles of the DT-54, T-74, and T-75 tractors. p.76.
- Kolobov, G. - Adjusting the SDTM-IM stand. p.78.
- Starikov, V., Nikulin, V. - Rapid testing of tractors, self-propelled chassis, and trailers. p.80.
- Ritabov, P., Chislan, G. - Attachment to the PN-4-35 plough. p.81.
- Burlykin, E., Kriukov, F. - Driving hydraulic engines using hydraulic systems of tractors. p.82.
- Kuvshinov, I.A., Peroverzov, V. - Heating and cleaning air of a tractor cab. p.84.
- Patslukov, A., Frolov, V. - Oznov K - Grasshopper caked fertilizers. p.85.
- Shovkopitas, I.A. - Filter

- 2202

- Guslavska, I. I. - Elimination of the most important helminths in Pavlodar Province. p. 110.
- Ksemabava, G. Kh. - Effect of environmental factors on the viability of the *Eurytemora pancreaticum* eggs. p. 113.
- Mal'isev, S. N. - History of the landscaping Semirech'ye and Alma-Ata. p. 115. (DNAL)

B. ANIMAL INDUSTRY

LENNINGRAD GOSUDARSTVENNIY NAUCHNO-ISSLEDOVATELSKIY INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA. Izvestia [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES Bulletin]. Vol. 61, 1966. Carp breeding and problems of intensified fishpond pisciculture.

Table of contents translated

- Kirpichnikov, V. S. - Objectives and methods of carp breeding. p. 7
- Kirpichnikov, V. S., Golovinskaya, K. A. - Characteristics of spawners of basic carp breeds of the U. S. S. R. p. 28.
- Kirpichnikov, V. S. - Progeny testing methods used on carp farms. p. 40.
- Andriashova, M. A. - Heterosis in intraspecific carp crossing. p. 62.
- K. Kriazheva, K. V. - Effect of stocking density on growth, variability and survival of young hybrid carp. p. 80.
- Spici, G. I. - Evolution of scale cover of cultured carp. p. 102.
- Shorobayev, G. L. - Data on ecologic physiology and biochemistry of carp, Amur carp and their hybrids. p. 111.
- Nenashev, G. A. - Heritability of some morphological (diagnostic) characters in *Rutilus* carp. p. 125.
- Viktorovskiy, R. M. - Morphological characteristics of *Cyprinus carpio* L. *F. Tinca tinca* L. hybrids. p. 136.
- Kirpichnikov, V. S. - First results and future objectives in organizing fish breeding in northwestern R. S. F. S. R. p. 143.
- Zonova, A. S., Shatrova, Z. A. - Selective breeding of northern hybrid carp in Novgorod Province. p. 154.
- Petrov, B. E., Romanova, Z. T. - Selective breeding of northern hybrid carp in Pskov Province. p. 168.
- Romanova, Z. T., Petrov, B. E., Zabogalina, N. A. - Testing commercial qualities of hybrid carp in Pskov Province. p. 178.
- Konradt, A. G., Sakharov, A. M. - Obtaining larvae of commercial fishes from hatcheries. p. 183.
- Dmitrenko, I. U. S. - Transportation and final stages of incubation of artificially fertilized carp eggs. p. 208.
- Sergeeva, M. N. - Feeding habits of young-of-the-year northern (*Rutilus*) hybrid carp under different stocking density of fishponds and at various temperatures. p. 211.
- Konradt, A. G., Faktorovich, K. A. - Case of hemorrhagic septicemia in *Ctenopharyngodon idella* (Val.). p. 225.
- Zmerzhalskiy, E. I. - Effect of various foods on changing numbers of *Elmerta carpell* oocytes in carp. p. 229.
- Liakhovich, V. P. - Methods of increasing fish productivity in fishponds of White Russia. p. 234.
- Zlotkazov, V. N., Ignat'ev, V. A. - Development of fishpond fisheries in Western Siberia. p. 248.

MOLOCHINOE I MIASNOE SKOTOVOODSTVO (DAIRY AND DEER CATTLE BREEDING). Issued by Ministerstvo sel'skogo khoz'yaistva SSSR (Ministry of Agriculture of the U. S. S. R.). Moscow, vol. 5, no. 1, Jan. 1960. (DNA I)

MOSCOW, VSESOIYUNNIY NAUCHNO-ISSLEDOVATELSKIY INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAFIY. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. Transactions]. Vol. 50, 1966.

Table of contents translated:

- Torban, S. S., Trofimov, V. P., Polulak, S. I. - Drift net hauling device. p. 9.
- Torban, S. S., Tshuklaev, I. Sh. - Winch LVUK-2 for hauling seine and winding ropes. p. 19.
- Torban, S. S. - Present and future use of hydraulic drives on fishing vessels. p. 29.
- Terent'ev, A. V., and others. - Mechanized line for catching and initial processing of mussels on SchS-type ships. p. 39.
- Tshuklaev, I. Sh. - Tensometric device for measuring fishing gear resistance in water. p. 53.
- Polulak, S. I. - Study of the strain of branch lines of a drift net. p. 61.
- Terent'ev, A. V. - Hydraulics in mechanized herring processing on ships. p. 69.
- Fominova, V. P. - Salting herring in circulating brine in airtight tanks on SRT-type ships. p. 79.
- Sidel'kovskaya, F. P., and others. - Use of polymers for lessening the swelling of fish stored in cooled seawater or artificial salt solution. p. 87.
- Terent'ev, A. V., Barsel', A. B., Trofimov, V. P. - Hydraulics in mechanized loading of salt herring on fishing vessels. p. 93.

- Marshak, I. M., Popov, M. V. - Main parameters of the automation of fish processing by smoking. p. 107.
- Marshak, I. M., Popov, M. V. - Automatic generation of smoke by smoke generator PSM. p. 148.
- Popov, M. V. - Operational properties of smoke generator PSM-VNIRO. p. 159.
- Barsel', A. B. - Methodology of comparative testing of continuous action conveyor refrigerators. p. 163.
- Karlus, V. G. - Determining the position of flounder on a solid surface with the help of photoelectric system. p. 177.
- Terent'ev, A. V., Marshak, I. M., Trofimov, V. P. - Methods of determining the mechanization and automation level in production processes of the fishing industry. p. 185.
- Torban, S. S., Tshuklaev, I. Sh. - Principles of labor organization in completely mechanized fish processing plants of the Caspian Sea region. p. 199.

Vol. 61, 1966. Commercial fishing technology and netting industry.

Table of contents translated

- Treshchev, A. I. - Intensity of fishing. p. 13.
- Treshchev, A. I. - Selection of trawls for sea bass fishing. p. 17.
- Shestov, V. P. - Relation of girth to length in some Barents Sea fishes and selection of cod ends. p. 63.
- Smirnov, A. N., Naumov, V. M., Bondarenko, T. S. - Selectivity, catchability and economic aspects of beach seines in Gulf of Taganrog. p. 73.
- Nikonorov, I. V. - Results of the study of continuous fishing methods. p. 95.
- Malkevich, S., Balchunas, J. - Inductive load of pulse generator used in electric fishing. p. 115.
- Pupyshev, V. A. - Study of the reaction of some tropical commercial fishes to pulsating unipolar current in the uniform electric field of an aquarium. p. 133.
- Danilyute, G. - Role of various nervous system sections in stimulating anode reaction in fish. p. 141.
- Danilyute, G., Zubeltute, D. - Reaction of some fishes to modulated pulsating electric current. p. 161.
- Lukashov, V. N., Usachev, V. V. - Electric fishing in the Volga Delta. p. 159.
- Sokolov, I. M., Nikolaev, V. A. - Effect of bubbling on fish behavior. p. 173.
- Rubtsov, A. I. - Underwater observations of fish in the presence of electric potentials. p. 185.
- Sidel'nikov, I. I. - Efficient management of lighting equipment on ships used in saury fishing. p. 191.
- Udanov, K. I. - Basic characteristics of echo sounding gear and its effect on the effectiveness of fish detection. p. 197.
- Udanov, K. I. - Characteristics of recording natural fish by sonar. p. 227.
- Karapuzov, A. I. - Study of curvilinear movement of ship with a trawl. p. 235.
- Alekseev, N. I. - General analytical solution of the form, resistance and tension of a net with one unlatched rope. p. 271.
- Alekseev, N. I. - Tension and configuration of ropes in a current. p. 277.
- Andreev, N. N. - Distribution of forces among twines of the external mesh row of webbing by fastening it intermittently. p. 287.
- Rozenshteyn, M. M. - Relationship between bottom trawl parameters and trawling speed. p. 301.
- Rozenshteyn, M. M. - Determining the coefficient of the fullness of trawl opening. p. 315.
- Stepanov, G. N. - Sinking rate of the footropes of high-wall purse-seine. p. 325.
- Ionas, V. A. - Evaluation of the coefficient of strength of fishing gear with reference to its tear and wear. p. 341.
- Mikhailova, E. N. - Testing fishing net material from synthetic fibers as to its resistance to light and other atmospheric phenomena. p. 345.
- Gelavlov, I. F. - Devices for determining the stiffness of ropes. p. 351.

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoz'yaistva SSSR (Ministry of Agriculture of the U. S. S. R.). Moscow, vol. 13, nos. 5-7, 1967.

OVTSEVOODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoz'yaistva SSSR (Ministry of Agriculture of the U. S. S. R.). Moscow, vol. 12, nos. 9-12, Sep.-Dec. 1966; vol. 13, nos. 1-7, Jan.-July 1967. (DNAL)

PCHELOVOODSTVO [APICULTURE]. Organ of Ministerstvo sel'skogo khoz'yaistva SSSR (Ministry of Agriculture of the U. S. S. R.). Moscow, vol. 44, nos. 2-3, 5, Feb.-Mar., May 1967. (DNAL)

PTITSEVOODSTVO [POULTRY RAISING]. Issued by Ministerstvo sel'skogo khoz'yaistva SSSR (Ministry of Agriculture of the U. S. S. R.). Moscow, nos. 1, 12, Jan., Dec. 1952; vol. 15, no. 1, Jan. 1955; vol. 16, nos. 10-12, Oct.-Dec. 1966; vol. 17, nos. 1-7, Jan.-June 1967. (DNAL)

RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoz'yaistvu pri SNTK SSSR [State Committee for Fisheries, Attached to the Economic Council of the U. S. S. R.]. Moscow, vol. 43, no. 4, 1967.

Table of contents translated:

- Winners of the All-Union Socialist Competition of the 4th quarter of 1965. p. 2.
- Zilanova, S. K. - Results of Micromesistius fisheries. p. 5.
- Zemskaya, K. A., Markova, E. L. - Further development of commercial ichthyofauna in Aral Sea. p. 7.
- Starushenko, L. I. - Expansion of gray mullet rearing farms in the Black Sea region. p. 9.
- Bitukov, E. P. - Biological principles of spectral characteristics of light sources used in fishing. p. 13.
- Tolchinskii, G. - Temperature balance in hypophthalmichthys egg incubation. p. 15.
- Amineva, V. A., Pollanskaya, A. - Use of Melt's tubes from polyethylene. p. 17.
- Zaitseva, N. D. - Amount of blood and hemoglobins in young eel. p. 18.
- Shishkova, E. V. - Sonic activity of Black Sea fishes. p. 20.
- Levshin, G. F. - Some indices of the use of Götaverken engines DM7/60/1500 VGS-7U. p. 22.
- Sokolov, B. G. - Fishing, navigation and communications. p. 24.
- Shukov, G. D. - Effect of wind and wave conditions of navigation on some technological and fishing properties. p. 28.
- Dremlyug, V. V., Rudasov, F. I. - Ship speed loss caused by waves. p. 31.
- Ienas, V. A. - Theory of the catching capacity of a trawl. p. 33.
- Matrosov, I. R. - Reply to critical remarks concerning trawl spreading gear. p. 37.
- Molochkov, I. U. V. - Use of dynamometers for leveling trawling lines. p. 40.
- Shevtsov, S. E. - Synthetic materials for drift nets. p. 42.
- Muratov, N. P. - Modernizing technical equipment on floating base "Pionersk". p. 47.
- Zilanova, V. K. - Micromesistius fisheries. p. 50.
- Leketin, I. A., and others - Iron salts in canned fish. p. 51.
- Koval'chuk, G. K. - Objective technological indices of new fishery products. p. 54.
- Val'ter, L. A. - Use of lacquered chrome-plated lin in canning industry. p. 57.
- Mekenskiy, S. A. - Improvement of color refrigerator. p. 59.
- Mal'tsev, I. P. - New planning and economic incentives in fish processing plants. p. 63.
- Ivanov, V. S., Leonov, V. Kh. - Introduction of business accounting on fishing vessels. p. 66.
- Nesmeshny, P. - We are preparing for new working policy. p. 69.
- Lipnitskiy, S. - Specifications of warehouse supplies for fish processing plants of the Far East. p. 71.
- Planning and coordination of work based on scientific organization of labor in fishing industry. p. 73.
- Ivchenko, V. V. - Model of production plan in repairing fishing vessels. p. 75.
- Palsera, A. D., Mikhailova, V. T. - Example of the solution of problems on intensive production of tin cans. p. 78.
- Zaitsev, V. P. - 54th session of the International Council of Oceanographic Research. p. 85.
- Brief news. p. 87.
- Bibliography. p. 90.

Vol. 43, no. 6, 1967.

Table of contents translated:

- Zarin, N. A. - Fishery press in the year of the anniversary. p. 3.
- Doront'eva, T. F. - Main causes for the decrease in fish stock in Caspian and Azov Seas. p. 6.
- Atushin, B. N., Kodolova, O. P., Novikov, I. U. V. - Improvement in the conditions of saury reproduction in the Pacific. p. 10.
- Saf'lanova, T. E., Revina, N. I. - Time of the development of annual rings on otoliths of the Black Sea saurel. p. 12.
- Erm, V. A. - Pathways of restocking vimba in Pskov-Petpus Lake. p. 15.
- Gzhegolskiy, M. I., Martynuk, V. Z. - Effect of some herbicides on fish. p. 17.
- Bashuev, V. P. - Electric fishing of water fleas. p. 18.
- Shishkova, E. V. - Sonic activity of Black Sea fishes. p. 19.
- Durakov, N. K. - New fish canning trawler "Natalia Kovshkova". p. 23.
- Dmitriyev, B. A. - Admiral of a fishing collective fleet. p. 26.
- Nilov, V. I. - Better desalting units for fishing vessels. p. 27.
- Shukov, G. D. - Effect of wind and wave conditions of navigation on technological and fishing properties of vessels. p. 29.
- Akselutin, L. R. - Measuring ship heeling by a light-house inclinometer. p. 30.
- Magnetic treatment of water. p. 32.
- Sakhno, I. I. - Possibility of using nodeless knitted fabrics in trawling. p. 35.

2204

- Karabash, I.U.A. - Use of the biological preparation beaverin combined with hexachloran in controlling the apple sawfly *Hopocampa testudinea*. p.24.
- Kudina, Z.H.D. - Effectiveness of the biological preparation combined with DDT against the European corn borer *Pyrausta nubilalis* Hb. in the conditions of the forest-steppe of the Ukraine. p.29.
- Koretskaya, Z.M. - Evaluating the effectiveness of bacterial preparations combined with sevin against the apple min moth *Hyponomeuta malinellus* and the hawthorn leaf roller *Cacoecia caryocana* Hb. p.34.
- Smetnik, A.I. - Effectiveness of the simultaneous use of the biological preparation entobacterin-3 and DDT in controlling *Amorcan* fall webworm (*Hyphantria cunea* Drury). p.39.
- Priyatkov, V.P. - Change in the microflora and the pH value of hemolymph of the larvae of the Colorado beetle under the effect of the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.) and DDT. p.47.
- Lappa, N.V. - Hemolymph of the brown tail moth (*Euproctis chrysorrhoea* L.) and pathological changes in it under the effect of entomopathogenic bacteria. p.60.
- Sikura, A.I., Sikura, L.V. - Fertility of the Colorado beetle (*Leptinotarsa decemlineata* Say) under the effect of the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.). p.77.
- Sikura, L.V. - Effect of the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.) and sublethal DDT doses on the change in the hemolymph and hibernation of the Colorado beetle. p.80.
- Prinik, T.A. - Susceptibility of various phases of the codling moth (*Carpocapsa pomonella* L.) to the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.). p.101.
- Deglasov, E.N. - Protein and carbohydrate metabolism in the larvae of the Colorado beetle (*Leptinotarsa decemlineata* Say) under the effect of the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.). p.110.
- Prinik, T.A. - Effect of the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.) on the larvae of the Colorado beetle (*Leptinotarsa decemlineata* Say) using various amounts of spores. p.114.
- El'tskhiy, M.M. - Destruction of the caterpillars of the European corn borer (*Pyrausta nubilalis* Hb.) by the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.) under various conditions of air moisture. p.119.
- Zhigalov, G.N. - Fertility of the sugar beet beetle (*Bothynoderes punctiventris* Germ.) infected with the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.). p.128.
- Rogochala, L.G. - Effectiveness of the use of the suspension of beaverin combined with sevin by wounding apple stem for controlling the caterpillars of the codling moth (*Carpocapsa pomonella* L.). p.131.
- Zakharchenko, N.L. - Technological system for cultivating the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuill.) at near-factory conditions by the combined method. p.134.
- Lappa, N.V. - Effect of various pesticides on the viability and germinating capability of the spore of the fungus *Beauveria bassiana* (Bals.) Vuill. p.139.
- Tron, N.M. - Comparative evaluation of the effect of the biological preparation beaverin mixed with various insecticides on the Colorado beetle caterpillars (*Leptinotarsa decemlineata* Say). p.145.
- Diadechko, N.P. - Entomophaga and pathogens of fungus diseases in thrips feeding on plants. p.149.
- ZEMLEDELIE [AGRICULTURE].** Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol.20, no.5, May 1967.
- Table of contents translated:
- Let us protect soil from erosion. p.2.
- Nazarov, K. - Achievements of Soviet breeding. p.4.
- Doroshchenkov, G. - Happiness has come to every home. p.10.
- Lavrinenko, M. - Large crops for anniversary year. p.12.
- Vorotynsev, N. - Let us use all resources. p.12.
- Vorob'ov, S., Gordinskiy, I.A. - Introducing and mastering crop rotation. p.14.
- Shubin, V. - Fallowing and the daily bread. p.18.
- Fedulaev, A. - Crops preceding winter crops. p.23.
- Solov'ev, D. - Machines for intensive agriculture. p.25.
- Azizov, E. - Tillage equipment in irrigation farming. p.31.
- Mikhailits, A. - These are not trifles. p.32.
- Mechanization of the loading of airplanes with fertilizers. p.34.
- Young agronomist. p.36.
- Zhurek, I. - Use of herbicides. p.38.
- Dospokhov, B. - Rotation of crops and weed control. p.41.
- Semenov, N., Khabibrahmanov, Kh. - Mapping soil weediness. p.44.
- Shcherbakova, N. - Preparation against wheat lodging. p.46.
- Kot, S. - Controlling the wild cabbage *Brassica campestris*. p.48.
- Bocharov, A. - Experiments and production. p.50.
- Gridlakin, I. - What hinders the work of an agronomist. p.52.
- Zhuchkov, A. - Take care of the cadres of the team of specialists. p.54.
- Krivorot'ko, I., Siroto, S. - Provide protective shelter against wind erosion. p.56.
- Chesnokov, V. - Observe rotation of crops. p.57.
- Solov'ev, S., Markitanov, V. - Agriculture in swamps. p.58.
- Gagarkin, M. - Masters of the land. p.58.
- Panzenko, A. - Advantages of fertilizers. p.61.
- Samotuga, I.A., Ralushenko, E., Grechanenko, G. - Large buckwheat crops. p.62.
- Ivanov, K. - Early millet. p.63.
- Polezhenko, I.A. - Productivity of leguminous grasses. p.66.
- Kashirin, A. - Alfalfa. p.68.
- Likhitskiy, V. - Red clover. p.68.
- Baraev, A. - Characteristics of sowing spring crops in northern Kazakhstan. p.70.
- Malik, S. - Irrigation rates for northern Kazakhstan. p.71.
- Vasil'ev, A., Novikov, V., Klimov, A. - Aquatic cleaning of buckwheat seeds. p.72.
- 16. TECHNOLOGY**
- GENERAL**
- AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent. Izvestiya. Seriya tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin. Series in the Technical Sciences].** Tashkent, vol.10, no.5, 1966.
- Table of contents translated:
- Rakhimov, G.R., Sharipov, Kh., Latipov, K.Sh. - Resonance curves of two-circuit ferromagnetic circuits. p.3.
- Brileva, G.N. - Dynamic stability of electric power transmission lines with compensated supporting synchronous compensators. p.10.
- Palvanov, V.G. - Electromagnetic processes in a six-phase rectifier with biphasic and three-phase equalizing chokes. p.16.
- Us, V.K. - Using certain static characteristics of the asynchronism of discharge processes. p.21.
- Shriukulov, T., Dasbekov, A. - Solution of a unidimensional problem of packing for a three-phase soil medium taking into account nonlinear creep. p.27.
- Zakirov, S.N., Timashev, A.N. - Solving problems with mobile gas-water interface on analog electronic computers. p.33.
- Aldosov, A. - Approximate solution of integral equations describing the steady motion of a viscous incompressible fluid inside a rotating cylinder. p.41.
- Gaffarov, K., Zakharov, K.K. - Calculating a foundation plate rigidly clamped at its ends to foundation walls. p.46.
- Poberezhskiy, L.N. - Criteria of moistening and types of Uzbekistan soil water conditions. p.56.
- Kleiman, I.A., Z. - Calculation of mixing equipment. p.60.
- Akbarov, G., Akbarov, A. - Universal nomogram to calculate the long-range effect of gas jets in direct-flow burners with forced air supply. p.68.
- Fuklov, V.A., Oksak, A.A., Subkhankulov, F.F. - Theoretical bases of combustion processes in the oxygen zone of a bed charge in coke and coke gas cupolas. p.73.
- Shamirzaev, Kh. - Some results of experimental studies on using fire-jet boring methods for rocks of the Altyn-Topkan deposit. p.79.
- Popov, R.L. - Method of calculating the specific surface of mineral powders measured by the BET method. p.84.
- High reliability radiometers. p.88.
- Vol.11, no.3, 1967.
- Table of contents translated:
- Palvanov, V.G. - Reducing the power of control chokes in a six-phase rectifier. p.3.
- Ivashov, V.N., Kholmenev, V.F. - Calculating the sensitive element of radioisotope concentrate measuring devices. p.9.
- Dayronov, R.A. - Determining the number of transducers of automatic centralized information measuring systems. p.16.
- Mukhtidinova, M.Kh. - Solving by electronic computer the problem of torsion of thin-walled rods in conditions of unstabilized creep. p.19.
- Fatiziev, I.Kh. - Determining the rotating part of a spindle by analytic methods. p.22.
- Umarov, E.A., Iakunin, G.I. - Effect of galvanic and thermomagnetic phenomena on readings of a natural thermocouple. p.28.
- Umarov, G.I.A., Alimov, A.K., Sulutshkaliev, N.Kh. - Studying the performance of a pulse valve. p.33.
- Mirbabayev, V.A., Tashkhozhaev, Sh.A., Iakunin, G.I. - Effect of galvanic currents on the durability of high speed cutters. p.38.
- Bekimbelov, N., Tlan, V.K. - Interaction between sediment composition and content in Anu Darya irrigation systems. p.41.
- Svetitskiy, V.P. - Methods of investigating return waters. p.46.
- Mamadzhonov, U.D., Latipov, K.Sh., Umarov, A.I. - Filtration of wash water from a borehole. p.51.
- Lebedkova, A.A., Kalumov, Z.G. - Determining the granulometric composition of the ground mass for the solution of certain technological problems. p.56.
- Fatizullayev, Kh., Maksimov, P. - Mining a thick flat seam. p.60.
- Inalalov, A.I.A. - Micro-thermocouples, their installation and graduation by various instruments. p.64.
- Efficiency of a rigid reversible drive on a vertical spindle cotton-picking machine, in transition areas. p.68.
- Optical reproduction of a magnetic recording. p.70.
- BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY].** Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po nadzoru za bezopasnyim vedeniem rabot v promyshlennosti i gornomu nadzoru [State Committee of the Council of Ministers of the R.S.F.S.R. for Safety Inspection in Industry and Mining]. Moscow, vol.9, no.12, Dec. 1965.
- Table of contents translated
- Carry out the decisions of the September Plenum of the Central Committee of the CPSU. p.1.
- Increase the role and the responsibility of blaster foremen. p.4.
- Semenov, A.P. - Solve the problem of controlling high temperatures in deep mines. p.6.
- Litvinenko, A.S., and others - Utilizing the effect of preliminary working of the overlying seam on the degasification of a thick coal seam. p.9.
- Livshits, V.I., and others - Automation of fans for local ventilation. p.11.
- Syrochev, V.M., Malin, N.E. - Quality of ventilation partitions under conditions of low temperature. p.15.
- Tregubov, N.M. - Lowering dust formation during roller bit drilling. p.18.
- Gerchenova, N.A., Nikulin, D.D. - Automation must conform to the conditions of production. p.18.
- Gamldov, I.A. - Safety measures in the hydraulic fracturing of strata. p.19.
- Alekhinova, G.M. - Controlling the emanation of gas in old mine workings. p.21.
- Mikov, K.I. - Prevent traumatism in boiler rooms during ash removal. p.24.
- Shutsev, V.E. - Use of control and measurement apparatus as a condition for increasing industrial safety. p.26.
- Izrael', S.A. - Increasing the knowledge and experience of the staff of the State Mining Inspection. p.28.
- Kuznetsov, V.A., Khurs, E.I. - Semiautomatic elevator "Vorkutinsk - 60." p.30.
- Belousov, D.P. - New technology has improved industrial safety. p.32.
- Starlaev, I.U.N. - Problem of preventive maintenance. p.33.
- Zakharov, A.B., Iglishov, V.G., Elnor, F.F. - Use of oxidation inhibitors for the prevention of endogenic fires in blocks of coal. p.35.
- Volkovskiy, I.A.A. - Stepless regulation of the asynchronous electric drive of a hoisting machine with regenerative dynamic braking. p.38.
- Zaleskiy, P.S. - Protection of ventilation air ducts from the accumulation of electrostatic charges. p.39.
- Chashchinov, A.V., Shaparev, S.V. - Contactless system of determining the content of methane. p.41.
- Dinaburg, B.I. - Estimation of the capacity of the protective valves of steam boilers. p.42.
- Iantovskiy, S.A. - Minimal temperature for spontaneous combustion of gases and fumes. p.43.
- Petrov, N.G. - Cleaning boreholes of drilling mud. p.46.
- Anokhin, I.D. - Membrane-type device restricting the lifting capacity of a crane. p.46.
- Readers' letters. p.48.
- Consultation. p.49.
- Rozenberg, F.I.A. - Seminar on the exchange of experience in the prevention of industrial traumatism in slopes and shortwalls. p.52.
- *DEFEKTOSKOPIYA [DETECTOSCOPY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, no.2, 1967.
- Table of contents translated:
- Pronkin, V.T., Dubinin, G.V., Korolev, M.V. - Half-wave-flaw detector. p.1.
- Sokol'nik, I.E., Pochtovik, G.I.A. - Characteristics of ultrasonic testing of the structure of cement and concretes. p.6.
- Karlashov, V.K. - Determining phase and group velocities of normal waves. p.8.
- Shcherbinskiy, V.G. - Investigating dynamic acoustic contact at ultrasonic testing. p.13.

- Gorbunov, V. I., Shipagin, A. P. - Designing radiation defectoscope for operating with X-radiation. p.19.
- Gromov, I. V., Iakobson, A. M. - Experimental investigation of the attenuation ratio of bremsstrahlung in steel at betatron energies from 3 to 25 Mev. p.24.
- Kovalev, V. P., Aleksandrov, I. B. - Using micro-waves for testing plastic articles. p.20.
- Tatarukov, V. M., Gorazdovskii, T. A. - Using eddy currents for detecting internal stresses. p.35.
- Oshchepkov, P. K., and others - The DF-1 ferrosonde defectoscope for testing pipe quality. p.39.
- Stolnitskaya, E. E., Shukhin, D. A. - Temperature dependence of the sensitivity of a ferrosonde with longitudinal excitation. p.45.
- Zalozhina, N. N. - Method of selective measurement of geometrical dimensions and magnetic properties of ferromagnetic cylinder magnetized by a constant field of line current. p.49.
- Markevich, K. V. - Evaluating structural variations in surface layers of a material subjected to cyclic loading. p.55.
- Volkov, V. V. - Using the method of eddy currents for measuring the area of a cross section of rolled stock. p.61.
- Englin, R. K., Malkes, L. I. A., Kovalenko, N. P. - Luminescence testing of through holes in fiberglass boats. p.69.
- Bhler, G. A. - Solution of the problem of establishment of a longitudinal magnetic field in a pulsating conductor. p.73.
- Kremnev, N. D. - Developing machine for automatic photoprocessing of an X-ray film. p.75.
- Belin, I. P., Pozina, M. I., Shelkov, L. S. - Using radiolotope sources in measuring the thickness of protective coatings. p.78.
- *GEODEZIYA I KARTOGRAFIYA [GEODESY AND CARTOGRAPHY] Organ of Glavnoe upravlenie geodezii i kartografii Gosudarstvennogo geologicheskogo komiteta SSSR [Main Administration of Geodesy and Cartography of the State Geological Committee of the U.S.S.R.]. Moscow, no.13, Nov. 1966.
- Table of contents translated:
- Raiso the level of the organization of socialist competition. p.3.
- Andovskii, I. I. - Relationship between the coefficient of vertical refraction and absolute altitude of the earth's surface; based on observations carried out in Eastern Siberia. p.7.
- Netelakht, S. S. - Altitude measurement using central clock system. p.11.
- Kizikov, I. A. - Potentialities of EOD-1 geodimeter. p.12.
- Kondrashkov, A. V. - Interference of linearly polarized light transmitted through three birefringent plates. p.16.
- Iudin, A. D. - Using electronic computers for triangulation adjustment. p.19.
- Pulchov, I. V. - Simultaneous erection of two trusses of signal towers. p.21.
- Abramov, M. S. - Prospective trends in the construction of survey marks. p.24.
- Zalozhina, N. N. - Calculation of the accuracy of leveling in the construction of drainage systems. p.25.
- Bronskikh, G. S., Vialov, I. V. - Control of the layout of a building site. p.28.
- Khryunov, L. S. - Theory of PP-2K planimeter. p.30.
- Abramov, V. I. - New equipment for measuring angles. p.32.
- Sergeeva, K. S. - Certain problems of the use of SD-3 and USD-1 stereographs for processing aerial photographs. p.36.
- Kozlovskiy, N. A. - Results of using SPR-2 stereoprojectors in photogrammetric bridging. p.40.
- Kushin, I. F. - Photogrammetric refraction. p.45.
- Afremov, V. G., and others - Deformations of emulsion layers on photographic plates. p.52.
- Timoshov, G. N. - Experience in marking control points in forests. p.58.
- Vasmut, A. S. - Economic effectiveness of introducing automation into cartographic work. p.60.
- Amiantov, L. N. - Translation of azimuthal map projections. p.63.
- Nikol'shchikov, M. I. - Agricultural atlas of western provinces of the Ukrainian S.S.R. p.69.
- Klitskiy, I. E. - Characteristics of the preparation for printing of the introductory map from the atlas of Antarctica. p.70.
- No. 4, Apr. 1967.
- Table of contents translated:
- In honor of the 50th anniversary of the Great October Socialist Revolution. p.3.
- Egorov, L. P. - Activity of the all-Union school of progressive practice for workers employed in topographical surveying enterprises. p.5.
- Chernovskiy, O. V. - Precision in determining longitude using contact micrometer. p.6.
- Lashmanov, D. V. - From the experience of comprehensive work. p.10.
- Gavrilov, F. N. - Using slings for holding signals. p.12.
- Lovchuk, G. P., Frolova, I. U. N. - Precision of collimator measuring method. p.14.
- Plakshin, A. K., and others - Testing AD-1 length measuring device. p.17.
- Roev, I. D., Velichko, V. A., Snegirev, L. M. - Using SMDI stereobarograph in place of profilograph. p.19.
- Supplementary requirements for 1:10000 topographic maps made on requests of the Ministry of Land Reclamation and Water Management of the U.S.S.R. p.22.
- Drozdo, V. I. - Selecting and marking planimetric control points. p.25.
- Romanovskiy, G. V., Fil'chagin, N. M. - Adjusting aerial photogrammetric nets with recordings of altimeter, radar altimeter, and radio station. p.28.
- Aimazov, I. V. - Automatic extension of fore-and-aft overlap of aerial photographs. p.42.
- Mikhailov, V. I. A. - Problem of microfilming in cartographogeodetic work. p.48.
- Polezhaev, A. P. - National Council of Cartographers of the U.S.S.R. in 1966. p.51.
- Lutyl, A. A. - Maps of industries in comprehensive regional atlases of the U.S.S.R. p.53.
- Pravotorov, R. M. - Maps of river discharge resources available to population. p.59.
- Shiryaev, E. E. - Stereoscopic effect of relief on maps. p.62.
- Volostnova, M. B. - Place-name spelling on large-scale maps. p.65.
- Vasmut, A. S. - Results of the All-Union Conference on Problems of Automation and Mechanization in Cartography. p.68.
- Terekhov, N. M. - Production and management activities of Scientific Map-Editing Department. p.70.
- Khryunov, L. S. - Method for compiling profiles of line structures. p.72.
- Kusov, V. S. - Conference on barometric altimetry. p.76.
- No. 5, May 1967.
- Table of contents translated:
- Socialist obligations of engineers, technicians, and employees of enterprises and factories of the Main Administration of Geodesy and Cartography on the eve of the 50th anniversary of the Great October Socialist Revolution. p.3.
- Lysuk, V. N. - Business accounting in cartographic enterprises and means for improving it. p.5.
- Zlotin, V. V. - Precision of field radar-range finder measurements in northern regions. p.13.
- Volkov, I. U. K. - Experience in using EOD-1 geodimeter in base measurement. p.22.
- Balandin, S. A., and others - ST-64 geodimeter in city traverse surveying. p.24.
- Kennits, I. U. V. - Calculating weighted measurements taking into account systematic errors. p.26.
- Dvorkin, S. M. - Adjustment of trilateration net. p.29.
- Kuznetsov, P. N. - Field tests of TS theodolite. p.35.
- Eychenko, S. E. - Determination of refraction coefficient in the region of the Arctic Circle. p.37.
- Vtrovskiy, I. B. - Standard angle polygon of the Central Scientific Research Institute of Geodesy, Aerial Surveying, and Cartography. p.41.
- Blumov, M. A., Kiselev, V. V. - Organization and methodology of topographical map revision. p.45.
- Nikolova, E. - Practical aerial photogrammetric scale for making 1:5000 topographical maps using the universal method. p.51.
- Lovchuk, G. P., Arzhinov, E. P., Vasil'ev, L. N. - Surveying and photogrammetry in Finland. p.60.
- Skopintsev, I. U. A. - Atlas of highways of the U.S.S.R. p.64.
- Bukhgal'ts, O. E. - Atlas of the United States. p.66.
- Pavlovskiy, V. P. - Physical education of geodesy students. p.71.
- INFORMATIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, vol.28, no.2, 1967.
- INZHENERNAYA GEODEZIYA [SURVEYING]. Kiev, no.1, 1965.
- Table of contents translated:
- Vladov, N. G. - Using method of sequential analysis for calculating accuracy of geodetic measurements. p.5.
- Antonukhchenko, V. F. - Calculating coefficients of conditional equations in trilateration nets. p.14.
- Orel, N. N. - Conversion of matrix of normal equations. p.17.
- Orel, N. N. - Triangulation adjustment by means of triangular matrices. p.20.
- Ostrovskiy, A. L. - Program for angle measurement in traversing using geodimeter and radio range measurements. p.24.
- Serdukov, V. M. - Using radar altimeter for reducing nets of graphic phototriangulation. p.30.
- Mozzhukhin, O. A. - Using range thermopyschrometer in radio geodetic measurements. p.34.
- Mozzhukhin, O. A. - Effect of random atmospheric heterogeneities on accuracy of radio geodetic measurements. p.42.
- Sheverdin, P. G. - Determining horizontal displacement of points in repeated observations. p.43.
- Grigorenko, A. G. - Possibility of using Relevo-Tsuzvitz inclinometer for investigating crustal microshifts. p.53.
- Grigorenko, A. G. - Considering datum change when observing crustal microshifts. p.56.
- Korduk, L. I., Iakobson, A. M. - Determining stability of industrial structures. p.62.
- Bolgov, I. F. - Distribution and stabilization of points on building sites of hydraulic structures. p.71.
- Lebed', N. I. - Investigation of small topographical ST-62 geodimeter for purposes of engineering geology studies. p.77.
- Shipulin, V. D. - New type of wall traverse points. p.80.
- Nazarchuk, A. A. - Determining permissible time intervals between micrometer readings when taking measurements of hydrostatic apparatus. p.85.
- Kavunels, D. N. - Accuracy in surveying work in sewer system construction. p.89.
- Baran, P. I. - Intersection as a means for stabilizing points in walls of buildings. p.93.
- Baran, P. I. - Alignment method for plotting city surface leveling. p.100.
- Kislly, I. M. - Investigating accuracy in horizontal line tracing. p.103.
- Serdukov, V. M. - Calculating optimum conditions of bases in phototheodolite surveying. p.108.
- *INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiya Nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.12, no.4, Apr. 1967.
- Table of contents translated:
- Dul'nev, G. N., Zaitchuk, I. U. P. - Heat conduction of multicomponent mixtures. p.419.
- Mikhailchenko, R. S., and others - Experimental study of the heat conductivity of laminar multilayered insulations. p.420.
- Novikov, P. A., Smol'skii, B. M. - Study of the effect of mass transfer on heat transfer in the case of a limitation in a rarefied gaseous medium for a free flow. p.433.
- Lemberskiy, V. B., Khubakhsheva, I. M. - Experimental study of the development of turbulent heat structurally viscous fluids. p.440.
- Raspopov, B. M. - Control of some transfer processes. p.444.
- Smyshlavin, P. P. - Approximate solutions to the heat conduction equation for a two-layer plate with sublimation of the material on the outer surface. p.451.
- Iushkov, P. P., Geinis, R. G. - Duration of the freezing of a plate. p.460.
- Ainola, L. A. - Variational principles for problems of nonsteady-state heat conduction. p.465.
- Tyniarev, E. M. - Calculating the wall temperatures of heat-exchanger tubes with the aid of an electronic digital computer. p.469.
- Plat, Sh. N. - Space temperature field of a finitely growing semi-infinite rod with heat generation. p.474.
- Meerovich, I. G. - Temperature fields in multilayer systems with variable thermophysical properties. p.484.
- Falkin, G. M. - Approximate simulation of a heat exchanger with distributed parameters. p.491.
- Olodovskiy, P. P. - Density distribution of adsorbed water in disperse media. p.496.
- Pavlov, P. A., Skripov, V. P. - Vapor generation in pulse heating of liquids. p.503.
- Mukoset, V. I., Kholits, L. I., Dzhangatpantun, H. V. - Mathematical simulation of apparatus simulating a fluidized bed. p.508.
- Klimenko, V. V., Akoplan, L. A., Planovskiy, A. N. - Particle velocity in a fluidized bed. p.515.
- Vasanova, L. K., Shumanskii, I. U. N., Shukhin, D. A. - Calculating the process of periodic cooling of a fluidized bed. p.523.
- Platkov, I. P. - Selection of optimum conditions of radiative heating of grain by infrared rays. p.526.
- Aksel'rud, G. A., Shapovalov, O. M., Slavyanskii, G. L. - Nonsteady-state mass transfer in the system solid-liquid. p.532.
- Ivashkevich, A. A. - Effect of adjacent vapor generation sections of a channel on the intensity of the convective heat flux in forced liquid flow in channels. p.535.
- Sovershenniy, V. D. - Engineering formulas for friction on a permeable surface in turbulent gas flow. p.538.
- Ravin, V. S. - Effective boundary conditions in a steady-state heat conduction problems. p.540.
- IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM i Tsentral'nyi sovot pionerskikh organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin] and the Central Council of the Lenin Pioneer. Moscow, vol.11, no.6, June 1967.
- IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoyuznoye obshchestvo izobretatelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no.11(243), Nov. 1966.
- Table of contents translated:
- Fund of innovators. p.2.

- Muslin, E. - Sugar in oil tanks. p. 4.
 Iarov, R. - Stalling at any frost. p. 6.
 Molchanov, I. - Simple as a wheel. p. 7.
 Your tools. p. 9.
 Romanov, I.A. - Transistorized motor-vehicle checker. p. 12.
 Notebook of the technologists of "Izobretatel' i Raspolozhivatel'". p. 13.
 Zholondkovskii, O. - Heat exchanger made of a heat insulator. p. 14.
 Nokin, L., Kur, G., Aronshtein, N. - Air shapes cores. p. 16.
 Iusupov, A.N. - Machinery industry prevented. p. 16.
 Concealed-achieved. p. 17.
 Stroganov, A. - Very good, Lithuania. p. 19.
 Porudiminskii, I. - Useless invention. pp. 22, 30.
 Participants in the fight Henry Ford. p. 23.
 Advertising board. p. 26.
 For the village. p. 29.
 Vehicle on rubber paws. p. 30.
 Sashin, A. - Telephone can be improved. p. 31.
 Suggestions for modelmakers. p. 32.
 Who has created the Morse code. p. 33.
 Pleshakov, M. - Actual causes for your claims. p. 34.
 Ovechinnikov, V., Bogoslovskii, S. - Stimuli of inventions. p. 35.
 Pavlova, N. - News from the All-Union Society of Inventors and Innovators. p. 36.
 Gavrilov, L. P. - Reward for irreproachable appearance. p. 37.
 Readers' letters. p. 38.
- No. 3(247), 1967.
 Table of contents translated:
 Sokol'skii, Zh. - International market of technological ideas. p. 1.
 Bogachev, V. - Estonia in "mechanical engineering." p. 6.
 Pavlov, V. - Hardening without complications. p. 8.
 Muslin, E. - Controllable powder. p. 10.
 Bocharnikov, V. - Gable of seekers and losers. p. 13.
 Difficulties of patenting. p. 14.
 Bagriev, R. - Electric wiring in the solo. pp. 25, 28.
 Belinskii, A. - Organization of talents. p. 26.
 Mikhlin, D., Protserov, A. - Construction of houses with charged particles. p. 20.
 Nyrkova, N. - Beauty does not need sacrifices. p. 32.
 Sashin, A. - Water machine gun. p. 34.
 Shukht, Vdima. - Transformer of direct current. p. 35.
 Stroganov, A. - Instruments for business correspondence. p. 36.
 Shaglin, M. - Detached house for the queen bee. p. 38.
- No. 4(249), 1967.
 Table of contents translated:
 Arutunian, G. T. - Starting the five-year plan with innovations. p. 5.
 Pral'nikova, I. - First man to substitute the heart. p. 6.
 Ostianov, V. - Drawing in space. p. 10.
 Mausovich, I.A. - Slowest engine. p. 14.
 Puzikov, I.U. - Concrete in an lion esophagus. p. 15.
 Gribanov, A. - Guba, the cook. p. 18.
 Borin, A. - Through the head. p. 20.
 Tum, L. - Pooling for the club. p. 21.
 Sergeev, E. - Sound mirage. p. 24.
 Bogatyrev, V. - He or she? p. 26.
 Grachev, A., Avdykovich, O. - Where to go on a business trip. p. 28.
 Smirnov, Geiman - Thorneroff, the son of a sculptor. p. 30.
 Stobakov, S. - Inventions and algorithms. p. 34.
 Shukhtmazarian, R. - "Organikon." p. 36.
 Sashin, A. - Sea wave as a chimney sweeper. p. 30.
- *IZOBRETIENIA, PROMYSHLENNYE OBRATZTSY, TOVARNYE ZNAKI (INVENTIONS, INDUSTRIAL SAMPLES, TRADEMARKS). Issued by Komitet po delam izobretenii i otkryti pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 44, no. 12, 1967.
- KONTROL'NO-IZMERITEL'NAIA TEKHNIKA [TESTING AND MEASURING EQUIPMENT]. Lvov, no. 3, 1968.
 Table of contents translated:
 Kaduk, B. G., Kashiev, V. P., Skripnik, I. A. - Increase of the accuracy of spectrum analyzers using orthogonal converters. p. 3.
 Karpenko, V. P. - Analysis of the accuracy of double bridge circuits with rigid inductive coupling between the arms. p. 11.
 Karpenko, V. P. - Analysis of the convergence of a c. bridge circuits taking into account stray parameters. p. 17.
 Skripnik, V. I., Skripnik, I. A. - Effect of the inequality of amplitudes on the accuracy of null indicators of antiphase (cophasor). p. 22.
 Ballas, I. N., Kirianaki, N. V. - Synthesis of optimal decoding networks for standard time devices and TF-type projection digital indicators. p. 28.
 Ballas, I. N., Kirianaki, N. V. - Synthesis of optimal switching decoder networks of IN-type digital indicators for devices with reference time measurement. p. 36.
- Lukashchuk, L. A., Shul'ga, A. N. - Analysis of errors of a digital differential analyzer with sequential operation. p. 42.
 Lukashchuk, L. A. - Interrelationship of errors and scales of variables in the solution of ordinary differential equations on digital differential analyzers. p. 45.
 Shvetitskii, B. I., Iuzovich, I. U. V., Taranov, G. V. - Analysis of errors of a transistorized voltage-to-frequency converter. p. 49.
 Bodnov, V. P., Shramkov, A. I. A. - Frequency errors of rectifying devices with transformers. p. 53.
 Andrusiak, S. A., and others. - Methods for adjusting the resistors of DN-82 voltage divider, determination of division factors and their errors. p. 58.
 Kochan, V. A., Shmorgun, E. I. - Measurement of resistors using a substitution technique. p. 67.
 Kudol'ko, I. B. - Experimental determination of temperature corrections for d.c. bridges. p. 74.
 Bridge for determining distance to cable insulation disruption. p. 78.
 Litvinov, B. I., Tsipal, I. I. - Use of an impedance transformation method in the measurement of non-electrical quantities by capacitance transducers. p. 83.
 Golemba, V. A. - Temperature transducer with frequency output. p. 88.
 Kotova, V. G., Nonchay, G. K. - Contactless measurement of the speed of moving metal. p. 93.
 Galvonskii, I. A. S., and others. - Study of silicon photodiodes as sensors for pyrometers. p. 99.
 Khrtzman, F. S. - Switching network of the automatic system of a differential calorimeter. p. 105.
 Kov, V. M., Silitskii, I. U. I. - Measurement of the volume change of a mass using a heated thermoelectric transducer. p. 110.
 Dunets, V. B. - Automatic check of the acid number during paraffin oxidation. p. 114.
 Mokryi, E. N., Pirig, I. A. N., Tolopko, D. K. - Increasing accuracy in quantitative determination of the components of a complex mixture using the KHL-3 chromatograph. p. 118.
 Dub, I. A. T., Shkurchenko, V. L. - Dynamic characteristics of piezoelectric systems for measuring liquid levels. p. 123.
 Shkurchenko, V. L. - Measurement of expenditure using slot-type flow meters with rectangular measuring slots. p. 129.
- LENINGRAD, POLITEKHINICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE, Transactions]. No. 260, 1968. Mechanics and management processes.
 Table of contents translated:
 Andreev, L. N., Troitskii, V. A. - Calculating vibrations of composite elastic systems by the method of dynamic rigidities. p. 7.
 Guretskii, V. V. - Determining optimum parameters on shock absorbers. p. 17.
 Smukin, I. U. N. - Settling up the problem of vibration analysis of rod systems. p. 21.
 Troitskii, Z. V. - Some problems in damping gyroscopic instruments. p. 33.
 Florina, N. V., Chelpanov, I. B. - Slipping of a disc on an elastic foundation under the action of a random force. p. 43.
 Indukov, T. V. - Bending of a tapered shell under the action of a random axisymmetric load. p. 49.
 Grudov, I. U. A., Prokopov, V. K. - Applying homogeneous solutions to the problem of the bending of a bracket plate. p. 54.
 Isptov, I. U. G. - Calculating the rigidity of the reinforcement of a mine shaft. p. 64.
 Sankin, I. U. N., Fridman, V. M., Shlenov, V. D. - Determining the spectrum of natural frequencies of the foundation of a steam-turbine unit. p. 75.
 Fridman, V. M., Shkoda, G. V. - Modified Galerkin-Ritz method in the hydrodynamic theory of lubrication. p. 82.
 Shlenov, V. D. - Electronic digital computers and the dynamics of topologically complex structures. p. 89.
 Babitskii, Z. - Changing the basis of state space in investigating the stability of discrete control systems. p. 99.
 Gil'bo, E. P., Chelpanov, I. B. - Optimum nonlinear conversion of the signal of a device with an ambiguous scale. p. 107.
 Pervozvanskii, A. A. - A problem in the synthesis of optimum control for a discrete linear object. p. 113.
 Khenin, I. U. N., Chelpanov, I. B. - Optimum conversion of a signal in an airo-inertial system. p. 119.
- No. 278, 1967.
 Table of contents translated:
 Borodulina, L. K., and others. - Effect of the composition of wood cellulose on its dielectric properties. p. 3.
 Borodulina, L. K., Morozova, M. N., Renne, V. T. - Effect of anions on the electric properties of dielectric paper. p. 10.
 Gulaeva, L. M., Gurevich, L. I., Renne, V. T. - Cyanooxyethylened electrical insulation paper. p. 18.
 Kostenko, E. M. - Study of the electrical characteristics of some heat-resistant synthetic films used in the manufacture of condensers. p. 21.
- Baryshev, R. S., and others. - Study of the role of discharges in the aging process of polymeric films in a constant electrical field. p. 26.
 Kolkov, S. N., and others. - Change in the infrared spectra in the ionization of polymeric films. p. 32.
 Ponomarenko, E. D. - Electrical and moisture characteristics of epoxy compounds with fillers. p. 39.
 Ponomarev, L. T., Stavrovetskii, N. V., Tilova, E. I. - New insulating lacquers and lacquer fibers. p. 45.
 Egorova, L. N., Kaniskin, V. A. - Vortex spraying of powdered plastic dielectrics on metal components. p. 51.
 Aleksandrova, L. I., Sobolev, V. V. - Sorption of moisture by organic insulating materials. p. 57.
 Kunin, V. I. A., Tsikin, A. N., Shaktirov, A. - Electrical aging of polycrystalline barium titanate in a constant electrical field. p. 66.
 Bondarenko, P. N. - Measuring unit for studying the electrical properties of liquid dielectrics. p. 70.
 Kolkov, S. N., Platonov, M. P., Fomin, V. A. - Laboratory methods for studying laws governing electrical aging of polymeric film dielectrics. p. 78.
 Sota, G. P. - Methods for determining the longitudinal discharge strength of electrical cardboard. p. 84.
 Kuchinskii, G. S. - Dependence of the intensity of initial partial discharges on the potential. p. 91.
 Kaplan, D. A., Kontorovich, A. M. - Electrical characteristics of oil-saturated paper dielectric during superposition of lateral overvoltage impulses on a direct voltage. p. 100.
 Kaplan, D. A., Kontorovich, A. M. - Partial discharges in oil saturated paper insulation during internal overvoltages. p. 108.
 Vakeer, B. D. - Internal sliding discharges in solid multilayer insulation of electrical machines. p. 115.
 Gavrilov, A. V., Gel'man, M. Z., Rjabov, B. M. - Electrical characteristics of paper epoxy resin insulation. p. 124.
 Aleksandrov, V. V., and others. - Study of electrical strength of glass escapement insulation. p. 130.
 Vainshtein, M. Z., Kozirev, N. A., Fedorin, E. I. - Electrical strength of the main insulation of the armature windings of traction motors in different stages of manufacture. p. 135.
 Polozova, V. P. - Use of vacuum in the saturation windings. p. 141.
 Gordeev, G. M., Perfilov, A. N. - Study of pre-breakdown processes in polyethylene high-voltage cable insulation. p. 148.
 Malkin, Kh. R. - Terminal connecting sleeves of high-voltage cables. p. 153.
 Kuz'mina, V. S., and others. - Study of saturating epoxy resins used in the manufacture of condensers by the "Tesla" Company in Czechoslovakia. p. 162.
 Litvinova, E. L. - Impulse-type low-inductance film capacitors with high Q value. p. 169.
- No. 277, 1967. Electron physics.
 Table of contents translated:
 Kirsanova, T. S., Lednev, V. A. - Schottky effect on barium oxide on a molybdenum backing. p. 3.
 Slavovskaya, S. E., Aze'eva, I. S. - Photoemissivity of BaSb₂. p. 9.
 Kaplisa, M. L., Nemchenok, R. L., Valyagina, M. A. - Use of the three-electrode spherical capacitor method in studying the photoemissive effect in adsorption systems. p. 12.
 Ganchev, D. A., Su-Shul-chun' (Su Hsu-ch'un). - Angular dependence of secondary electron emission at low energies of the primary electrons. p. 15.
 Bazhanova, N. P., Kuprianov, A. S. - Effect of heating on the secondary electron emission from the systems BaO-W and BaO-Mo at low energies of the primary electrons. p. 21.
 Kanichev, I. R., Barzdo, B. F. - Effect of reflected electrons in the secondary electron emission from copper. p. 29.
 Perelman, T. M., Utkin, K. G. - Use of the simulation method in studying the effect of a space charge in an electronic multiplier. p. 34.
 Borisev, V. L. - Temperature dependence of the coefficient of secondary electron emission for

- Abrolan, I. A., Lavrov, V. P. - Ion-electron emission from alkali halide single crystals. p. 93
- Abrolan, I. A., Lavrov, V. P. - Ion-ion emission from alkali halide single crystals. p. 102
- Dorozhkin, A. A. - Ion-electron emission from certain metals under bombardment by positive hydrogen ions. p. 105
- Kondrashov, A. I., Petrov, N. N. - Electron emission from alkali halide single crystals induced by He⁺, Ne⁺, and Ar⁺ ions. p. 108
- Zarutskii, E. M. - Studying the injection of ions by the method of shooting through thin films. p. 114
- Zarutskii, E. M., Rink, V. E. - Penetration of lithium and sodium ions into gold. p. 115
- Abrolan, I. A., Abrolan, M. A. - Decrease of the radiative conductivity of germanium due to ion bombardment and its practical uses. p. 121
- Makarov, V. V., Petrov, N. N. - Effect of ion bombardment on the luminescent properties of 15 R SiC. p. 124
- Zarutskii, E. M., Lepeshinskaya, V. N. - Unit for mass-spectrometric analysis of charged particles having passed through thin films. p. 131
- Abrolan, I. A. - Some uses of ionic processes. p. 135
- Abrolan, I. A., Bellakov, V. S., Titov, A. I. - Effect of adsorption on the photoconductivity of germanium. Detection of molecular beams. p. 140
- Sominskii, G. G., Kirsanov, S. F. - Studying the end current in a magnetron. p. 143
- Peichanok, T. M., Rusov, V. M., Fridrikhov, S. A. - Characteristic features of a gas laser operating on a He-Ne mixture under varying conditions of pumping. p. 151
- No. 278, 1987. Strength of materials and structures. Table of contents translated
- Zakharov, K. V. - Experimental investigation of the strength of anisotropic plastics in two-dimensional stressed state. p. 3
- Zakharov, K. V. - Effect of the direction of tests on the stressed state of specimens of anisotropic plastics. p. 8
- Vas'kov, B. S. - Some problems in the creep of polyethylene pipes. p. 13
- Ivanov, V. A. - Investigating deformations of rods made of a viscoelastic plastic material and subjected to a longitudinal impact. p. 20
- Ivanov, V. A. - Theory of the propagation of stress waves in a semi-infinite viscoelastic rod. p. 24
- Elsuf'ev, S. A. - Plastic deformations caused by combined loading. p. 28
- Dobrev, L. S., Elsuf'ev, S. A. - Studying the degree of isotropy and uniformity of plastic properties of a material. p. 32
- Sozonov, I. A. - Variation of elastic modules of copper and nickel in the process of plastic deformation. p. 35
- Kovalov, K. F. - Criterion for the evaluation of Bauschinger effect. p. 38
- Pavlov, P. A. - Ultimate resistance of specimens of steel 45 subjected to alternating tension with a minor coefficient of cycle asymmetry. p. 42
- Kondakova, O. N. - Carrying capacity of welded junction of a thin-walled tank consisting of cylindrical and cone parts. p. 47
- Iagn, M. L., Parshin, L. K. - Experimental study of the stability of rod subjected to compression by a follow-up force. p. 52
- Pavlov, P. A. - Breakdown of flanged joints of pipes under the action of a variable tensile force. p. 55
- Parshin, L. K. - Stability of a rod fixed on one end and elastically clamped on the other under the action of a follow-up force. p. 63
- Iagn, M. L., Grebnev, L. V. - Effect of the turn of main stress axes on the resistance of a metal to plastic deformation and fracture. p. 66
- Gokhberg, M. M., Iushkevich, V. N. - Fatigue resistance of some machinery steels. p. 70
- MOSCOW GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT NAUCHNOI I TEKHNIЧЕСKOI INFORMATSII (STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION). Bulletin of Technical and Economic Information. Vol. 20, no. 5, May 1987
- Table of contents translated:
- Sheshtakov, V. A., Koroleva, K. I. - Chemical cleaning of water pipes in circulating water supply systems. p. 3
- Popov, V. M., and others. - Increasing heat conductivity of glued joints. p. 4
- Krasnichenko, L. V., Ter-Daniel'yana, B. I. - Increasing the strength of cohesion and the coefficient of metal utilization in electric metallization. p. 5
- Aleksandrov, D. N. - Preventing lateral fractures of pipelines in shifting soils. p. 6
- Korneev, N. I., and others. - Producing sheets and foil from tungsten alloys. p. 8
- Riabinskii, A. N. - Scouring metallic articles with triethanolamine. p. 9
- Sakharov, M. D. - New technology for mass production of frame structures. p. 10
- Gendler, A. Kh., Keitel'man, V. N. - Using cold-hardening plastics in friction units of machinery. p. 12
- Rogachev, V. I. - Replacing bronze in sliding bearings by compressed wood. p. 13
- Sokolov, V. K. - Using epoxy glues. p. 14
- Andreeva, V. V., and others. - New corrosion-resistant zirconium-tantalum alloys. p. 14
- Chekov, I. M. - Tapered baths for the electroplating of parts. p. 16
- Berlovskii, V. M. - Standard complete units for automatic control of compressor units. p. 17
- Maliukov, B. L., Bellakov, A. A. - Overall mechanization of the conveying and removing of shavings and sawdust. p. 18
- Mil'ner, T. S. I., Buriak, A. I., Shegolev, A. I. - Remote control of artesian wells. p. 19
- Znamenski, I. L. - Finishing operation on a paintshop conveyor. p. 20
- Simonov, V. F. - Charging valve with a safety device. p. 21
- Venger, E. P., Kats, R. G. - Quick-removal pipe fittings. p. 23
- Sobol', M. L., D'yakonov, V. E. - Convection-radiation air heater. p. 24
- Klimentov, I. M., Kanatchikov, V. M. - Unit for heating bitumen. p. 26
- Pichko, A. S. - Improving the design of units of shod-pegging devices. p. 26
- Pas'ko, I. U. E. - Sprinkling unit. p. 28
- Khamzin, V. K. - New unit for washing parts. p. 29
- Burov, R. A., Basmanov, P. I. - Filters for super-fine and fine purification of gases from aerosols. p. 30
- Medvedev, A. P. - Vertical bath for hot zinc plating. p. 33
- Orlov, G. D. - Machine for lateral cutting of paper. p. 34
- Pishechik, E. I. - The TSShCh-1 circular-saw bench assembling boards. p. 35
- Iul'ev, V. M. - Regulating temperature conditions inside a ball mill. p. 36
- Dokov, V. V. - Unit for testing pressure pickups. p. 37
- Surzhko, O. I., Zelenov, A. B. - The BPR noncontact semiconductor regulator. p. 38
- Sivukhin, A. G., Mochalov, B. V. - Portable luminescence defectoscope. p. 39
- Brudno, F. I., Likhacheva, G. N. - Using the "Minsk-22" electronic computer in accounting for labor and wages. p. 40
- Karpov, L. D. - Economic analysis and means of mechanization of the operations of production quality control. p. 42
- Osipov, I. A. - Selective weighing of production. p. 45
- Belov, N. I., Novoselov, A. I. - Prolonging the life of working drawings. p. 46
- Davydov, V. F. - Sectional vitrified partitions. p. 47
- Safonov, A. I. - Dump trucks. p. 49
- Tlukov, G. P. - Unit for conveying devices. p. 51
- MOSCOW, VSESOIUZNYI ZAOCHNYI POLITEKHNIЧЕСKII INSTITUT (Soviet Union Correspondence Polytechnical Institute). Papers. No. 30, 1988. Collected studies on the philosophy of Marxism-Leninism.
- Table of contents translated:
- Golikov, A. - Contradictions of the socialist mode of production. p. 3
- Dobrytna, V. J. - Free time of young Soviet workers during the large-scale building of communism. p. 31
- Nagibina, N. V. - The party control of government-owned enterprises is an important step toward the development of socialist democracy. p. 48
- Aladzhikov, V. B. - Some theoretical problems concerning the amalgamation of socialist peoples and nationalities. p. 66
- Borodikhina, E. I. - Correlation between the class and common to mankind characteristics of morality. p. 100
- Charskikh, I. N. - Soviet studies devoted to the problem of the gnosological roots of religion. p. 122
- Nachenskaya, N. I. - Some problems concerning the struggle of the Soviet public for the communist way of life. p. 138
- NAUKA I TEKHNIKA V GORODSKOM KHOZIAISTVE (SCIENCE AND TECHNOLOGY IN THE MUNICIPAL ECONOMY). Issued by Nauchno-issledovatel'skii i konstruktorsko-tekhnologicheskii institut gorodskogo khoziaistva [Scientific Research, Design and Technological Institute of the Municipal Economy]. Kiev, no. 6, 1988
- Table of contents translated:
- Protsenko, R. D., Karalans, S. P., Osvetinskii, V. A. - Using null sequence channel for transmitting remote control signals through 10kv municipal power distribution networks. p. 3
- Tozoni, O. V., Petrusenko, E. I. - Examples of field calculations in a c. magnetic systems. p. 10
- Kokhanovskii, I. N. - Boundary value problems of cathodic protection of metal structures. p. 18
- Lisitsyn, D. M. - Calculation of reinforced concrete slabs for precast pavements of city streets. p. 26
- Minaev-Tsitkanovskii, V. A., Kabakov, V. M. - Selecting and operating system for vacuum drying and pressing rollers and determining their efficiency. p. 34
- Rubisov, L. I., Atamanuk, I. U. A., Kolybina, I. U. A. - Afforestation of suburban areas. p. 41
- Dmitriyev, G. V. - Chemical control of cryobiologic sucking pests of landscape plants. p. 47
- Kakuevitskii, V. A., Abelev, Z. A., Martynenko, E. S. - Repairing parts of rear axles and cardan drives of tractors. p. 56
- Fish, M. L., Bogomaz, A. S. - Soliton-type integrators. p. 64
- Vorkut, A. I. - Selecting efficient organizational form for mass transportation of small consignments. p. 71
- Sorokdn, V. A. - Intercycle work synchronization of operators of TO-1 motor vehicle continuous lines. p. 80
- Babul'skii, P. I. A., Zubalina, A. P. - Norm indices of servicing of the population of the Ukrainian S.S.R. by municipal transportation means. p. 87
- Bugaev, V. A. - Means for lengthening the life of series 1-480 large-panel residential buildings. p. 98
- Artemchuk, V. I. - Methodology of determining the degree of modernization of residential buildings in Ukrainian cities. p. 103
- Slesareva, N. I. - Effect of the structure of concrete on its crack resistance. p. 109
- Guzhavyina, E. T., Popova, I. N. - Kinetics of hardening of glass and perlite building materials. p. 122
- Stepanenko, G. P. - New data on designing slopes in city street construction. p. 128
- Kononov, L. V. - Indices of certain filtering stations purifying Dnieper water. p. 135
- Shakhov, A. I., Dushkin, S. S. - Using magnetic treatment of water for improving its purification in clarifiers with a layer of suspended matter. p. 147
- Besan, V. S. - Comparing the operation of water-supply line and model purification installations. p. 155
- Piven', K. Z. - Determining the capacity of aerators of pneumatic water-supply lines. p. 165
- Badnev, N. P., Markov, S. A. - Effect of rated pressure drop on metal consumption and cost of the construction of urban gas-supply systems. p. 176
- Grubskii, C. V. - Increasing the efficiency in the use of air conditioners. p. 180
- NOVYE KNIGI ZA RUBEZHOM. Seriya B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology]. Publishing by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. II, no. 6, June 1987.
- *PMTF, zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF: Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Mar.-Apr. 1987
- Table of contents translated:
- Onufriev, A. T. - Theory of the motion of a vortical ring by the force of gravity. Rise of an atomic cloud. p. 3
- Zaslavskii, G. M. - Stochastic instability of nonlinear vibrations. p. 16
- Lipercovskii, V. A. - Role of the breakup of Langmuir waves into ionosonic waves in the interaction between an electron beam and a nonisothermal plasma. p. 23
- Riabinskii, A. G., Khoshalov, A. I. - Nonsteady flow of a conducting liquid in the channel of a magnetohydrodynamic generator assuming a constant flow rate and allowing for the effect of side walls. p. 31
- Klimontovich, I. U. L., Logvinov, V. V. - Steady-state solutions to equations of quasi-linear approximation in a plasma with collisions. p. 35
- Genkin, A. L., Kudriashova, L. A. - Nonsteady-state flow of an electrically conducting gas in mutually opposed electric and magnetic fields. p. 41
- Buevich, I. U. A., Safrai, V. M. - Viscosity of the liquid phase in disperse systems. p. 45
- Babukha, G. L., Shraiber, A. A. - Motion of polydisperse material in a vortical gas flow. p. 50
- Miasnikov, V. P. - Dynamic equations describing the motion of two-component systems. p. 58
- Gorodtsov, V. A. - Normal stresses in a viscoelastic liquid when its turbulent motions are slowing down. p. 68
- Cherepanov, G. P. - Strength of composites. p. 77
- Meskhov, S. I., Pachevskaya, G. N. - Determination of volume relaxation by the method of internal friction. p. 80
- Mar'iamov, A. N. - Use of a model of compressible liquid in calculating collisions of metal bodies. p. 83
- Vsevolodov, N. N., Novikov, N. P., Iudin, I. U. I. - Characteristics of the disintegration of transparent polymers by powerful light pulses at various temperatures. p. 86
- Denisov, I. U. N., Troshin, I. A. K. - Discrete character of structural changes in a gas detonation wave. p. 90
- Zavarzina, I. F., Skokov, I. V. - Experimental study of rarefied gas flow around a sphere. p. 93

- Bashkin, V.A. - Three-dimensional laminar boundary layer on the line of flow in conical external fluid motion in the presence or absence of sucking or injection of a homogeneous gas. p.97.
- Volchkov, E.P., and others. - Insulating cooling due to the injection of a foreign substance into a turbulent boundary layer. p.103.
- Voinov, A.K., Khapilova, N.S. - Experimental study of the flow of a thin liquid layer across the surface of a rotating cone. p.107.
- Petukhov, I.U. - Twisted hollow stream of an ideal fluid. p.110.
- Tobolskii, G.F. - Experimental study of the decomposition of a jet of viscous liquid surrounded by a gas flow. p.113.
- Kamzolov, V.N., Pirumov, U.G. - Calculation of a supersonic jet emerging from a plane-walled nozzle. p.117.
- Levin, V.A. - Motion of a charged gas filling a cylindrical cavity with an elliptic cross section of arbitrary shape. p.122.
- Pilipenko, V.A. - Shape of the boundary of a freely spreading plasma in a magnetic field. p.126.
- Syrovol, V.A. - Periodic electrostatic focusing of beams with elliptic cross section. p.127.
- Zaitsev, A.A., Leonov, G.S. - Use of the microwave method in studying moving striations. p.129.
- Kalmykov, B.M., Ryzhov, I.U. - Deformation of surfaces disintegrating under ion bombardment. p.132.
- Erofeev, A.I. - Exchange of energy and momentum between the atoms and molecules of a gas and the surface of a solid. p.135.
- Kuznetsov, N.M. - Emittance and the relation between the ion and electron temperatures in a optically transparent plasma. p.141.
- Adamovskii, V.I., Svorcheva, I.N., Shiokelev, L.S. - Critical thermal fluxes in boiling ethyl alcohol for flow rates between 50 and 115 m/sec. p.145.
- Novikov, I.I., Lagutina, L.M. - Experimental study of the speed of sound in saturated and superheated vapors of difluorochloromethane. p.147.
- Bershadskii, A.E. - A characteristics of the operation of a bubbling system subjected to vibrations. p.150.
- Vasil'ev, V.A. - Interaction of two water-carrying strata divided by a weakly permeable interlayer. p.152.
- Isakae, V.A. - Use of the statistical testing method in solving a problem involving spatial poreolation. p.155.

PRILADNAIA GEOMETRIIA I INZHENERNAIA GRAFIKA [APPLIED GEOMETRY AND ENGINEERING GRAPHICS]. Kiev, no. 3, 1966.

- Table of contents translated:
- Rusakovich, N.L. - Some problems affecting the transformation of a complex drawing without axis. p.3.
- Pasternak, D.N. - Subsidiary projecting on one plane in some systems of projections. p.11.
- Kachenjuk, A.N. - Subsidiary projecting by plane curves. p.17.
- Kobko, V.P. - Use of triple axial projecting in solving problems in descriptive geometry. p.23.
- Ivanchuk, A.G. - Use of centrally parallel congruences of plane curves on second-order surfaces in solving problems involving surfaces in orthogonal projections. p.31.
- Dlem, Nguyen Van - Study on quadratic transformations. p.39.
- Delousova, M.G. - Construction of axonometric projections of objects given in projections with numerical marks using the method of two rectangular coordinates. p.46.
- Nikolavskii, G.K. - Constructing a frame of reference in axonometry on curved axes. p.55.
- Gorlenko, V.S. - Constructing an architectural perspective on an inclined picture from an outline sketch. p.61.
- Mikhno, O.D. - Construction of panoramic images with the aid of photography. p.64.
- Trifonova, E.V. - Use of the method of geometrical loci in estimating the distortability of cinematographic pictures. p.72.
- Shvidenko, I.U. - Conjugation of nondevelopable surfaces. p.81.
- Antonov, E.K. - Role of kinematic surfaces in developing the shape of automobile bodies. p.87.
- Vasil'ev, B.V., Stalevskii, M.S., Vishnevskii, A.S. - Character of the intersection line of isomeric lenses surfaces of rotation with parallel axes. p.91.
- Kardashevskaya, I.U. - Applied problems affecting the bending of developable surfaces. p.96.
- Zaleskii, V.K. - Analytic approximation of the middle surface of blades of reversing hydraulic turbines. p.104.
- Pavlova, N.A., Dmitrenko, G.E. - Construction of six-dimensional geometrical complexes $K(4, 4)$. p.109.
- Kulikov, K.G. - Transformations of E.S. Fedorov's generalized projections. p.115.
- Gumen, N.S., Pavlov, A.V. - Relation between the elements of axonometric projection in rectangular n-dimensional axonometry. p.123.

PROFESSIOAL'NO-TEKHICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professioal'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U.S.S.R. for Vocational Technical Education]. Moscow, vol. 23, no.10(257), Oct 1966.

- Table of contents translated:
- Important and significant objectives. p.1.
- We remember the exhortations of the party. p.2.
- Uspenski, B. - We have heard the first ringing of the school bell. p.3.
- Aisenko, N. - Along the paths of their fathers and Soviet heroes. p.4.
- We should teach our students to be high-principled fighters. p.6.
- Public inspection of libraries. p.8.
- Abramov, I. - A study group of the secretaries of party organizations. p.8.
- Bogatyrev, N., Grigor'iants, R. - Sports and the profession. p.9.
- Ivokhina, T. - The power of public control. p.10.
- Luehn, S. - Concern for graduates. p.11.
- In the fields of the experimental farms of rural schools. p.12.
- Kryzhanovskii, K. - They learn to be skillful farmers this way. p.13.
- Makarov, M. - The K-700 tractor. p.14.
- Obshadko, B. - Experience in developing the technological thinking of students. p.17.
- TSyplakov, M. - The use of training machines in the training of linotype operators. p.20.
- Raisyn, I. - Demonstration of the magnetic pole in a ring-shape conductor. p.21.
- Barkov, A., Los', A. - Friendship among young builders. p.23.
- Tropp, I. - The man who built a city. p.24.
- Molisev, A., Kuznetsov, V. - Working occupations. p.25.
- Gan, V. - First steps of Soviet vocational schools. p.26.
- Bibliography. p.27.
- Baranov, P., Mordvinov, E. - Teachers should study the methodology of their subjects. p.28.
- Al'bertin, V. - Methodological study rooms in industrial enterprises. p.29.
- Puehkov, V. - Technical training of the employees of small enterprises. p.29.
- Koval'chuk, V., Malarenko, V. - There should be a well-developed system of vocational schools in the Krivoy Rog Basin. p.30.
- The Tenth All-Union Spartakiada. p.32.

Vol. 24, no. 3(262), Mar. 1967.

- Table of contents translated:
- Ischenko, D. - Vocational education in the Ukraine in the anniversary year. p.1.
- Danchenko, A. - Friendship of schools with their affiliated enterprises. p.3.
- Grinda, N. - Here they train qualified miners. p.5.
- Nagernyi, V., Blagman, D. - An industrial trust provides practical work experience in construction. p.6.
- Zelenin, M. - Scientific organization of work in the educational process. p.6.
- Uspenski, B. - Continuing our talk about girls as machinery operators. p.8.
- Ust'ian, A. - Socialist obligations in honor of the 50th anniversary of the October Revolution. p.10.
- Dubrovskii, Z. - Eternal memory for the heroes. p.11.
- Aleksandr, P. - A council of veterans. p.11.
- Arshavskii, N. - A comprehensive class of programmed instruction. p.12.
- Smirnov, G. - Visual teaching aids; experience and problems. p.14.
- Siarosel'skii, R. - Demonstration of faults in the sweep circuit of a television receiver. p.16.
- IAKub, N. - The "ten stop switch" stand. p.17.
- Rylov, M. - Division of the material into themes, sub-themes, and lessons. p.17.
- Vostrotin, M. - An urgent necessity. p.18.
- Zav'iatov, V. - Methodology of theoretical courses. p.18.
- In the State Committee for Vocational and Technical Education of the Council of Ministers of the U.S.S.R. p.20.
- Rybakova, A. - Students are making soil analyses in the laboratory. p.21.
- Teplakov, A. - Correct use of educational facilities. p.22.
- Ozumenko, V. - Permanent cadres of machinery operators. p.22.
- Eidel'man, I. - Use of technical teaching aids during lessons in social sciences. p.23.
- Lamm, A. - Interesting and instructive. p.24.
- Seminars on ideological and political training of students. p.25.
- Zaimskikh, N. - Research, recommendation, and results based on materials from the Sverdlovsk Tool Plant. p.27.
- Starikov, B., Raude, V., Gorbaitov, V. - Opinions of the miners; handicaps to the professional education of miners. p.28.
- Titova, M. - Reserves at hand; an interplant school of advanced experience. p.30.
- Itskovich, G. - Textbooks in technical mechanics. p.31.

Vol. 24, no.4(263), Apr. 1967.

- Table of contents translated:
- Vezirov, A. - The most important work of the Komso-l is the education of the young generation. p.2.
- Veresoka, I. - Valuable reserves of initiative. p.4.
- Zelinskii, E. - Patronage of progressive workers. p.5.
- In glorious tradition. p.6.
- Malinkovich, D. - First steps; from teaching experience in economics. p.6.
- Mezenin, A. - To pattern one's life after Lenin. p.8.
- Cherkashin, F. - Discipline is a result of education. p.8.
- Kantorovich, N. - Vocational and technical schools and the choice of a vocation. p.9.
- Educational psychology. p.11.
- Gnedin, V. - About continuity. p.12.
- Koliadenko, Z. - At a lesson with a good teacher. p.14.
- Shumovich, M. - Methodologists are the champions of progressive experience. p.16.
- Makimenko, M. - A vocation plus knowledge. p.19.
- Izrael', G. - Cooperation of vocational and evening schools. p.19.
- Lomako, I., Oltarzhevskaya, O. - Showing flexibility. p.19.
- Palupanov, V. - The results of one year. p.20.
- Lichachev, A. - Practical training in a group. p.22.
- Malkov, E. - Written test papers on the subject "Tractors." p.22.
- Lilov, A. - Girls from the Chernovtsy School. p.24.
- Popov, P. - In charge of the dormitory. p.25.
- Blinnikov, N. - The first steps. p.26.
- Likhachev, A. - Training of workers for geological prospecting. p.28.
- Principal characteristics of group instruction. p.29.
- New filmstrips. p.31.
- Toward the glorious 50th anniversary. p.32.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.]. Ertivan, vol. 10, no. 4, 1967.

- Table of contents translated:
- Plant manufacturing high-precision machine tools. p.3.
- Karapetian, T. - Outstanding engineer. p.8.
- Arshakian, D., and others. - Selecting optimum heat-supply system for Armenian cities. p.9.
- Badalian, S., Daniellian, K. - Organizing geophysical mining service in Armenia. p.12.
- Airapetian, G., Melkonian, V., Gukasian, Zh. - Extraction of rare metals from molybdenum ores. p.15.
- Simonov, M. - At the fifth congress of the Federation of Pressed Concrete. p.17.
- Kicheleva, M., Minayev, V. - Design of vertical cylindrical screens. p.20.
- Vartanian, M., Safarian, A. - The LM-02 universal ultrasonic welding unit. p.22.
- Azarian, P., Oganessian, I.U. - Magnesymmetric windings of transformers. p.25.
- Avetisov, S. - Presence of correlative connections between various properties of lithidial pumice. p.29.
- Ter-Slepianian, G. - Price and economic reform. p.32.
- Vartanian, L. - Industry and trade. p.33.
- Khudolin, TS. - Five-day week. p.34.
- Mikaelian, M. - New stage of architectural development. p.38.
- Avetisian, R. - Testing wire-reinforced concrete beams. p.43.
- Khorasaniyan, G., Khorasaniyan, A. - Increasing the efficiency of house building in cities. p.46.
- Sarkisyan, M. - Outlook for water supply with artificial underground water. p.49.
- Vartanian, L. - New method for determining the components of cutting force in milling. p.51.
- Shakhnazarian, E. - Scientific and technological information to the developer. p.54.
- Sarukhanov, V. - Industrial design and cybernetics. p.58.
- Made in Armenia. p.59.
- News from plants, factories, construction sites. p.60.
- Tavrizian, L. - New developments at the Polt'plasi Plant. p.61.
- Fire from the Mars Field. p.62.
- Arshakuni, R. - Use radiation chemistry in industry. p.66.
- New developments in science and technology. p.68.
- Gevorkian, R. - Isotopes in geology. p.70.
- Vartapetian, R., Limanov, V. - Introduction of innovations in industrial production. p.71.
- Zakharian, A. - For economy and thriftiness. p.73.
- Metal reinforced plastics. p.74.

PROMYSHLENNOST' BELORUSII [INDUSTRY OF WHITE RUSSIA]. Issued by Gosudarstvennyi planovoi komitet Soveta Ministrov BSSR and Verkhovnyi respublikanskii sovet NTO [State Planning Committee of the Council of Ministers of the White Russian S.S.R. and the Supreme Republic Council of the Scientific Technological Society]. Minsk, vol. 10, no. 4(107), Apr 1967.

- Table of contents translated:
- Izykovich, V.F. - Contribution of the workers of Gomel' Province. p.1.

- Director of a plant. p. 6.
Anniversary souvenir. p. 8.
"Promyshlennost' Armenii" pays us a visit. p. 10.
Mavritshev, V. S., Rubanov, L. A. - Payment for funds and economic stimulation. p. 12.
Kovalev, A. I., Omeleshko, N. V. - Using basic funds in the food industry. p. 15.
Kopelkin, B. A. - Using basic funds in the woodworking industry. p. 16.
Razumov, A. E. - Incentive, interest, production. p. 18.
Moiseenko, E. A., Zvol'skaia, S. I. - Planning the realization of manufactured goods under new conditions. p. 19.
Kandrusev, I. A., Pliner, G. A. - Potentialities of the increase in labor productivity. p. 21.
Erdman, A. B. - Accounting is an important sector in economy. p. 22.
Shlyk, V. I. - Increasing the production of bricks. p. 24.
Paremskii, B. D. - White-Russian peat industry is on the rise. p. 25.
Solov'ev, P. A., Nikitina, L. N. - Efficiency of the specialization in the production of toys. p. 28.
Konovalov, E. G., Sidorenko, V. A. - Self-turning cutters increase the productivity of metal cutting. p. 30.
Korolev, V. N. - Standardization at the Minsk Tractor Plant. p. 32.
Kaloishin, A. V., Loseva, V. S. - Overall mechanization of conveying in shops. p. 34.
Iatskevich, V. V. - Automatic control of the consumption of viscous masses. p. 37.
Gorbunov, E. M., Gol'din, I. U. S. - Using the method of hot extrusion in producing forgings. p. 38.
Kupel', G. A. - Measuring moisture content in peat on production line with high-frequency pickups. p. 40.
Bezmen, V. F. - Small-size set of multipurpose attachments. p. 41.
Corelik, S. Kh., Farberov, A. M. - Manufacturing optical parts from die-cast polymers. p. 43.
Golodnov, V. N., and others. - Automatic counting of production in forge shops. p. 45.
Sokolov, V. G. - They are improving the perfect organization of labor. p. 48.
Ghasko, S. - Sign of high quality and trade mark. p. 48.
Innovations and inventions. p. 50.
Aleksandro, A. I. - Pay main attention to the problems of production. p. 54.
Bogdanov, A. F. - Technical progress and quality problems. p. 55.
Belyi, A. E. - According to a renewed program. p. 56.
Tishkov, V. I. A., Beisenev, O. V. - Universal stand for testing gear wheels. p. 58.
Makarskii, I. U. I., Gorodetskii, I. A. G., Doionia, A. E. - Preparing enterprises for the use of electronic computers in production management. p. 59.
Lobastov, S. A. - Rated expenditures for the recovery and transportation of fuel for White Russia. p. 61.
Kernogo, V. V. - Outlook for the utilization of 20 kilovolt voltage in electric networks. p. 63.
Klibanskii, I. B., Skuratovich, P. P. - Effect of chromium plating on the fatigue strength of alloyed steel. p. 64.
News of science and technology. p. 64a.
- Vol. 10, no. 6(109), June 1987.
Table of contents translated:
Kokhonov, F. L. - Improve planning and economic work constantly. p. 2.
Veduga, N. I. - Outlooks for the automation of industrial management. p. 10.
Bulgakov, G. L. - From enterprises to branches. p. 15.
Kletskii, V. L. - Establishing group norms. p. 16.
Belobzhetskii, L. A. - Improve business accounting. p. 19.
Vybornov, V. I., Mavritshev, V. S. - Improvement of the planning of technical progress. p. 19.
Lysogorov, P. G. - Supply of materials and equipment under new conditions. p. 21.
Podobed, S. P. - Planning the operations of basic shops. p. 23.
Kovalevskii, V. I. - New wholesale prices in industry. p. 24.
Saksaganskii, A. D. - Equipment, production and financial planning of an enterprise under new conditions. p. 25.
Polap'ev, V. N. - Mechanization of designs and calculations. p. 28.
Brazhnik, A. S. - Improvement of accounting. p. 28.
Plachukhin, G. A. - Planning the operations of auxiliary shops. p. 29.
Ideas, comments, suggestions. p. 30.
Recommendations of a conference. p. 32.
Franko, A., Kal'kovskaya, L., Shvarts, A. - Use network schedule graph in planning operations under new conditions. p. 34.
Ershov, G. G. - City on the Berezhna River. p. 39.
Burko, L. P. - Social competition under new economic conditions. p. 41.
Kharitonuk, A. M. - Technological characteristics of black gold plating. p. 43.
Severdenko, V. P., Mutas, V. S., Sukhodrev, E. Sh. - New method for manufacturing and cutting tools and dies by extrusion. p. 45.
Astakhov, E. I. - Automatic determination of geometrical parameters of two-dimensional figures. p. 47.
Gizalulin, V. G. - Technological system of electrostatic painting of carban shafts. p. 48.
Kirkevich, G. S. - Line for shaping china dishware. p. 49.
Gol'din, I. A. - Efficiency of various methods for producing cast billets. p. 50.
Larin, A. E. - Call of lime. p. 51.
Beluk, N. S. - Flowers at the machine tools. p. 54.
Panashchuk, N. S. - Suggested by the innovators of the Grodno Fine Cloth Factory. p. 55.
Kazanskaia, L. A. - Reconstruction of furnaces. p. 56.
Duriakin, V. T. - Pulley has been put on independent supports. p. 56.
Andreeva, G. N. - One and a half million rubles saved by the introduction of innovations. p. 57.
Rondarenko, L. - Promoting technological progress. p. 58.
Kruglova, A. M. - Research is carried out by public workers. p. 60.
Tarasevich, V. I. - Method of interplant comparisons in the precast concrete industry. p. 61.
Matukov, G. F. - Excitation of a tunnel diode in a wave guide. p. 62.
Umanskii, T. M. - Using electronic computers in distributing repair enterprises. p. 63.
New developments in science and technology. p. 64A.
- STANDARTY I KACHESTVO [STANDARDS AND QUALITY]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.], Moscow, vol. 31, no. 4, Apr. 1987.
Table of contents translated
Improvement of quality is a central problem. p. 3.
Berg, A. I. - Flawless production should have effect of the law. p. 7.
Origination of the organization of flawless production system. p. 8.
Gusev, V. K. - Introducing the flawless production system at the Engels Synthetic Fiber Works. p. 10.
Engelbarin, E. A. - Introducing the flawless production system in the enterprises of light industry. p. 12.
Solov'ev, S. V. - System of flawless production and delivery at the "Saratov" locomotive depot of the Volga Railroad. p. 14.
Suslov, G. F. - Designer and the flawless production system. p. 15.
Golov, P. S. - Improving the quality of machine tools and the technology of production. p. 16.
Pribytkov, B. V. - Work of the reliability service. p. 18.
Miroshnichenko, N. I. A., Grebenluk, G. S. - Manufacture of milling machines based on the system of flawless production. p. 19.
Popov, A. A. - Work of the technical control section under conditions of the system of flawless production. p. 21.
Lomonosov, F. A. - Shop delivers the production at the first presentation. p. 22.
Address of the Congress is Moscow. pp. 22, 25, 42, 68, 71, 74, 88, 89, 95.
Pelkovich, B. P. - Life forced to learn. p. 23.
Semenov, N. V. - Quality starts with the design. p. 24.
Nefedov, A. S. - Organization of scientific-technical information and promotion in standardization, quality, reliability and durability of articles. p. 28.
Shukhgaltov, L. I. A. - Important potentially in production. p. 28.
Sorin, I. A. M. - Saratov system is known in the world. p. 29.
Kaimykov, V. I. - High-quality tools. p. 34.
Kulikov, O. O., Puzylevich, S. A., Gavrilin, N. S. - Universal single-roller devices. p. 35.
Grazhdankin, S. N., Kalinina, Z. M. - Standardization of conditions for the determination of impact viscosity of metals at high temperatures. p. 39.
Balashov, B. N. - Inches gave up their place to millimeters. p. 41.
Mirzofan, S. A., Starik, D. E., Morozov, A. A. - Specification of the degree of reliability of aircraft gas turbine engines. p. 43.
Gerbut, V. I., Sheshtakova, N. I. - Statistical acceptance test of the quality of articles under conditions of flawless production system. p. 48.
Dorofuk, A. A., Torgovitskii, I. Sh. - Applying the methods of automatic data classification to the problems of quality control. p. 52.
Ivanov, B. S., Iarotskaya, T. A., Rubinshtein, P. V. - Investigating the reliability of the MQ, MTI and MKO manometers. p. 55.
Lebedev, A. - Input inspection is a most important factor in the promotion of reliability. p. 59.
Eger, T. E. - Determining economic efficiency of the improvement of machinery quality. p. 62.
Lutovin, V. S., Domenluk, V. N. - Draft standard for a state service of standard and reference data. p. 64.
- Mal'ishev, E. M. - Organizational and technical problems in the collection of statistical and operational data on the reliability of articles. p. 66.
Arenkov, I. D., Cherniavskaya, V. P. - Regulate the normative and technical documentation on the quality of metallurgical raw materials. p. 69.
Kochegarov, E. M. - Recording of normative and technical documentation. p. 70.
Boichenko, V. V. - Card indexes of the offices of the All-Union Information Fund of Standards. p. 72.
Vinnik, M. A., Khazin, L. N. - Calculating the increase of the degree of standardization by articles. p. 73.
Borodavko, P. G. - Activity of the inspection of the increase of potentialities of lumber and the improvement of its quality. p. 75.
Popova, T. I. - Amendment to a standard. p. 75.
Gnedenko, B. V. - Statistical methods in problems of acceptance inspection. p. 76.
Mishin, N. S. - Standardization is a national business. p. 78.
Steshov, V. A. - Standards for technological equipment. p. 79.
Save cadmium and nickel. p. 79.
In the Committee of Standards, Measures and Measuring Instruments at the Council of Ministers of the U.S.S.R. p. 80.
Standards, figures, facts. p. 81.
Al'perin, L. N. - Conference on the increase of quality reliability and durability of articles in Leningrad. p. 82.
Grashin, A. - Seminar on artistic design. p. 86.
For the first time in Lithuania. p. 87.
High quality is a "must" for an enterprise. p. 87.
Claims to wood suppliers. p. 87.
Enterprise has received a claim. p. 88.
Ulbricht, Walter - Socialist standardization. p. 89.
- Vol. 31, no. 5, May 1987.
Table of contents translated
Razumov, N. A. - Governmental attestation of production quality. p. 1.
State quality mark. p. 4.
On Lenin's birthday. p. 5.
Pils, G. S. - Overall standardization of the production of the electric equipment industry. p. 6.
Zaslavskii, M. L. - Standardization of castings with cast threads. p. 8.
Pluss, E. R., Korshunov, V. I. - Specify the methods for determining dust-like particles of artificial sands. p. 12.
Kokunov, A. T., Goltunov, V. G. - Plastic molds. p. 13.
Mitrofanov, A. N., Stupin, A. S. - Quality of Soviet sparkling wine. p. 14.
Valnshteyn, B. Z. - Standardization of electric traction equipment. p. 16.
Iarkho, E. A., Stepanov, N. B. - Start with putting terminology in order. p. 17.
Automallon, mensuration and reliability. p. 19.
Arutunov, V. O., Tatlovskii, A. B. - Reliability and standards. p. 20.
Address of the congress is Moscow. pp. 22, 23.
Kondrashkova, G. A. - Quantitative evaluation of the instability of errors of electronic measuring devices. p. 23.
Gubinskii, A. I., Lazarev, N. M. - What the structure of state standards for instrument reliability should be like. p. 25.
Ivanova, V. I. A. - Determining overall evaluation of the quality of measuring instruments. p. 28.
Frants'ev, V. A., Shik, V. S. - Evaluating the safety of control systems. p. 29.
Pan'shin, G. K. - Reliability of the elements of pneumatic control. p. 32.
Gavrilov, A. N., Sizenov, L. K. - Constructing mathematical models for calculating the precision of technological processes. p. 35.
Katalazhnikov, I. U. V. - Relationship between the reliability of an information system and control conditions. p. 41.
Nadolskaya, E. P., Vedeneva, L. N. - Testing cutting properties of hard alloys. p. 43.
Lazarev, N. M. - Economic incentives for increasing the reliability of devices and means of automation. p. 52.
Traskunov, P. M. - Problems of price formation for electric measuring instruments considering technical and economic indices of the increase of reliability. p. 53.
Levin, B. L. - Methods bases for plotting a network schedule graph for controlling the process of overall standardization. p. 55.
Pavlova, Z. I., Rydze, O. I. - Determining the extent of information in titles of Soviet and foreign standards. p. 59.
Miroshnichenko, B. P. - Mechanization of the preparation for publishing of the Index of State Standards. p. 64.
Anzin, P. M., Abazgaus, S. D., Nachekhina, E. A. - Conducting high-speed testing of navigational electromechanical instruments. p. 65.
Kozlov, B. I. - Efficiency of reliability services of instrument plants. p. 68.
Demakov, I. P. - Activity of the reliability laboratory of the Leningrad Optical and Mechanical Association. p. 69.

- Aliev, M.A. - Studying the type ITPN-53 thisness
p. 3
Vasil'ev, I. P. Ignat'ev, V.A., Saltanova, G.A. -
Solving problems of stability and determining the
frequencies of natural vibrations of irregular gir-
ders on the MN-14 analog computer. p. 11
Izmailova, V.I. - Simulating the prediction of the oc-
tane number of gasoline by its chemical analysis.
p. 14
Khurshid, E.D., Virkovskii, N.P. - Method of opti-
mal distribution of the thermal and electric loads of
thermal electric power plants. p. 17
Guseinov, F.G., Abululaev, N.D. - Study of the elec-
tronic chemical starting of a large hydraulic unit in a
power system. p. 20
Kulizade, K.N., Tshurlan, I.U.A. - Some problems
in establishing norms for the specific consumption
of electric power by a centrifugal pump. p. 23
Mirsalimov, R.M., Kerimzade, S.K. - Determination
of the vibration parameters of a three-cone rock
bit in the boring of wells. p. 26
Dzhafarov, A.M. - Reaction of heat-treated 38 KhNM
steel to the thermal cycle of welding. p. 28
Nepriev, V.F., Allahverdiev, G.A., Tarverdiev,
R.D. - Protection from exterior corrosion of the
underground communication lines of plants by rib-
bon-type polymer coatings. p. 31
Ali-Zade, G.M., and others. - Noise abatement during
the operation of the S-100 hoist tractor. p. 33
Alimov, A.K. - Determining the extent of the recharge
of the aquifer from the data of the groundwater
level in the northern Mugan Steppe. p. 35
Zainalov, M.Z. - Preventing the corrosion of the main
Baku-Tiflis gas pipeline. p. 38
Tochilov, V.L., Kengerli, A.D. - Economizing coagu-
lants through the utilization of sludge from clar-
ifiers at the Northern Dzhelyan-Balan Purifying
Station. p. 40
Bagirov, A.M. - First electric railroad in the Soviet
Union. pp. 41, 48
Gasimov, A.S., Dudashev, E.N. - Specialization in
the production of sherry in Azerbaijan. p. 46
Vol 7, no 4 (76), Apr 1967
Table of contents translated
Mustafayev, M.I., and others. - Combined control of
thermal conditions of the reactor for the synthesis
of ethyl alcohol. p. 1
Mamedov, A.Kh. - Method of determining the coupling
factor of the system regulating the pneumatic con-
veying in a hydrocracking plant. p. 3
Savin, V.V., Sheltman, I.A.L. - Problems of calcu-
lating the elements of galvanometric torque compen-
sators for automatic potentiometers without sliders.
p. 5
Balafishiev, N.A., Kopeikis, M.G., Kerimov, Z.G. -
Study of the sinking dynamics of a boring column on
an analog computer. pp. 8, 19
Azimov, B.A., Kremer, D.M. - Correlation between
the size of calculated currents determined by the
peak of temperature and the thermal wear of insu-
lation. p. 10
Kalanlarov, M.I., Bagimov, A.P., Farkhadzade, E.M. -
Some problems of increasing the dependability of
electric networks in subtropical areas of the Azer-
baijan S.S.R. p. 13
Ryskin, L.L. - Performance of a brush collector unit
in the d.c. machine in a medium of liquid dielec-
tric. p. 16
Tamaev, A.G. - Some relations among the parameters
of the electric networks of power systems. p. 18
Garibov, M.A., and others. - Designing the body and
the cover of a universal preventer. p. 20
Dzhafarov, A.D. - Graphic method of determining the
real delivery to the blade. p. 22
Uselmov, I.A., Akhmedov, B.A. - Smooth uniform-
strength pump and compressor pipes with thermally
hardened ends and sleeves. p. 23
Nozhin, V.I., Kravtsov, M.V., Podgaevskii, I.A. -
Production of sleeveless pump and compressor
pipes of a new type. p. 25
Miriev, I.M., Alkhanov, G.N. - Utilizing the waste
products of the Kirovabad Aluminum Plant. p. 28
Agaev, N.M. - Studying the corrosion of metals in
acid aqueous solutions. p. 31
Gadzhiev, F.M. - Effect of the speed of movement
of the liquid (gas) on the strength characteristics
of underwater pipelines. p. 34
Farkhadov, A.A., Abdullayev, M.M. - Effectiveness of
a new method of cathodic protection from corrosion
for the piles of marine drilling platforms. p. 37
Guseinov, A.A. - Head cabbage is an important food
product. p. 40
Bagirov, R.M., Aliev, A.D. - Benthonic organisms of
the Caspian Sea and their role in the development
of marine fouling. p. 41
Nasirov, T.G., Palladov, S.S. - Studying the wear
resistance of lining fabrics on the "Arzu" appara-
tus. p. 44
Abbasov, G.M. - Quality and profitability. p. 47
"ZHURNAL TEKHNIKHESKOI FIZIKI" (JOURNAL OF
TECHNICAL PHYSICS). Issued by Akademiya
nauk SSSR (Academy of Sciences of the U.S.S.R.).
Moscow, vol. 37, no. 6, June 1967.
Table of contents translated:
Rubin, N.B. - Relativistic virial theorem for the sys-
tem of charged particles moving in an external
electromagnetic field. p. 1001
Gurevich, L.E., Gieblinski, A.S. - Effect of the
inhomogeneous hydrodynamic motion on the propa-
gation velocity of particles on the propagation of in-
homogeneous waves. p. 1008
Zhukov, S.V. - Homogeneously shielding thin fer-
romagnetic coatings. p. 1021
Gurvich, D.B., Svadoshch, E.A. - Determining the
magnetic field of spreading currents in a rod di-
vided by the surface of a spheroid. p. 1025
Glikman, L.G., Kel'man, V.M., Iakubov, P.M.
Electron-optical parameters of two-electrode
cylindrical immersion lenses. p. 1028
Gerslberg, A.E., Kuz'minova, Z.I. - Optimal in-
crease factor of the electrostatic focusing system
in the case of different methods of electron beam
deflection. p. 1035
Braginskii, V.D., Mikhaylova, I.L., Hudenko, V.S.
Some mechanical effects in the interaction of pulsed
electromagnetic radiation and metals. p. 1045
Kovalov, A.M., Khizimlat, N.A. - Reflection of a
plasma by a linearly increasing transverse magnetic
field. p. 1052
Kolsanenko, N.A., Fedotchenko, A.M. - Theory of the
difference frequency increase and extraction in
the system plasma-beam. p. 1057
Godlak, V.A., Ivanov, A.N., Korovnikov, A.A. -
Variation in the floating potential of a vacuum triode
due to variable voltage. p. 1063
Khelfels, M.I. - Use of the method of particle trajec-
tories through foil in determining the parameters of
the storage device or of the cyclic accelerator. p. 1068
Bondarenko, A.V., Lobedev, M.A. - Mechanism of the
ionization of high energy ions bombarding a cathode in a
anomalous glow discharge. p. 1074
Maev, S.A., and others. - Optimal regions of electron
converters at arbitrary number of collectors. Part 1.
p. 1078
Gus'kov, I.U.K., and others. - Optimal regions of
thermionic converters at arbitrary number of
collectors. Part 2. p. 1090
Bagirov, M.N., and others. - Studying the operation of
a cryogenic pump in a free molecular regime. p. 1105
Pokat, I.U.A. - Longitudinal separation of a gas-liquid
mixture in a glow discharge. p. 1112
Vakser, B.D., Chibizova, K.N. - Shape of the dis-
charge in a gas cavity limited by dielectrics. p. 1118
Bezirganian, P.A. - X-ray scattering in a system of
ions in a temperature gradient. p. 1121
Volkov, I.F., Foltadi, A.E., Fridikhin, N.A. -
Studying the plasma-optical effects in a laser at
0.63, 1.15, and 3.39 μ wavelength. p. 1127
Delousova, L.M., Danilov, O.I., Ishimov, V.V. -
Spectrum of a continuous laser with a confocal
resonator. p. 1134
Dalsiev, M.I., Inov, N.I. - Description of the ef-
fects of an adsorbed on copper surface layer by means of
slow electrons. p. 1140
Kolsanenko, N.A., and others. - Density fluctua-
tion of electrons and ions of a plasma, brought
about by a strong superhigh frequency field. p. 1148
Dizhev, G.A., and others. - Probing of a solid dielectric
low voltage are between two emitting electrodes. p. 1155
Vondik, O.G. - Excitation of waves in a rectangular
wave guide by a charge system homogeneous along
the axis of the wave guide. p. 1157
Shukropat, P.I., Shneerson, G.A. - Heating of a
plasma by the radiation from a laser located in a
strong magnetic field. p. 1161
Anan'ev, I.U.A., Volosov, V.D. - One possibility
of decreasing the angular radiation divergence of a
monopole laser. p. 1165
Perelman, T.M., Pecherina, S.V., Fridikhin, N.A. -
Studying the effect of the longitudinal magnetic field
on the operation of an He-Ne laser in a pulse re-
gime. p. 1168
Grechikhin, L.I., Min'ko, L.I.A. - Analogy of physical
processes in an impulsive discharge and in the
effect of concentrated laser radiation on metals. p. 1180
Kilava, V.F., and others. - Ionization rate in an
electric discharge used for an argon-based triode
laser. p. 1173
Glutskuk, A.M. - Relativistic shift of the natural
frequencies of a resonator. p. 1176
Perel'shtin, E.A. - Quasi-linear theory of quasi-
linear instabilities. p. 1177
b AERONAUTICS
AVIATSIHA I KOSMONAVTIKA [AVIATION AND ASTRONAUTICS], Moscow, no. 5, May 1967
Table of contents translated:
Semenov, V. - Ideas of the October Revolution inspire
great deeds. p. 2
Paurtsev, N.D. - Outlook for the development of space
radio communications. p. 8
Bogachev, I., and others. - Remote multichannel
space radio communication system (to be con-
cluded). p. 10

Potapov, S.A. - For a thrifty attitude toward the national property. p. 61.

No. 5(28), Sep.-Oct. 1966.

Table of contents translated

Sakl chemists' contribution to the national economy.

1. Bogdenov, T. T. - Man with an inquisitive mind. p. 4.
 Anush, A. V., Farberov, A. S. - Production of sodium pyrophosphate peroxide. p. 5.
 Kulik, O. M., Seida, I. A. - Chemical composition of plasticizers for rubber mixtures and plastics. p. 7.
 Khatakhish, V. G., and others - Production of duplicated polyethylene. p. 8.
 Solomko, V. P., Semko, L. S. - Effect of glass fibers on the temperature of the transition of polystyrene and polymethyl methacrylate. p. 11.
 Gindis, A. P. - Use of ultrasonic waves in the electrochemical oxidation of potassium manganate to permanganate. p. 14.
 Makarov, I. A., and others - Separation of the oxidation products of paraffin hydrocarbons with selective solvents. p. 16.
 Dvornichenko, K. I. - Causes of the reduction of the activity of ferric oxide in the production of caustic soda. p. 18.
 Shechebikov, A. A., Babitskiy, D. M. - Furfuralamide as a seed disinfectant and nitrogen fertilizer. p. 20.
 Lobov, V. P., Cherkasov, V. M. - Herbicidal effect of anthracene- and anthraquinonecarboxylic acids. p. 23.
 Chernobyl'skiy, I. I., Terlyshnik, K. G. - Thermophysical properties of some thermoplastic polymers. p. 24.
 Zemlitskiy, V. N. - Mechanization of the loading and unloading operations of bulk cargoes at the Sumy Chemical Combine. p. 29.
 Bilenko, I. M., and others - Statistical model of the synthesis of urea. p. 31.
 Matdani, A. K., Kozanevich, Z. I. A. - Precipitation of copper oxychloride as the objective of automatic control. p. 34.
 Ivanukov, I. A., and others - Network methods in planning and managing the process of building up the capacity of the Ryzdal Mining and Chemical Combine. p. 38.
 Titachenko, V. I., and others - Study of the viscoplastic properties of dispersed systems under conditions of high temperature and pressure on the VSN-2 apparatus. p. 44.
 Alfirova, V. N., Davidenko, T. F., Serikova, I. I. - Complexometric method of determining barium in technical barium chloride. p. 46.
 Galenko, N. V., and others - Determining the degree of grafting styrene to rubber. p. 48.
 Golovko, N. A., Biedovich, K. I., Zavitayeva, N. D. - Alkaline method of regenerating vanadium from the spent contact mass of sulfuric acid production. p. 49.
 Beidlin, V. K., and others - Electrochemical method of regenerating ammonia from the filtered liquid of soda production. p. 51.
 Bezudova, Zh. I., and others - Uninterrupted oxidation of oil. p. 53.
 Kuzlukov, A. N., Piliugina, N. P. - Testing the corrosion resistance of steels in the roast gas of sulfuric acid production. p. 55.
 Kruglitskiy, N. N. - Work of the International Conference on Clays. p. 57.
 Display of the "Chemical Industry" Pavilion at the Exhibition of Advanced Practices in the National Economy of the Ukrainian S.S.R. in 1966. p. 60.
- *KIMMIA I TEKNOLOGIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL]. Issued by Gosudarstvennyi komitet neftepererabatyvashchey neftekhimicheskoy promyshlennosti pri Gosplane SSSR [State Committee for the Petroleum Refining and Petrochemical Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 12, no. 6, May 1967.
 Table of contents translated:
 Socialist obligations of workers of the petroleum refining and petrochemical industry in honor of the 50th anniversary of the October Revolution. p. 1.
 Bolnikov, I. A., Gerasheva, Z. V. - Thermal cracking of vacuum gas oil for high output of diesel fuel. p. 5.
 Fridland, M. I. - Coefficients of mass transfer in fluidized systems. p. 7.
 Pivovarov, A. T., and others - Control parameters of catalytic cracking. p. 13.
 Basov, V. A., and others - Generalized characteristics of the operational effectiveness of chemical reactors for large-tonnage processes. p. 15.
 Telgin, V. G., and others - Development of a method for continuous alkylation of toluene with acetylene. p. 19.
 Gordash, I. U. T., Serov, V. A., Sklar, V. T. - Producing higher unsaturated acids from industrial fractions of α -olefins. p. 21.
 Todes, O. M., Lezin, I. U. S. - Dynamics of continuous adsorption and desorption in a fluidized bed in case of a nonlinear isotherm. p. 23.

- Sidorov, R. I., Denisenko, A. N. - Measuring the selectivity of liquid phases. p. 28.
 Melsik, R. E. - Effectiveness of alkaline reagents in the protection of the condensing and cooling equipment of distillation units. p. 29.
 Rimer, M. I., Maksimets, I. U. K. - Stages in the building up of production capacities in the petroleum refining industry. p. 31.
 Kozlov, M. V., and others - Automatic control of the catalyst regeneration process. p. 33.
 Pinkovskiy, I. A. I. - Horizontal electric dehydrogenator with bottom feed of the raw material. p. 38.
 Fionkel', D. A., Gritsov, S. P. - Automation of laboratory analyses of oils and lubricants. p. 40.
 Zablinskii, E. I. - Octane number of aromatic hydrocarbons and gasoline produced by catalytic cracking and reforming. p. 44.
 Aionov, D. M., Noreiko, L. M. - Basic requirements concerning the quality of automobile gasoline. p. 47.
 Lipshchik, R. A., Shlern, E. N. - Effect of the hydrocarbon composition of transformer oil on dielectric losses. p. 51.
 Kalanaz, N. G., Varshavskiy, D. S., Glazunov, V. I. - Dependence of the gas tightness on the content of aromatic hydrocarbons in the insulating oil. p. 54.
 Malishev, V. A. - Method for the quantitative determination of normal C₆-C₁₀ alkanes in narrow benzene fractions. p. 56.
 Lidsman, I. S., Tsesarskaya, M. A. - Fast method for drying samples of petroleum and petroleum products. p. 59.
 Turov, I. U. A., Pashina, G. A. - Production of acetylene in the main capitalist countries. p. 61.
 Kostin, K. V. - Petroleum coke and its use. p. 63.

KHOLODIL'NAYA TEKHNIKA [REFRIGERATION ENGINEERING]. Issued by Vsesoyuznyi nauchno-issledovatel'skiy institut khodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry]. Moscow, vol. 44, no. 5, May 1967.

- Table of contents translated:
 Pozin, M. M. - Local and use internal potentials of the production. p. 1.
 Obligations of the personnel of the Moscow "Compressor" Plant. p. 4.
 Fiskin, Z. E. - Potentialities for the increase of ice cream production. p. 5.
 Olenov, I. U. A., Filchakova, N. M. - Developing the production of soft ice cream. p. 7.
 Aleksandrova, T. A., Tulchinskii, I. U. V. - Dependability of the automatic control systems and the protection of vertical and V-type ammonia compressors. p. 8.
 Rolenberg, A. G., and others - Small PIT-4 semiconductor temperature gauge. p. 11.
 Gal'perina, R. G., Minkus, D. A. - Sorption units for water demineralization. p. 14.
 Seliverstov, V. M., Barats, V. A., Khvastunov, V. N. - Experimental absorption machine operating on a solution of freon 22 and dibutylphthalate. p. 17.
 Avallani, D. I. - Determination of the number of active centers of steam generation during the boiling of freons 112 and 113. p. 19.
 Shecherbina, A. G. - Effectiveness of a semiconductor substance for cooling thermopiles. p. 21.
 Kamnarskaya, A. K., Ushkalova, L. V., Oguzhnikova, N. V. - Preservation of Baltic herring in refrigerated sea water. Report No. 1. Technological research. p. 24.
 Molevov, E. L., Balandina, G. A. - Preservation of Baltic herring in refrigerated sea water. Report No. 2. Microbiological research. p. 28.
 Geller, S. L., and others - Automation of the Minsk Cold Storage Warehouse No. 2. p. 31.
 Rapoport, V. Sh. - Preliminary stabilizing of rubber parts in freon compressors. p. 33.
 Lyashko, N. E., Panferov, V. N. - Servicing refrigerating installations of 5-car refrigerator sections. p. 34.
 Velnborg, B. S. - Cyclometer. p. 38.
 Zakharov, V. S., Iakobson, V. B. - Measuring the concentration of oil in circulating freons. p. 39.
 Levin, A. M., Vasil'ov, G. E. - Adjusting the "Khuilomat" thermal-moisture testing chamber. p. 41.
 Tarabrin, I. V. - First graduation of refrigeration specialists at the Krasnodar Polytechnical Institute. p. 45.
 New inventions. p. 49.
 Shayra, V. M. - Session of the 7th Commission on Land Transportation of Refrigerated Goods. p. 49.
 Chernyakova, E. G., Kolesnik, I. G. - Norms of the consumption of lubricants, ammonia, and calcium chloride solution for ship refrigerating machinery. p. 58.

KIEV, VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKIY INSTITUT SAKHARNOY PROMYSHLENNOSTI, Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE SUGAR INDUSTRY, Transactions]. Moscow, no. 13, 1966.

- Table of contents translated:
 Shechegolev, V. N. - Technological estimation of beet cossettes by their deformation. p. 3.

- Shechegolev, V. N. - Comparative study of stone catchers of continuous action. p. 22.
 Kleize, N. V., Koval', E. T. - Operation of the station for juice production at the Timashevo Sugar Factory. p. 30.
 Kartashov, A. K., Skriplov, V. E., Chernenko, V. A. - Technology of the production of diatomite filtration powders from Soviet deposits. p. 42.
 Kartashov, A. K., Zhizhina, R. G., Maksimova, N. A. - Separation of predefecation residue, its composition and possible use in the animal husbandry. p. 64.
 Bogdanov, S. A. - Role of dextran in the sugar industry. p. 83.
 Kot, I. U. D. - Optimal conditions of concentration by boiling, crystallization and centrifuging of sugar beet massecuite. p. 90.
 Kot, I. U. D., Sokolova, A. L. - Recrystallization of sugar crystals during the fluctuations of supersaturation. p. 100.
 Kot, I. U. D., Burlakov, N. I., Sokolova, A. L. - Testing vacuum apparatuses of a new design. p. 117.
 Sokolova, A. L. - Conditions of crystal growth in massecuite. p. 128.
 Teleshin, B. N. - Determination of pressure drop by the thickness of the residue layer during centrifugal filtration. p. 134.
 Tshul', V. A. - Determination of calcium in the products of the sugar industry by flame photometry. p. 139.
 Fleishman, L. F. - Effective use of beet pulp. p. 149.
 Valaman, M. L., Gorekh, V. N., Popov, V. D. - Method for the calculation of multistage vacuum apparatus of continuous action. p. 159.
 Shevtsov, L. D. - Aerodynamics of the shaft-type lime kiln operated on moist or natural gas. p. 178.
 Zhaberskiy, A. F. - Method for particle-size analysis of granulated sugar. p. 183.
 Shevtsov, D. S., Milutchenko, B. F. - Experimental study of sugar crystals. p. 205.

*KOKS I KHMIIA [COKE AND CHEMISTRY]. Organ of Gosudarstvennyi komitet po chernoi i levelnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no. 4, 1967.

- Table of contents translated:
 Stankovich, A. S. - Methods of forecasting coking properties of coal charges based on genetic characteristics of coal. p. 1.
 Tshperovitch, M. V., Sorokin, A. F. - Rapid method of determining flotation activity of apolar reagents. p. 7.
 Chernyshev, I. U. A., Gruzintsev, V. G. - Experience in automatic determination of the moisture of coal charge mixtures during their flow. p. 10.
 Bionshstein, A. P., Tsholikh, M. A., Voronov, I. U. G. - Changes in coke properties during reheating. p. 13.
 Shatenshtein, V. G. - Thermodynamic estimate of the performance of coke ovens. p. 18.
 Babenko, E. M., and others - Investigating components of coal pitch. p. 24.
 Pormakov, V. A., Revlakhin, B. N. - Operation of charging hole lid removers designed by Southern Ural Machine Construction Plant. p. 28.
 Korobchanskii, V. I., and others - Preparation of benzene for synthesis by simple crystallization method. p. 29.
 Kolland, L. I. A., Pustolov, I. U. A., Falda, I. A. - Purification of benzene from thiophene by sulfonation method. p. 31.
 Garbor, I. U. N., Shishkov, I. U. I. - Preparation of highly concentrated diethylbenzene based on coke gas ethylene. p. 33.
 Kharin, V. I.

promyshlennosti SSSR i sotsialnoy ekonomicheskoy Nauchno-tekhnicheskogo obshchestva planchevol'noy promyshlennosti [Ministry of the Food Industry of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 33, no. 3, Mar. 1967.

- Table of contents translated:
 Romashkina, A. F. - Enterprises of the food industry compete. p. 1.
 Tshbulakov, V. A. - Kaluga Order of the Red Banner of Labor Aromatic Synthetic Substances Combine. p. 4.
 Demets, K. S. - Vinnitsa Oil and Fat Combine. p. 5.
 Khakimov, I. U. I. - Kaitakurgan Oil and Fat Combine. p. 6.

- S. 101, D. M., Ardeev, A. A., Gudkov, B. S. - Study of deuterium exchange reactions of cis- and trans-isomers of 1,2-dimethylcyclohexane and decalin in their dehydrogenation on a nickel catalyst. p. 164.
- Vol'p'shteyn, A. B., Zharova, M. N. - Hydrogenation of by-products of phenol production: binary mixtures of α -methylstyrene, acetophenone, phenol, and 2-phenyl-2-(4-oxyphenyl)propane. p. 191.
- Lutsenko, N. N., Orlovskiy, M. M. - Kinetics of realkylation reaction of aromatic compounds under aluminum chloride action. p. 199.
- B. 101, T. S., Grigorievich, B. A. - Preparation of bicyclic cyclopentadiene from piperylene. p. 208.
- Talman, I. V., Shaburov, M. A. - Pyrolysis of acetone in presence of ammonia. p. 214.
- Maturo, V. I., Polak, L. S. - Effect of dose rate on kinetics of radiolysis of cyclohexane. Cyclohexane as a chemical dosimetric system. p. 219.
- Kozlov, G. I., Khudakov, G. N., Kobzev, I. U. N. - Investigating formation of acetylene from methane in hydrogen plasma jet at atmospheric and elevated pressures. p. 224.
- Sidatnikov, A. T., Lapidus, A. L., Pechuro, N. S. - Effect of pressure on acetylene homolog content in gaseous products of electric cracking of liquid organic products. p. 232.
- Fedorova, S. P., and others - Identifying some by-products of industrial synthesis of isoprene. p. 235.
- Berger, I. I., and others - Hydrofining of synthetic ethyl alcohol by removing unsaturated and carbonyl compounds. p. 242.
- Moisey, F. I., and others - Mechanism of action of boric acid on liquid-phase oxidation of alkanes. p. 248.
- Kirichenko, G. N., and others - Investigating oxidation of 2-isopropylanthracene by molecular oxygen. p. 254.
- Zaikov, G. E., and others - Synthesis of ethyl acetate by direct oxidation of ethyl alcohol. p. 260.
- Chertinskii, K. A., Mal'tsev, V. N. - Functions of catalyst in liquid-phase oxidation of cyclohexanone. p. 264.
- Sobova, K. M., and others - Preparation of 1,10-dodecanedioic acid by liquid-phase oxidation of cyclohexanone. p. 270.
- Khramov, G. D., D'yachenko, N. L. - Preparation of m-cresol by oxidative decarboxylation of o-toluic acid. p. 274.
- Puzitskiy, K. V., and others - Synthesis and properties of esters of α, α -dimethylalkanoic acids and saturated monoalkanol hydric alcohols. p. 280.
- Levanova, S. V., Garbar, T. E., Andreevskii, D. N. - Vapor pressures and approximate values of thermodynamic functions of liquid alkyl halides. p. 286.
- Obolevskiy, R. D., Nikitin, I. U. E. - Thermodynamic properties of α -alkylthiophenes and α -alkylthiophenes. p. 293.
- Mashkina, A. V., Sukhareva, T. S., Chernov, V. I. - Catalytic conversions of thiophene oxides and metal sulfides. p. 301.
- Tsitshishvili, G. V., and others - Chromatographic separation of gaseous hydrocarbons on X-type zeolite modified by K⁺. p. 305.
- Sharf, V. Z., and others - Calculation of retention volumes of compounds of various classes in gas-liquid chromatography on polyethylene glycol. p. 314.
- *PLASTICHESKIE MASSY [PLASTICS]. Organ of Ministry for the Chemical Industry of the U.S.S.R. (Ministry for the Chemical Industry of the U.S.S.R.). Moscow, no. 5, 1967.
- Table of contents translated:
- Gaibarov, M. - The Chemist's Day. p. 3.
- Saidjan, A. G., Kocherzhan, K. S. - Production of polyvinyl acetals. p. 4.
- Brikenshtein, A. A., and others - Synthesis of polyoxolane. p. 7.
- Belov, G. P., Karpova, N. D. - Effect of admixtures on the polymerization of ethylene. p. 8.
- Neliman, M. B., and others - Thermal stabilization of polyethylene. p. 12.
- Samoilov, A. V. - Effect of ionizing radiation on the thermophysical properties of polyethylene. p. 14.
- TSilipolkina, M. V., and others - Effect of the quantity of a cross-linking agent on the porosity of styrene copolymers with divinylbenzol. p. 15.
- Vol'-Rabtnovich, L. L., Marakhovskiy, N. V. - Chemical stability of polyethylene. p. 18.
- Dremin, V. D., Andreev, A. P. - Methods for evaluating the effectiveness of thermal stabilizers of shock-resistant polystyrene. p. 20.
- Korshak, V. V., Vinogradova, S. V., Pankratov, V. A. - Characteristics of polyarylates based on 9,9-bis-(4-hydroxyphenyl)-fluorene. p. 21.
- Tarasov, A. I., and others - Gel formation by unsaturated polyesters in the presence of peroxide initiators. p. 23.
- Dobrokhotova, M. K., and others - Production of high-molecular polyacrylamide. p. 25.
- Malinin, L. N., Gavrilova, K. P., Vinogradov, S. V. - Effect of plasticizers on the oxidative destruction of cellulose butyrate acetates. p. 28.
- Trostianskaya, E. B., Gunlaev, G. M. - Choice of bonding agents for glass reinforced plastics with a glass film filler. p. 30.
- Orbelin, S. I., Ratner, S. B. - Wear of epoxy resins by a jet of abrasives. p. 35.
- Tkachuk, S. M., Igoshin, L. A. - Structure of solidified resins and the structure of solidified resins. p. 36.
- Novitskiy, E. G., Korolev, G. V. - Kinetics of the three-dimensional polymerization of α -methylstyrene-methacrylate polyorganosiloxanes. p. 41.
- Boissov, M. P., Malchukov, B. V., Antonov, R. P. - New method for the production of chlorinated polyorganosiloxanes. p. 44.
- Kiselev, D. A., Nikiforov, A. V. - Some properties of solidified silicon organic resins. p. 45.
- Kutepova, A. I., and others - Orthophthalates, with primary and secondary alcohols in plastic. p. 47.
- Slepanshecheva, G. P., and others - Stability of polyester. p. 48.
- Voronina, M. P., Kuvshinov, I. I. - Determination of thermal stability of polyvinyl chloride in plastics. p. 50.
- Chistakov, A. M., and others - Effect of solidification conditions on the physical and mechanical properties of glued joints. p. 53.
- Balashov, M. I., and others - Sulfonated carbonaceous catalyst of a chemical form. p. 56.
- Zgonik, L. P., Kuvshinov, I. I. - Acid catalysis of metalite and amphoteric household alcohols. p. 57.
- Galenko, N. V., Zorin, V. B. - Spectral characteristics of 1,4-cis, 1,4-trans and 1,2-forms in the infrared of polybutadiene rubbers. p. 59.
- Lubeshkina, E. G., Tonner, K. V., Gull, V. I. - Physical properties of modified polypropylenes. p. 61.
- Kalilov, M. A. - Evaluation of the homogeneity of cellulose acetate solutions. p. 63.
- Villich, E. E. - Durability of the adhesion of polymers to metals in water. p. 65.
- Klapovskaya, O. A., and others - Stabilization of polyethylene terephthalate. p. 69.
- Anisat, A. S., Isakov, E. I., Kuznetsova, N. N. - Textolite, a laminated plastic. p. 70.
- Pnushkin, I. A. M., Nizova, S. A., Tikhonov, V. M. - Conversions of phenol in the presence of bases. p. 71.
- Bulatov, G. A. - Polymethane foams and their technology. p. 72.
- SAKHARNAYA PROMYSHLENNOST' [SUGAR INDUSTRY]. Organ of Gosudarstvennyy Komitet po planirovaniyu promyshlennosti pri Gosplane SSSR and its attached pravlenie Nauchno-tekhnicheskogo obshchestva pri sheyevoy promyshlennosti (State Committee for Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Food Industry). Moscow, vol. 41, no. 5, May 1967.
- Table of contents translated:
- Socialist obligations of the personnel of the enterprises of the starch and molasses industry of the U.S.S.R. p. 1.
- Shkhalitskiy, S. M., Parkhod'ko, A. P. - Sugar industry in Cherkassy Province during the 50 years of Soviet rule. p. 3.
- Zheludko, S. F., Mal'tskaya, L. D. - (Continued) traditions of the personnel of the Stupovka Sugar Factory. p. 8.
- Savvin, L. A. - Results of studying the phenomena of molasses formation in the sugar manufacture. p. 11.
- Naidenov, A. K. - Determination of the productivity of pulp drying drums. p. 13.
- Kravets, I. A. O., and others - Calculation of a countercurrent adsorber with a moving layer of adsorbent. p. 17.
- Berezin, A. I. - Improve the quality of lime stone supplied to the sugar factories of the U.S.S.R. p. 21.
- Gromov, M. A., Krasovskaya, G. I. - Thermophysical characteristics of granulated sugar. p. 24.
- Bal'tser, I. B., Kopylo, E. K. - Determination of the productivity of linekilns and of the regulation of their work. p. 27.
- Kozhemiakin, S. T. - From the laboratory practice. p. 30.
- Samonov, F. A., Sidorov, A. S., Radchenko, V. V. - Control of the density and expenditure of milk of lime. p. 32.
- Nasonov, N. A., Bazhenov, V. D., Nosov, V. E. - Some propositions on the modernization of the "Duncan Stuart" diffusion apparatus. p. 37.
- Brozheev, V. I., Sharagovskiy, R. P. - Device for the drawing out of labyrinth bars of steam turbines. p. 39.
- Get'kalo, A. Z. - Improving the blowing of diffuser knives. p. 40.
- Lomovtsev, V. F., Tarasov, D. V. - Study of the causes of sugar loss during the transportation of beets to the factory. p. 42.
- Fisher, S. M. - Organization of economic accountability in sugar factories. p. 46.
- Shekolev, V. N., Korbal, G. M. - Ways for decreasing industrial traumatism. p. 49.
- Kondratenko, P. A., Drobnizgo, A. A., Tarasov, D. V. - Raw materials and the economy of a sugar factory. p. 52.
- Malysheko, N. K. - Introduction of scientific organization of labor at the Vorkhnedneprovsk Combine. p. 54.

For outstanding work, p.5,
Sartov, E. Z., Alukhanov, V. R., Dobroborski, I. D. -
From Leningrad to Moscow, p.6,
Garilov, I. - D. M. Petrov, quality inspector, p.8,
Permakov, V. B., Mogilevich, V. M. - Duration of the
technological process and stability of soil-cement
layers of pavements, p.9,
Mel'man, M. A. - Laying soil-cement roadbeds in
Northern regions of Lugansk Province, p.10,
Marchenko, L. S., Udovikov, V. I. - Pavement of soil-
sulfate concrete, p.11,
Shit'lan, E. I. - Spr. grids with stressed rod
reinforcements, p.12, 18,
Kononov, P. P. - Bridge crossings with flooded
approaches, p.14,
Kukshin, I. E. - Evaluating rated quantities of maximum
shower discharges, p.14,
Lobanov, E. M. - Norms for designing intersections on
the same level, p.16,
Sil'vak, I. M., Terenetski, K. S. - Regularity of the
relationship between hourly and daily traffic
intensity, p.18,
Leksandrov, I. U. K. - Combination of cross sections
with longitudinal profile of designed road, p.18,
Solometa, I. I. - Asphalt-concrete pavements for
heavy traffic, p.19,
Gen'ev, I. E., Aramko, V. N. - Characteristics of the
deformations of pavements on soft soils, p.20,
Aryshev, B., Silkin, V., Khmel'ski, V. - Securing
the smoothness of cement-concrete pavements,
p.22,
Troz, I. Ia. - Roadside forest belts, p.24,
Kushin, V. T., Ilyev, N. P. - Effective planting for
snow protection, p.24,
Troz, V. M., Gridnev, S. A. - Raising earth roadbed
above underground water level in southern
areas, p.26,
Gopayev, G. I. - Rated moisture content in soils of
the roadbed, p.27,
Kashov, V. - Traffic survey on roads in Poland,
p.28,
Kuk, L. N. - Carrying out the program of rural
road construction, p.30,
Troz, A. N. - Scientific road laboratory, p.30,
Troz, V. A. - The fifth plenum of the Central Com-
mittee of Trade Unions, p.31,

CIVIL & CONSTRUCTION ENGINEERING

1. F. I. Yakovlev, V. G. - Analyzing the cost of heating systems. *Heating and district boiler* p. 21

2. F. I. Yakovlev, V. L. - Analyzing the connection with natural circulation. *Heating and district boiler* p. 33

3. F. I. Yakovlev, V. L. - Effect of dynamic characteristics of heating systems on the temperature regime of heating. *Heating and district boiler* p. 41

4. V. G. Yakovlev, V. G. - Methods for determining the effect of hot water in systems with natural circulation. p. 58

5. V. G. Yakovlev, V. G. - Calculating the operation of hot-water systems with direct water circulation. p. 65

6. V. G. Yakovlev, V. G. - Controlling the operation of circulation systems in single-circuit systems. p. 75

7. P. D. - Operational regimes and economic calculation of extended joint operation of heat exchangers in power plants and peak district boiler. p. 84

8. I. I. - Efficiency of compression heat exchangers for determining their optimum capacity in heating systems. p. 117

9. V. G. Gornichev, I. A. - Testing plastic heating systems of buildings. p. 133

10. V. M. Ponomarev, I. I. - Thermal characteristics of a flame panel buildings having heating systems. p. 140

11. I. I. - Automatic control of temperature of water in heating boilers with return and circulation. p. 150

12. V. F. Prebentsov, V. F. - Indices of thermal characteristics of infrared radiation gas heaters with metal grids. p. 159

13. V. F. - Widening range of temperature for small gas heaters. p. 167

14. Z. I. Papisovskiy, A. V., Tyukov, I. N. - Calculation of heat calculations of contact-water heaters. p. 177

15. A. L. - Aerodynamic characteristics of evaporating liquid drops in contact water. p. 192

16. F. M. - Cooling products of natural gas combustion in contact chambers of water heaters. p. 202

17. F. M. - Analyzing performance of contact heaters for heating and hot-water supply. p. 212

18. V. M. Papisovskiy, S. A., Faltershtein, Testing automated Universal' boiler for solid fuel. p. 226

19. I. I. - Permissible response time for automatic controlling combustion presence

14. **TRAMOEIL YF DOROGI [HIGHWAYS]** Issued by
the Ministry of Road Construction of the USSR [Ministry of Road Construction of the USSR] M.-scow, vol 30, no. 4(294),
Mar 1947

1. Work, N. A. - Contents translated:
 (a) in the anniversary year should be finished on
 a "bed" and in perfect condition. p.1.
 (b) Novikov, L. V., Rylov, N. A., Rozov, N. A. - Completely
 finished. p.2.
 (c) Kr. I. E. - At a project under final stages of construc-
 tion. p.3.
 (d) prepared to meet in proper manner. p.3.
 (e) Kelser, K. - Workers' gift for anniversary. p.4.
 (f) Ad. Sh., V. - Trade Union organizes a competition.
 p.5.

BETON I ZHELEZOBETON (CONCRETE AND REINFORCED CONCRETE) Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U S S R] Moscow, U.S.S.R. no. 5, May 1963.

Table of contents translated.

Burnov, A. G. - Single plan for the development of the precast reinforced concrete industry in the Russian Federation, p. 103.

Mironov, S. A., Malinina, L. A., Korotkova, O. E. - Effect of the duration of curing on concrete strength, p. 106.

Sungatullin, I. A. G. - Continuous prestressed floor slabs made of keramzlit concrete, p. 109.

Korney, N. A., Kudryavtsov, A. A. - Peeling prestressed floor slabs made of lightweight concrete, p. 205.

Brodskiy, A. I. A., Fridman, A. M. - Weldability of grades St. 5 and 35GS steel strengthened by concrete drawing, p. 210.

Milovanov, A. F., Prizhko, V. M. - Bond of cement with heat resistant concretes at high temperatures, p. 215.

Chulko, A. V., Romadinov, A. N. - Concrete corrosion at moving plants, p. 219.

Molettuk, N. S., Romilova, G. M. - Shrinkage deformations in flexed reinforced concrete elements with cracks in the tension zone, p. 222.

Galaktionov, V. I. - Causes of increased water requirement of mortars and concrete containing fine sand, p. 224.

Mirmanov, G. I. - Determining the tensile strength of concrete by splitting cylindrical samples, p. 226.

Froidin, A. S., Sholokhova, A. I. - (Cluing and repair of concrete using synthetic glues, p. 226.

Zyrlinov, V. S. - Computing the crack resistance of prestressed concrete smokestack shafts, p. 227.

Kilman, M. I. A. - Prestressing of round reinforced concrete tanks by separate members, p. 231.

Pochtovik, G. I. A., and others. - Results of the all Union competition for the best ultrasonic device for checking the quality of concrete, p. 235.

Krasnolukov, P. - Expansion by the Administration of Technical Specifications and standards of the State Committee on Construction of the USSR, p. 239.

Lazarovich, I. A., Usponodil, I. S. - New manual for the design of oblique-angled plates, p. 240.

ERIVAN, ARMIANSKII NAUCHNO-ISSLEDOVATELSKII
INSTITUT STROYTEL'NYKH MATERIALOV I KON-
STRUKTSII. Nauchnye soobshcheniya [ARMENIAN
SCIENTIFIC RESEARCH INSTITUTE OF BUILDING MA-
TERIALS AND STRUCTURES' Scientific Reports]
No. 7, 1980. Studies on seismic stability of buildings.
Table of contents. Translated.

Gordon, T.A. - Experimental study of energy dissipation in flexural vibrations of stands from lightweight concrete. p.7.

Shakhmurov, L.V., Zakharenko, Zh.V. - Experience of using modeling in studying the seismic stability of large-panel buildings. p.37.

Peshmalatshian, O.V. - Testing models of reinforced concrete wall panels for centric compression. p.61

Khachlian, E.E. - Determination of seismic forces for four-story frames based on nonlinear analysis. p.75.

Shagidina, S.G. - Testing a model of large-block residential building for seismic effect. p.83.

Shakhmurov, L.V., Oganesian, N.L. - Possibilities of using elastic cushions for increasing the seismic stability of buildings. p.113.

Khachlian, E.E. - Elastoplastic calculations for seismic stability of systems with many degrees of freedom. p.130.

MEKHANIZATSIYA STROITEL'STVA [MECHANIZATION OF CONSTRUCTION]. Issued by Gosstatizvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva i SSSR i nos pravitel'stvo Nauchno-tekhnicheskogo of the Council of Ministers of the U.S.S.R. for Construction and the Central Administration of the S.S.R. Industry. Moscow, vol. 22, no. 5, May 1965.

Prisled ko, D. S. - Mechanizing the assembling of elements of large-panel apartment houses. p. 1.
Novyatski, A. A., Armoienko, N. G. - Mechanizing operations in applying nonroll waterproofing materials. p. 2.
Ishchenko, I. A. P. - Compacting soil with the D-357G scrapers. p. 4.
Badalov, V. V. - Practices in operating the D-357G motor scraper. p. 6.
Zheludkov, V. I., Tauenis, A. M. - Delivery and storage of loose materials in containers. p. 7.
Reutskii, E. P. - Practices of bulldozer operator Nikolai Ozerov. p. 8.
Paskovich, I. V. - Modernizing the head of the M-3-5-5 tower crane. p. 9.
Nedorozov, I. A., and others. - Industrial tests of a bucket in operation on the E-852 excavator. p. 10.
Evdokimov, I. U. A., Semizorov, I. E., Lebedev, V. P. - Testing capron bearings for durability. p. 11.
TSarevskii, I. M. - Indices of the work of trusts and mechanization offices. p. 13.

- [illegible]

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

946

947

948

949

950

951

952

953

954

955

956

957

958

959

960

961

962

963

964

965

966

967

968

969

970

971

972

973

974

975

976

977

978

979

980

981

982

983

984

985

986

987

988

989

990

991

992

993

994

995

996

997

998

999

1000

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

Ukrashin, V. E., Sholokhov, A. A., Gribanov, I. I. - Calculating the temperature in the active zone of a reactor under a random distribution law of heat release on the basis of zone height. p. 362.

Enjilav, I. A., Gribanov, R. V. - Operation of the absorption rods in high temperature reactors p. 367.

Solov'ev, V. I., and others. - Temperature fields of nuclear fuel elements with liquid-metal coolants p. 372.

Florentsov, M. M., and others. - Effect of the circulation rate on radiative transformations of organic coolants at elevated temperatures. p. 376.

Gribanov, R. V., and others. - Effect of titanium on the phase composition and deformability of high-temperature steels p. 384.

Davydov, A. V., Pal'shin, E. S. - Oxalate complex compounds of Pa (V). p. 389.

Rauzen, F. V., Dudnik, S. S., Gutin, E. I. - Applying electroanalysis with ion-exchange membranes for demineralization and decontamination of low-activity waste liquid p. 393.

Kul'tashina, M. V., Fomin, I. K. - Effect of surface-active substances on the blumization process of radioactive waste p. 397.

Abramyan, E. A., Vecheslavov, V. V. - Acceleration of an intensive proton beam by a transformer-type unit p. 400.

Kononov, V. F., Smirnenko, G. N. - Mean number of neutrons emitted during U^{233} and U^{235} fission by 0.08-1 Mev neutrons. p. 401.

Zakharov, D. M., and others. - X-ray diffraction study of the structure of liquid indium-gallium alloy with eutectic concentration. p. 402.

Zakharov, D. M., and others. - Crystallization of indium-gallium alloy with eutectic concentration. p. 403.

Svorkov, B. M., and others. - Scattering of 0.511 Mev γ -quanta by shielding barriers. p. 404.

Boiarshinov, L. M. - Backscattering of positrons from targets of various compositions. p. 405.

Andrushin, N. F., Bulatov, B. P. - Spatial distribution of backscattered γ -radiation of sources located on the surface of the reflector. p. 408.

Drozdovskaya, A. A., Mel'nik, I. U. P. - Thermodynamic analysis of the stability of uranium oxides in low-temperature carbonated waters. p. 407.

Drozdovskaya, A. A., Mel'nik, I. U. P. - Thermodynamic analysis of the conditions for uranium migration in hypergenic sulfate waters. p. 407.

Bukarev, V. A., Komissarov, V. A., Shlan', A. S. - Measuring dT-neutron yield with the aid of the auxiliary source of annihilation radiation. p. 409.

Shukhov, S. B., Divyov, V. I., Shishkov, L. K. - Analytical method of solution of critical problems. p. 410.

Tsykanov, V. A., and others. - Studying the best arrangement of horizontal channels for the neutron beam extraction from SM-2 reactor. p. 411.

Bakulin, N. V., and others. - Studying the phase and diffusion resistances in the case of alkali metal condensation. p. 413.

Andrushin, N. F., Bulatov, B. P. - Spatial distribution of scattered γ -radiation in a cavity in the case of collimated primary radiation source. p. 415.

Konstantinov, V. M. - Relation between uranium ore beds and extrusives of oxidized rocks. p. 416.

***AVTOMATIKA I TELEMEXANIKA [AUTOMATIC AND REMOTE CONTROL].** Issued by Institut avtomatiki i telemexaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.] Moscow, no. 5, May 1967.

Table of contents translated:

Matman, N. S., Khansh, O. F. - Dispersion methods for identification of multidimensional nonlinear control plants. p. 5.

Oseplein, F. A. - Model of a class of essentially nonlinear plants. p. 30.

Volgin, V. V., Karimov, R. N. - Selection of a time discreteness step in computing correlation of functions of random processes. p. 37.

Kurkin, O. M. - Evaluation of the effect of the inaccuracy of a priori value of correlational characteristics of an input signal on the quality of filtration. p. 43.

Vilenkin, S. I. A. - Selection of clamping frequency in filtering processes in electronic digital computers using a sliding summation method. p. 51.

Mandel', A. S., Ralkin, A. L. - Optimal planning of the switching-in of space components. p. 55.

Malyshev, V. V. - Problem on optimal discrete control of the finite state of a linear stochastic system. p. 64.

Gershkovich, I. U. B., Potterovich, V. M. - Irreversible superpositions of function of the algebra of logic from two variables. p. 71.

Nekula, N. M. - Automatic minimization of two-valued Boolean functions. p. 80.

Vasil'eva, N. P., Gashkova, I., Pilit's, Z. - Algebraic method for determining functions of excitation of trigger circuits. p. 85.

Ageev, I. U. M. - Static characteristics of a transistorized magnetic pulse-width modulator. p. 89.

Dudnikov, E. E., Rybachkov, M. V. - Methods for solving problems in mathematical programming using all-purpose analog computers. p. 95.

Allov, R. A. - Determination of the dynamic characteristics of an alcohol synthesis reactor. p. 101.

Emel'yanova, N. M. - Optimization of processes in search for extremum function using a program. p. 100.

Askarov, Ch. I., Gondler, M. D., Semenov, V. A. - Double threshold element using a transistor. p. 166.

Roltman, M. S. - Sharply selective wide-band detector using photoelectric conversion. p. 171.

Kogan, I. A., Tyme, I. V. - Comment on I. A. Chlenko's remark "Some problems of the control of a plant with random amplification factor". p. 174.

Levchenko, L. S. - Comment on I. A. Chlenko's remark "Some problems of the control of a plant with random amplification factor". p. 174.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Ministerstva energii i elektrifikatsii SSSR i Nauchno-tekhnicheskoe i teoreticheskoe i prikladnoye issledovaniya v oblasti energeticheskoy promyshlennosti [Institute of Energy and Electrification of the U.S.S.R. and the Scientific and Technological Society of the Power Industry]. Moscow, vol. 38, no. 5, May 1967.

Table of contents translated:

Socialist obligations. p. 2.

Appeal of the progressive power engineering systems construction workers. p. 3.

Bulliko, A. D., Dezhnev, P. P., Likhachev, P. A. - Lightened superposed current transformer relay relay protection systems of power lines. p. 5.

Shklyugov, P. I. - Selection of main network electrical connections of block-type power plants. p. 9.

Shubin, B. F. - Experimental geothermal electric power plant. p. 20.

Ghebov, V. P., Davidov, A. A. - Shielding of once-through-type boilers. p. 22.

Marshall, I. U. L., and others. - Results of the experiment and operation of boilers with liquid cyclone preheaters. p. 26.

Ianko, P. I., and others. - Block up and the heating surfaces of a mazut-fired boiler. p. 28.

Slyukovitch, M. A., and others. - Project of the selection of water conditions and materials for condensate feed channel blocks with supercritical pressure. p. 37.

Eshinov, V. A., Tsveta, A. A. - Operation of tanks and quality of water. p. 42.

Tarlovskaya, I. Kh. - Selection of materials for slot castings in feed pumps. p. 44.

Deidichevskii, I. M., Kamenetskii, K. S., Zade, R. M. - Remote control of heat exchangers. p. 47.

Pilipenko, A. P. - Balancing of bridge networks providing a uniform response for ball valves. p. 51.

Kaelanovich, M. M., Kyulov, S. V. - Stability of a system consisting of two-wire lines in phase. p. 57.

Kovtun, I. T. - Wound of a wire beam with the use of spacers in 330 kv. power transmission lines. p. 67.

Nikiforov, E. P. - Ultimate stream of steam in aluminum wires. p. 59.

Lipshchik, R. A., and others. - Effect of the action of oils on the state of ball bearings. p. 67.

Mel'nikov, M. F., Semenov, V. A. - Some features of single-phase automatic relaying in power transmission lines. p. 67.

Kovtunen, N. P. - Mechanization of the sorting and loading of the balls of Sh-50 ball mills. p. 70.

Man'kina, N. N., and others. - Hydrozinc treatment of the feedwater of medium-pressure boilers. p. 70.

Peslov, B. K. - Air-blast switcher with automatic separators. p. 72.

Pitel', V. P. - Decoder for thermal protection systems using thyristors. p. 73.

Eiman, E. B., Goldinskii, I. L. - Switching of OD-110 separator in a 110 kv. enclosure distribution unit. p. 73.

Dolopopolov, V. M., Ransvech, B. N. - Distance-type signaling system. p. 76.

Motorko, A. V. - Current relay for a switch with redundancy device. p. 77.

Vakhrameev, A. L. - Device for automatic signal levels in telephony. p. 78.

Nevmerzhliskii, V. I., Mel'nik, S. T. - Adjustment and operation of the cooling system of the excitors of the TGV-200 turbogenerators. p. 78.

Stopanov, V. P., Val'tsifer, V. A. - Machine for the rotor wheel chamber of a hydraulic turbine with an abrasive stone. p. 81.

Semenov, V. A. - Sensitivity of differential protection systems in the operation of a transformer bank on two phases. p. 84.

Sheln, I. M. - Replies to V. A. Kozlov's article "Efficient structure of municipal electrical distribution networks." p. 85.

Volynkin, V. G., Lugovoi, V. S. - Determination of the unit resistance of soils in moundlary. p. 86.

Lordkipanidze, V.D. - Principal trends in the design and development of municipal electric power distribution networks, reports of a scientific and technical conference, p. 90.
Medvedev, S.D. - Scientific and technical conference on the present state of Russian transformer industry and its future development, p. 93.
G. L. Asmolov, on his 60th birthday, p. 95.
I.A. Ostrovskii, on his 60th birthday, p. 95.
A. I. Kulpakova, on her 70th birthday, p. 96.

*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radioelektroniki i telekrovsvyazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunication] Moscow, vol. 21, no. 4, Apr. 1967.

Table of contents translated:

Velikh, A. I., Zeltakh, E. V., Ivanova, A. I. - Magnetostrictive low-pass filter, p. 1.
Kantor, V. M., Lanne, A. A. - Synthesis of piezoelectric low-pass and high-pass filters by their operating parameters, p. 8.
Rozov, V. M. - Some trends in the development of short-wave radio communication systems, p. 18.
Sodin, L. G., Veibitskii, I. L. - Directivity factor of an antenna with Techebyeff radiation pattern, p. 26.
Levshits, B. S., Khanb, G. B. - Municipal crossbar exchanges and substations, p. 31.
Dmitriev, O. F., Emel'yanov, G. A. - Statistical studies of qualitative characteristics of telegraph channels, p. 40.
Mikhailov, A. V. - Increasing the reliability of data transmission in compensation of transient processes in channels with phase distortions, p. 44.
Borisov, B. P. - Method for analytical representation of nonlinear characteristics of the output transformer of the group amplifiers of a long-distance communication system, p. 53.
Iablin, I. N. - Antiphonic transformer for attenuating low-frequency interference in the transmission of video signals through coaxial cables, p. 62.
Kreimel, N. S. - RC filters with high drop curvature, p. 69.
Zakharchenko, N. V., Leshchuk, I. A. - Check of the effect of the contact system of a transmitter on the distortion distribution law, p. 75.
Blumbein, G. M. - Noises of linear amplifiers and selection of optimal signal source impedances, p. 77.

Vol. 21, no. 5, May 1967.

Table of contents translated:

Nazarov, V. I. - Structural characteristics of phase-keyed signals of discrete information transmitting systems, p. 1.
Popov, O. V., Tsun, V. I. A. - Law governing the distribution of probabilities of a different number of errors in a combination, p. 11.
Tukhbatullin, M. G. - Reception of signals with frequency modulation and relative frequency modulation using Wagner's method in a channel with correlated fading, p. 17.
Pirogov, A. A. - Phonetic coding of speech, p. 24.
Kashpovskii, V. E., Koremnoy, I. I. - Special features of the propagation of radio waves in regions with permafrost rocks, p. 32.
Terent'ev, S. N., Fal'kovich, S. E. - Method for increasing interference rejection in transmission of digital information in channels with fluctuation noise, p. 37.
Vladimirov, V. I. - Evaluation of the amplitude of a signal with random initial phase with simple weight function, p. 42.
Milenin, N. K. - Approximation of energy spectra of television and phototelegraphy signals, p. 49.
Kalinichev, B. P. - Single-dimensional probability density of the sum of impulse and fluctuation interference, p. 54.
Sidorov, V. M. - Interaction of two harmonic oscillations in nonlinear narrow-band devices, p. 60.
Gonkina, N. F. - Reliability of communication routes using parallel channels, p. 68.
Zhgakh, V. P. - Spectrum of a signal with simultaneous phase and amplitude key modulation, p. 74.
Maksimov, N. N., Uvarov, O. I., Chumakov, V. P. - Calculation of the conductivity of permafrost soils, p. 75.
Movshovich, M. E. - Effect of a strong interfering signal on the transmission factor of a translated frequency converter, p. 77.

*ELEKTROTEKHNIKA [ELECTRICAL ENGINEERING]. Issued by Ministerstvo elektrotekhnicheskoi promyshlennosti SSSR [Ministry of the Electrical Engineering Industry of the U.S.S.R.] and others. Moscow, vol. 38, no. 5, May 1967.

Table of contents translated:

Electrification of transportation in the U.S.S.R. p. 1.
Bocharov, V. I., Zolotarov, P. A. - Improvement of the traction motors of main line electric locomotives, p. 3.

Vasil'ev, V. A. - Development of electric traction transmission systems for diesel locomotives in the U.S.S.R., p. 6.
Rabinovich, A. A. - Electric traction equipment for municipal transportation systems, p. 8.
Efremov, I. S., Zagladov, N. A., Bezukhov, G. I. - Regulated silicon converter of stabilized voltage for substations of municipal electric transport systems, p. 12.
Levshakov, A. S., Mitovany, I. U. M., Tipikh, A. P. - Study of static and dynamic stability of a.c. operational transmission systems of gas-turbine locomotives, p. 15.
Balanov, B. K., Stomina, B. A. - Rectifier motor, p. 18.
Kamenetskii, B. G., Egorov, A. I. A. - Conditions leading to the ignition of commutator fire in a traction motor, p. 21.
Vasilenko, G. V. - Effective improvement of the commutation of traction motors with pulsating current, p. 21.
Bion, O. B., Sushkov, I. K. - Longitudinal flows of plasma in an a.c. arc, p. 28.
Ryzhkov, V. S. - Additional losses in contactless synchronous machines with hooked rotors, p. 31.
Panasevich, M. A. - Calculation of an asynchronous brake with ferromagnetic rotor, p. 35.
Leiner, V. S., Paladil, M. V. - Contactless asynchronous electric drive, p. 39.
Maslovets, T. K. - Industrial equipment subjected to the action of solar radiation, p. 42.
Shayov, M. S. - Study of the stability of plastic collectors of traction motors, p. 44.
Braude, I. M., Dmitrenko, V. E. - Effect of the concentration of electrolyte on the electrical characteristics of silver-zinc system current sources, p. 48.
Tikhonov, V. N. - Design of female contactors with metal-to-glass or ceramic contact, p. 49.
Mandryka, O. R. - Analysis of the damping characteristics of an armature winding with vertical placement of sections into slots, p. 53.
Lemberg, A. I. A., Ostech, V. P. - Design of two-way symmetrical loop windings for armatures of traction generators, p. 55.
Akunts, K. A., Chernyavskii, Z. M. - Effect of unit pressure in compression of plastic on the arch spread in collectors, p. 57.
Bogdanovskii, P. S. - Properties and applications of thyristors, p. 60.
Vitali V'igel'movich Girsberg, on his 60th birthday, p. 63.

ENERGETICHESKOE STROITEL'STVO ZA RUBEZHOM; p'lozhenie k stroenii "Energeticheskoe stroitel'stvo" [POWER CONSTRUCTION IN FOREIGN COUNTRIES; Supplement to the Periodical "Power Construction"]. Issued by Tekhnicheskoe upravlenie Ministerstva stroitel'sta elektrosnabzhenii SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.], Moscow, no. 1(30), 1967.

ENERGETIK [ELECTRIC POWER TECHNICIAN]. Issued by Ministerstvo energoliki i elektifikatsii SSSR and Tsentrul'nyi komitet Profsoyuzov rabochikh elektrosnabzhenii i elektromyshlennosti [Ministry of Power and Electrification of the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry], Moscow, vol. 12, no. 12, Dec. 1964.

Table of contents translated:

Dondanenko, V. M., Vetrov, A. N. - Selection of oil samples for analysis from oil-filled 110 kv. cable line systems, p. 1.
Postednichenko, I. U. G. - Adjustment of the operation of hydraulic ash removal systems, p. 5.
Skolnikov, V. I. - Automatic heat level regulation in a heat supply system, p. 8.
Lebedev, V. M. - Increasing the efficiency of a turbine system, p. 10.
Kotsilovskii, D. I. - Rack panels for relay protection and automatic control of equipment, p. 10.
Petrosov, D. S., Avdzhian, L. Kh. - High-speed automatic reclosing networks, p. 11.
Iankovitch, I. U. S. - Relay protection system with deshumming of the disconnecting electromagnets, p. 13.
Shpakov, N. R. - Blocking of disconnectors and cut-offs, p. 15.
Marfin, N. I. - Replacement of an intermediate tower with an angle-anchoring type tower using a step-by-step top mounting technique, p. 17.
Shteyn, O. M. - Calorimetric determination of oxygen dissolved in water, p. 18.
Mandrykin, S. A. - Removal of a damaged winding from an electric motor, p. 22.
Ivanov, V. S. - Restoration of spent silica gel, p. 22.
Through the pages of technical magazines, p. 22.
Electrical safety of water heating boilers, p. 24.
A new car dumper, p. 25.
New series of RN-50 and RN-50T voltage relays, p. 25.

ENERGOKHOZIAISTVO ZA RUBEZHOM, p'lozhenie k zhurnal "Elektricheskoe stroitel'stvo" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES; Supplement to the Periodical "Electric Power Stations"]. Issued by Gosudarstvennoe energo-licheskoe izdatel'stvo [State Power Engineering Publishing House], Moscow, no. 3, May-June 1967.

REFERATIVNYI ZHURNAL AVTOMATIKA, TELEMEXANIKI I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 7, July 1967.

REFERATIVNYI ZHURNAL ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS ELECTRONICS AND ITS APPLICATION]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 6, June 1967.

REFERATIVNYI ZHURNAL ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS ELECTRICAL ENGINEERING AND ELECTRIC POWER]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 6, June 1967.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, Avtorskii ukazatel' za 1966 g. [Author Index for 1966].

SIDE, RADIO, TELEVISION [COMMUNICATIONS, RADIO, TELEVISION]. Issued by Eestl NSV Ministeriie Nourkogu Riiklik Teadustike Uurimistoode Kooridirektiivse Komitee [State Committee of the Council of Ministers of the Estonian S.S.R. for the Coordination of Research], Tallinn, no. 1/2, 1967. [In Estonian].

MOSCOW, INSTITUT RADIOELEKTRONIKI I GORNOI ELEKTROTEKHNIKI. Nauchnye tudy [INSTITUTE OF RADIO ELECTRONICS AND MINING ELECTRICAL ENGINEERING, Studies], No. 51, 1965. New trends in techniques and technology of open-pit mining operations.

Table of contents translated:

Novik, G. I. A. - Classification of rocks according to their physical properties, p. 7.
Iakobashvili, O. P., Iamshchikov, V. S. - Ultrasonic methods for determining elastic parameters of rocks, p. 12.
Uspenskii, A. B. - Piezoelectric properties of quartz-containing rocks, p. 19.
Bogachev, A. F. - Classification of flow sheets for overall mechanization of open-pit mining operations, p. 21.
Korobov, S. D. - Investigating conditions of mining operations in curvilinear fronts, p. 25.
Bogachev, A. F. - Determining optimum conditions of drilling operations with the aid of linear programming, p. 32.
Naumov, I. K., Rogalin, N. N., Korobelnikov, N. S. - Order of putting excavators into operation in the course of building open-pit mines, p. 37.
Dutkevich, G. R. - Placement of semiautomatic crushers in rock product quarries, p. 44.
Bazilev, V. G., Birenko, V. N. - Isolating strength differences during mining of carbonate deposits, p. 49.
Reznichenko, S. S. - Optimum depth of external trenches in combined opening, p. 54.
Ryhevskii, V. V., Kuschkanov, G. K., Alad'ev, A. N. - Selecting efficient method of mining Ekibastuz coal deposits, p. 60.
Tomakov, P. I. - System of working steeply pitching coal seams with internal waste stacking, p. 67.
Dobretsov, V. B. - Reducing strength properties of rocks by deep cooling, p. 73.
Potasov, I. I. - Using commercial frequency currents for rock breaking, p. 76.
Suptelia, V. V. - Investigating new methods of graphite ore breaking, p. 78.
Lomonosov, G. G. - Separation of rocks during the blasting process in preparing complex working faces, p. 83.
Bakhtin, G. A. - Calculating the length of column charge stemmings in open-pit mines, p. 88.
Lomonosov, G. G. - Hydroexplosive crushing of oversized rocks without boroholes, p. 94.
Shvedov, V. P., Sukhovitsyn, V. P. - Performance of P-25 drills at Olenegorsk Mine, p. 98.
Garmash, N. Z. - Zone of the free distribution of stripping equipment, p. 102.
Pederin, R. I. U. - Determining parameters of chips during operation of rotary bucket excavators, p. 108.
Shkol'nikov, A. D. - Characteristics of algorithms for controlling operations in open-pit mines, p. 115.

1. V. I. Romashkan, V. S. - System for controlling the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
2. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
3. V. I. Romashkan, V. S. - Effect of line
position on the stability of the truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
4. V. I. Romashkan, V. S. - Transmission
of the position of the truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
5. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
6. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
7. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
8. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
9. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.
10. V. I. Romashkan, V. S. - Paper on the
control of the position of truck trans-
mission shafts. *Trak. mashiny*, No. 1, 1968, p. 11.

TABLE OF CONTENTS OF ORSHCHISTVO RADIO- TEKHNIKI I ELEKTRONIKI (SCIENTIFIC TECH- NICAL SOCIETY OF RADIO ENGINEERING AND ELECTRONICS) [Ukrainian] Kharkov, 1968

| | | | | | | | | | | | | | | | | | | | |
|--|---|--|---|---|--|---|--|---|--|--|---|--|--|--|--|--|---|---|---|
| Var. 1, V. V. - Determining the constants of metal
plasticity by the method of double impression of the
film. p. 3 | Var. 2, V. V. - Determining the constants of metal
plasticity of structural components of
alloys. p. 13 | Var. 3, V. V. - Determining
the constants of plasticity on cylindrical specimens. p. 19 | Var. 4, V. V. - Dimensionless coordinates for
plotting creep curves. p. 26 | Var. 5, V. V. - Dimensionless coordinates for
plotting creep curves. p. 33 | Var. 6, V. V. - Instrument errors in determining
hardness with the TK device. p. 39 | Var. 7, V. V. - Testing Schott's scleroscope. p. 47 | Var. 8, V. V. - Force
standard for 10,000 kg sec. p. 52 | Var. 9, V. V. - Selecting efficient systems of
tear devices. p. 58 | Var. 10, V. V. - Determining transmission ratio
of beam systems by the method of differences in
loading. p. 61 | Var. 11, V. V. - Precision of standard
stationary dynamometers of the second degree
p. 66. | Var. 12, V. V. - Restricted motion of a load in a
resisting medium. p. 72. | Var. 13, V. V. - Elastic stability of a compressed rod
p. 77. | Var. 14, V. V. - Cable lines in areas of perennial
congelation. p. 82 | Var. 15, V. V. - Laying cables in heaving grounds
p. 85 | Var. 16, V. V. - Displacements of
cables caused by heaving grounds. p. 103. | Var. 17, V. V. - Laying cables in soils with fissures
caused by frost. p. 111 | Var. 18, V. V. - Laying cables in
areas with perennial congelation. p. 126 | Var. 19, V. V. - Effect of prestressing on the
strength and rigidity of bent elements. p. 131. | Var. 20, V. V. - Experimental investigation of
prestressed bent elements. p. 138 |
|--|---|--|---|---|--|---|--|---|--|--|---|--|--|--|--|--|---|---|---|

PRIDOR I SISTEMY AVTOMATIKI [APPARATUS AND SYSTEMS OF AUTOMATIC CONTROL] Kharkov, no. 2, 1968

| | | | | | | | | | |
|--|---|--|--|---|--|--|---|--|---|
| Stulov, V. A. - Alternate-message codes with group
selection. p. 3. | Stulov, V. A. - Partial incomplete alternate-message
codes. p. 10. | Dilyk, V. S. - Effectiveness of the transmission of
telemetry signals using frequency-composite
and frequency-time codes. p. 17. | Rasov, V. I., Romashkan, V. S., Tupas, V. I. - Con-
verter of a voltage to digital code. p. 22. | Kustel'ny, T. A. - Potential converter of a binary code
to series alternate-quality code. p. 28. | Abramov, K. K. - Calculation of the parameters of
overhead lines with laminar structure of the soil.
p. 37 | Abramov, K. K. - Study of the electromagnetic field
of a multiwire line with twisted conductors. p. 39. | Gustashvili, L. I., Desharov, E. S., Fedenko, V. S. -
Device for the automatic control of the level of re-
mote control signals. p. 44. | Pupov, A. B. - Selective devices of frequency-type
remote control systems with compensation of char-
acteristics. p. 47. | Glinka, V. M., Maslovskii, G. M. - Correlational
analysis of electrical interferences in distribution
networks in open-pit mining. p. 53. |
|--|---|--|--|---|--|--|---|--|---|

Zvergin, F. V. - System regenerating a radiotelegra-
phy signal affected by fractionation. p. 61.
Melik-Asharov, A. G., Romashkan, V. S. - System for
comparing and signaling threshold deviations in a
remote control system. p. 66.
Lukhtitskiy, I. A. - All-purpose digital instrument
for industrial use. p. 71.
Shchedrov, N. I. - Zero component of a digital convert-
er using silicon transistors (potential to time inter-
val converter). p. 77.
Chernyak, S. P. - Photoelectric system for longitudi-
nal cutting of steel sheets. p. 83.
Grudin, I. V. - Switching of small d.c. voltage stages.
p. 87.
Kraschenko, L. D. - Determination of the multiplicity
of the output voltage of two-hole transfluxors. p. 94.
Mikhailov, V. A., Davidenko, V. N., Logvin, V. V. -
Method for registering reductions of electromagnetic
relays. p. 99.
Andreev, D. D., Fedosenko, G. A. - Digitizer of time
flow data. p. 104.
Darov, E. T. - Digital printing device with EUM-23
typewriter. p. 108.
Volfov, A. A., Shostak, V. F. - Method for experi-
mentally controlling combustion (relationship be-
tween fuel and air) in the furnaces of large boiler-
turbine blocks. p. 111.
Gubenko, E. I. - System for gathering and processing
information for program correction. p. 120.
Lutskiy, V. A. - Evaluation and guarantee of quality
control in mass production of remote control
equipment during its design. p. 125.
Meibaum, E. I., Iashchuk, I. A., Susidko, A. I. -
Television system for measuring the dimensions
of objects using a two-camera method. p. 136.
Gubenko, E. I. - Adaptive system for collecting and
treating information. p. 140.
Andreev, D. D., and others. - Code-pulse remote con-
trol system for district dispatcher control of a long-
distance gas main. p. 144.
Stakhov, A. P. - Study of a transistorized regenerative-
diode comparator with transformer feedback. p. 150.

No. 4, 1968.

| | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|--|--|---|--|--|---|--|--|--|--|---|--|---|
| Cherkashin, G. N. - Spectral features of the analysis
and synthesis of some complex discrete systems
using the LChKh method. p. 3. | Kuz'min, E. A., Silko, N. I. A. - Method for the syn-
thesis of a discrete automatic system taking into
account physical realization of a digital filter. p. 10. | Silko, N. I. A. - Dynamic errors of standard digital fil-
ters. p. 15. | Kuz'min, E. A. - Prospects for approximating a pulse
frequency characteristic by a finite number of terms
of a series. p. 21. | Malakhov, L. G. - Some methods for simulating digital
systems for automatic regulation and control. p. 28. | Zaitsev, G. F. - Determination of the reaction of a
sampled-data control system to a disturbance with
random form. p. 37. | Goster, V. I. - Analysis of a.c. operational automatic
control systems taking into account the modulator-
demodulator channel as a real pulsed element. p. 42. | Isaev, L. P. - Determination of the transfer function of
a discrete control system equivalent to a continuous
system. p. 51. | Iakovlev, A. V. - Frequency method for determining
the transfer functions of a sampled-data control
system using the $h_0(t)$ functions. p. 57. | Teptov, V. P. - Study of an adaptive system with a
correlator. p. 66. | Chekalov, V. G. - Determinate adaptive systems. p. 78. | Malakhov, L. G. - Construction of a "voltage-code"
converter system using standardized units. p. 87. | Lugovoi, G. F. - Problems of digital simulation of dis-
crete automatic systems. p. 95. | Burov, G. A. - Construction of discrete models of
continuous links in the circuit of a control system.
p. 102. | Stakhov, A. P. - Analysis of dynamic processes in a
diode-regenerative voltage comparator with trans-
former feedback. p. 109. | Volkov, A. A., and others. - Digital computer for con-
trolling the deviation of plants from a given course.
p. 117. | Ogorodnetchuk, I. I. - Design of high-frequency
communication channels of long-distance power
transmission line networks. p. 120. | Volkov, A. A. - Principles of the construction of opti-
mal automatic flow distribution systems in hydrau-
lic networks. p. 133. | Timanovskaya, L. E. - Transient processes in three-
phase bridge-type magnetic amplifiers and their
simulation. p. 139. |
|--|--|---|---|---|---|--|--|---|--|--|---|--|--|--|--|---|--|---|

RADIO. Organ of Ministerstvo aviatsii SSSR i
Vsesoyuznoye dobrovol'noye obshchestvo soodestvstva
armii, aviatzii i floty [Ministry of Communication of
the U.S.S.R. and the All-Union Volunteer Society for
Assistance to the Army, Air Force, and Navy].
Moscow, no. 5, May 1967.

| | |
|---|--|
| Table of contents translated.
May of the anniversary year. p. 1. | Likhterova, R. - Role of the radio equipment industry
in the Great Patriotic War. p. 3. |
|---|--|

Gordeev, D., Ostapchenko, E. - Paper on the
vision. p. 6.
Ostroumov, G. - O. V. Losev. p. 8.
Borisov, V. - Contribution of radio amateurs to the
50th anniversary of the Great October Revolution.
p. 9.
This is love for creative work. p. 11.
Malsas, A. - CQ-U. p. 14.
Malsas, A. - 4L7A on the air. p. 15.
Bychkov, A. - Something amazing right next to you.
p. 17.
Dzhunkovskii, G., Lapovskii, I. A. - Paper on the
vision. p. 18.
Vetchukin, A. - High-resistance d.c. electron tube.
p. 22.
El'tashkevich, S. - "Rubin-401" television receiver.
p. 24.
Evlaikov, E., Enin, S. - Radio receiver in a book.
p. 26.
Kishinevskii, S. - RG-5S stereophonic recording.
p. 27.
Kavysov, N. - Transistorized intercom. p. 30.
Bat', S. - Portable superheterodyne. p. 33.
Sinel'nikov, A. - Portable radio system. p. 35.
Fedorovskii, I. - LO-70 oscillograph. p. 39.
Sotnikov, S. - Replacement of electron tubes with
transistors. p. 43.
Aleksiev, N., Prokhorov, V. - All-purpose meas-
uring instrument of automobile owners. p. 46.
Low-frequency output transformer. p. 47.
Kivopalov, V. - A.c. rectifier. p. 50.
Boynovskiy, E. - Your first translator. p. 51.
Low frequency amplifiers. p. 53.
Copper wire for windings. p. 50.
In foreign countries. p. 50.
Our consultations. p. 61.

*RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskie obshchestvo radio i elektroniki elektrosvyazi im. A. S. Popova [Academy of Sciences of the Technological Society of Radio Engineering and Electronics communications]. Moscow, vol. 22, no. 5, May 1968

| | |
|---|---|
| Table of contents translated | Radio Day. p. 1. |
| Nel'man, M. S. - Principles of the theory of infor-
mation recovery. p. 2. | Zhabotinskii, M. E., Mamonov, A. A., Skladanitskiy, V. B. -
Masters and their application. p. 11. |
| Zadachny, A. M., Okunov, I. U. B., Iakovlev, I. A. -
Contribution to the theory of wide-band commu-
nication systems. p. 18. | Gineva, K. I., Goshchukhin, V. I. - Sectional antenna
and an antenna with beam scanning. p. 21. |
| Kuleshov, V. N. - Synthesis of automatic frequency
tuning systems tracking doppler shift in frequency.
p. 35. | Ainbinder, T. M. - Criterion on input noise level of
radio receivers. p. 44. |
| Eyshteyn, V. F., Migulin, I. N. - Regulation of a
changing the mode of operation of transistors.
p. 54. | Andreev, V. S., Vengerov, A. R., Fedorov, A. I. A. -
Design of tunnel diode generators using non-linear
characteristics. p. 60. |
| Terent'ev, B. P., Nalazhin, V. P. - Amplitude modu-
lation by changing generator coupling with load.
p. 70. | Bollanaki, I. F., Uryalov, V. A. - First channel
television system of the U.S.S.R. p. 71. |
| Khalikov, A. Z. - Determination of the parameters of
the output circuit of a klystron amplifier with
double interaction. p. 78. | Akhmanov, S. A., Komolov, V. P., Roshal', A. N. -
Transient processes in a ternary parametric system.
p. 81. |
| Obolenskiy, S. A. - Economics of the reliability of
electronic vacuum devices. p. 95. | Klimov, V. V. - Generator redundancy. p. 102. |
| Iashchuk, I. A. - Design data on lower critical
frequencies for some wave guides with stepped
cross section. p. 103. | Landsman, M. S., Borshstein, P. V. - Measurement of
the duration of intersymbolic interference in a
two-beam channel with frequency keying. p. 114. |
| Maloralskiy, L. G., Lavich, L. R. - Symmetry of
directional eight-terminal networks. p. 109. | Kuznetsov, I. U. P. - Invariant operation of an eight-
terminal receiver in a binary signal reception system. p. 111. |

*RADIOTEKHNIKA I ELEKTRONIKA (RADIO ENGINEERING AND ELECTRONICS). Issued by Akademiya Nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 12, no. 6, June 1967.

| | |
|---|--|
| Table of contents translated: | Zhvak, S. A., Naumov, A. P. - Refraction coeffi-
cient of the lower atmosphere for radio waves in
the millimeter and submillimeter bands. p. 935 |
| Vakman, D. E. - Prospect for the synthesis of phase-
keyed signals. p. 905. | Vozbina, S. I. U. - Distortions and noises in the recep-
tion of two AM signals with overlapping spectra.
p. 975. |
| Basharinov, A. E., Polakov, V. M. - Flame equilib-
rium radiation in the microwave band. p. 984. | Khilli, V. V. - Homodyne phase meter for measuring
concentrations of electrons in plasma. p. 989. |

- Zabolotnikov, I. P. - Determination of the reflection coefficient in the incidence of an H₁₀ wave on a nonsymmetrical inductive diaphragm in a rectangular wave guide with a system of radiotransparent films. p. 996.
- Mirovitskiy, D. I. - Problem of synthesis of a nonhomogeneous dispersing layer (line). p. 1005.
- Savel'ev, V. S. - Calculation of the interaction of a radially diverging electron stream with an electromagnetic wave traveling in the radial direction. p. 1016.
- Zhukova, I. S., Mamnova, S. P., Odyets, L. L. - Study of conductance relaxation in Si-SiO₂-Au diode structures. p. 1026.
- Esina, N. P., Zotova, N. V., Nasyedov, D. N. - Diffusion p-n junctions with p-InAs base. p. 1031.
- Prozorovskiy, V. E., Kolesov, L. N. - Screening in film structures. p. 1036.
- Obratkov, G. V. - Analysis of the operation of an RC storage device. p. 1040.
- Sokolov, M. A. - Program for separating a signal minimizing the average risk in a multiple-link communication system with independent relay-subscriber. p. 1048.
- Kurskiy, V. N. - Decoding probability error during random coding for a binary symmetrical channel. p. 1058.
- Gel'vandov, L. N., Levinson, I. B., Fridberg, P. Sh. - Calculation of the elements of a dissipation matrix of two-slot waveguide couplings (symmetrical case). p. 1067.
- Baskakov, S. I., Kartashev, V. G. - Modeling of problems on the propagation of magnetic-type waves in hollow metal waveguides. p. 1074.
- Al'tshuler, B. L., and others. - Effect of the region of variable structure on photoelectric characteristics of diffusion heterojunctions in a system GaAs-GaR. p. 1082.
- Kirdashov, K. P. - Single-dimensional and two-dimensional filtration of spatial signals with correlated noises. p. 1088.
- Fomin, L. A. - Average time of the first attainment of boundaries of a given region by an ergodic random process. p. 1090.
- Calculation of the density of the flow of nulls, extremum and inflection points for a steady-state process. p. 1093.
- Lobyskin, V. V. - Statistical synthesis of a linear antenna taking into account phase errors in field distribution. p. 1095.
- Shein, A. G. - Contribution to the theory of a cross-shaped septate waveguide. p. 1098.
- Andrusenko, A. M., and others. - Quasioptical submillimeter band transmission line. p. 1101.
- Al'suk, L. P., Shubai, I. U. V. - Parameters of nonresonant waveguide slot radiators with rotating polarization. p. 1105.
- Kazantsev, I. U. N. - Hollow dielectric light guide with gas filling. p. 1107.
- Pechelnikov, I. U. N. - Interaction of an external electron beam with the electromagnetic field of a helix. p. 1109.
- Berlin, A. S., Davydov, V. M., Frolov, N. V. - Effect of microwave losses on the frequency characteristics of diodes with nonlinear capacitance. p. 1110.
- Balkov, I. U. G., Shvarts, N. Z., Eikin, V. S. - Limiting of signals in tunnel diode microwave amplifiers. p. 1113.
- Zharikov, V. I. - Frequency shift of a laser. p. 1115.
- Grekhov, I. V., and others. - Thyristors with regulated avalanche formation in forward and backward directions. p. 1116.
- Movchan, E. A., Shchelkanogov, V. V. - Generation of current oscillations in nonhomogeneous germanium. p. 1119.
- Taubkin, I. I. - Radiation threshold of photoelectric cells with longitudinal effect. p. 1123.
- Serebryakov, L. A., Shmulevich, L. V. - Anomalous features of secondary electron emission of thin films of fluorine magnesium. p. 1126.
- Tutikov, A. M. - Study of centers originating during the compression of beryllium oxide layers using a method involving temperature emission curves. p. 1129.
- Kartashev, V. P., Utochkin, B. A. - Use of an octupole magnetic lens in the correction of distortion-type aberration. p. 1132.
- Kulakov, A. V., Rumyantsev, A. A. - Propagation of space charge waves in an electron beam with a jump in potential. p. 1134.
- Concerning V. I. Zharikov and R. V. Khokhlov's article "Light modulators with cubic crystals." p. 1136.
- Musatov, A. L., and others. - Session of a scientific council on physical electronics. p. 1136.
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedeni; elektromekhanika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]. Novocherkassk, no. 1, Jan. 1937.
- Table of contents translated: Results and feature outlook. p. 3.
- Bron, O. B., Sushkov, L. K. - Plasma flow emanating from reference points of an arc. p. 7.
- Barnik, O. V. - Calculation of the circuits of electric arc furnaces using flux linkage curves. p. 15.
- Nagl-Zade, A. T. - Force action of a homogeneous electrical field on a single fiber strand. p. 21.
- Omeltchenko, V. T. - Determination of the overheating temperature of electrical contactors taking into consideration the tunnel effect. p. 29.
- Kalalov, G. M., Kazhdan, A. E. - Construction of the configuration of an overhead electrical network based on the geometric solution of Shetel's general problem. p. 34.
- Patapenko, V. I. A. - Use of probability and statistical modeling in the calculation of reactive loads of industrial enterprises. p. 42.
- Trifonov, V. D. - Use of modeling in the study of power supply systems of mine traction networks. p. 49.
- Volokovskiy, S. A., Gulman, E. M. - Protection of underground structures of open-pit mining enterprises from corrosion due to stray currents of electrified transport systems. p. 54.
- Ganchev, L. A. - Construction of near-optimal control systems of a high order using simple equivalent control functions. p. 60.
- Vavilov, A. A., Bezikovskiy, A. A. - Nomograms for the analysis and synthesis of astatic automatic control systems. p. 70.
- Bogdanov, B. V. - Construction of logarithmic characteristics of a closed-loop automatic control system for a case involving design according to the disturbing action. p. 82.
- Keln, V. M., Timofeev, V. A. - Graphical method for constructing frequency characteristics of a closed-loop automatic control system using amplitude-phase characteristics of an open system. p. 87.
- Novoselov, B. V. - Two-channel servo system with crossed positive feedback by the speed of executive axis. p. 92.
- Karimskiy, I. U. I., Mikhailov, V. V. - High-speed contactless directional pulsed power relay. p. 98.
- Linkovskiy, Zh. B. - Simulation of interference of electronic measuring devices. p. 105.
- Gulubintsev, V. O., Kupaev, V. M., Khuzmiev, I. K. - Control network for frequency converters using photoelectric diodes. p. 110.
- Dolgopolskiy, B. S. - Parameters of a filler of a 6 kv traction substation. p. 112.
- Koviyov, N. B. - Frequency coding of remote control data in petroleum and gas industries. p. 115.
- SVETOTEKHNIKA [LIGHTING ENGINEERING]. Organ of Ministerstvo elektrotekhnicheskoy promyshlennosti SSSR i Tsentral'noye pravleniye nauchno-tekhnicheskogo obshchestva energeticheskoy promyshlennosti [Ministry of the Electrical Engineering Industry of the U. S. S. R. and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol. 9, no. 8, Aug. 1963.
- Table of contents translated
- Epaneshnikov, M. M. - Determination of the discomfort index of two glaring light sources. p. 1.
- Knorring, G. M. - Illumination of large vertical shiny surfaces. p. 6.
- Dvornik, G. B. - Practical technique for lighting shiny vertical surfaces. p. 9.
- Matveev, A. B. - Compensation of the effect of a line of uniform radiation of fluorescent lamps on color transmission. p. 12.
- Vanitskov, M. P., Isaenko, V. I., Travlev, G. N. - Regulation range and load limits of high-pressure stroboscopic pulse lamps. p. 20.
- Sklarenko, I. P., and others. - Radioluminescent light sources with tritium filling. p. 23.
- Gakhov, A. G. - Development of lighting engineering norms. p. 27.
- Fedorov, B. F. - How to construct a simple laser for demonstration purposes. p. 27.
- Kiluev, S. A., Raltskiy, L. A. - Choice of protection apparatus taking into account the start current of the light. p. 27.
- Ivanova, N. S. - Filter Commission on the Through the pages of DL-series fluoresce...
- Vol. 13
- No. 4, Apr. 1937.
- Table of contents translated:
- Foelklisov, V. P. - Statistical modelling of semiconductor rectifier circuits using digital computers. p. 379.
- Korobkov, R. V. - New method for series-parallel multiplication. p. 389.
- Nguyen Thue Loan. - Tabular algorithm for calculating transients in linear and nonlinear automatic control systems. p. 392.
- Bisenkov, L. V., Burak, V. S., Dolgikh, V. V. - Computer system for statistical analysis of "shadow" graphs of processes. p. 399.
- Rudnev, I. U. P., Khotagurov, I. A. - Use of linear group correlating codes in parallel-type digital computers. p. 406.
- Shukshunov, V. S. - Use of analog computers in the determination of the parameters of the transfer functions of thermoelectric converters without registering the acceleration curves. p. 417.
- Krasnov, V. V. - Simulation of a diesel engine with supercharge using analog computers. p. 422.
- Kil'dishev, V. S., Tenetko, N. I., Chermisov, I. A. - Skin effect factor and distribution unit losses in round conductors with screens. p. 427.
- Novogorenko, N. M. - Measurement of electrical currents in rectangular bus lines using c.m.f. Hall transducers. p. 433.
- Pekker, I. I., Lobskiy, M. M. - Calculation of shell-type electromagnets with conical core end. p. 442.
- Serebrinskaya, E. N. - Dynamics of a current stabilizer with a movable power winding. p. 449.
- Gosley, V. I. - Designing of key-type demodulators. p. 457.
- Zinchenko, V. F. - Elimination of vibration in electromagnetic protective relays during operation with nonsinusoidal current. p. 474.
- Rozov, S. S. - Study of angular characteristics of semiconductor resistance relays. p. 479.
- Bondarenko, E. M., Dorofeev, B. G., Matveev, L. I. - Thermal and aerodynamic studies of the resistance of LE resistors during a rapid change in the flow of cooling air. p. 484.
- Aksel'rod, G. A., Donskoy, A. V., Naidenov, S. K. - Protection of thyristors in current choppers. p. 491.
- No. 5, May 1937.
- Table of contents translated:
- Bondarenko, E. N., Eublik, V. V., Simonsenko, I. B. - Method for calculating electrostatic fields for a thick layer. p. 503.

Abel, A. A. - Work practices in the television center of Kiev, an enterprise of a Communist labor center. p. 15.

Seleznev, A. G. - We are enlarging the grid of communication enterprises. p. 17.

Furman, Sh. O. - Successful development of rural telecommunication systems. p. 18.

Furman, Sh. O. - Scientific organization of labor on a large scale. p. 18.

Furman, Sh. O. - Efficient organization of labor in the village departments of long-distance telephone exchanges. p. 19.

Khachatryan, H. L. - Current problems of the economic reform. p. 22.

Tikhonova, F. M. - Operation of the Kuzbyshev long-distance telephone exchange in the new system. p. 23.

Khachatryan, H. L. - The telegraph and telephone are both busy. p. 27.

During the course of 1917. p. 28.

Contribution of Soviet telecommunication workers to the public. p. 29.

Television centers of the country prepare for the year of the anniversary. p. 30.

All-Union Conference of Long-Distance Telephone Communication workers. p. 32.

INDUSTRIES & TRADES

"DREVOBRABATYVATSKAYA PROMYSHLENNOST'" [WOODWORKING INDUSTRY] Issued by Gosudarstvennyi komitet po lesnoi, tseluluzno-bumazhnoi, derevozobrabatывaushchei promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i derevozobrabatывaushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry] Moscow, vol. 16, no. 6, June 1967.

Table of contents translated:

Gint'el, M. A., Patcia, A. D. - Specialization and prospects for the development of the furniture industry in the Ukraine. p. 1.

Babinar, V. P. - Machines for finishing furniture pieces. p. 4.

Alexandrov, E. V. - Effective puttying composition. p. 6.

Romashkin, R. M., Fomishin, B. A. - Automatic measurement of the degree of the grinding of stock in a continuous production line of fiberboards. p. 8.

Venkig, I. P. - Highly sharpened rotary cutters for cutting dovetail joints. p. 10.

Gubman, E. S. - New wholesale prices of veneer production (price list No 07-06). p. 12.

Shapiro, M. D. - Scientific organization of labor at a working place. p. 14.

Terekhov, B. P. - Furniture and wood-processing industry of Moldavia. p. 16.

Vododina, V. M., Karetnikov, V. D. - Controlling the tenon joints of wooden goods. p. 19.

Karev, A. S., Kurbakov, V. V. - Machines for preparing handles for instruments. p. 21.

Seriat, V. I. - Semiautomatic device for spring winding. p. 23.

Shaklein, G. I. A. - Manufacture of multilayer skis. p. 24.

Kokotkin, M. S. - Introducing the scientific organization of labor in auxiliary operations. p. 25.

Vitkovskiy, B. A. - Characteristics of the painting of wooden goods in an electric field. p. 25.

Medvedev, M. E., Litvinova, G. A. - Reviewing the work completed by the MMSK-1 Central Chemical and Technological Laboratory in 1965-1966. p. 28.

Buglal, B. M., Petukovskaya, M. N. - Furniture in Sweden. p. 30.

Effect of economic factors on the quality of produced furniture. p. 32.

BUMAZHINAYA PROMYSHLENNOST' [PAPER INDUSTRY] Organ of Gosudarstvennyi komitet po lesnoi, tseluluzno-bumazhnoi, derevozobrabatывaushchei promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i derevozobrabatывaushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry] Moscow, no. 5, May 1967.

Table of contents translated:

Sifonov, N. A. - Basic directions of the scientific organization of labor in the enterprises of the paper industry. p. 1.

Viatkin, D. G., Cherezov, B. A. - In the Marl land. p. 4.

Belova, T. A., Laskov, P. Kh. - White woodpulp produced from pine. p. 7.

Matushkin, A. P., and others. - Improving the technology of the production of beta-sitosterin. p. 10.

Shevchenko, A. P., Klukvin, Z. P. - Softwood is a valuable raw material for the production of paper. p. 13.

Rukhin, N. V. - Research work at the enterprises of the paper industry. p. 15.

Gauze, A. A. - Design of hydrocarbon and oil classification. p. 17.

Polakova, T. B. - Operation of sedimentation units at the Kotlas Combine. p. 20.

Kivopolev, V. M., Molokanov, A. V. - A stressed state of linings in digester. p. 21.

Nemankhin, V. N., Pikhod'ko, I. V. - Economic reform and the development of technology. p. 24.

Losev, P. P. - Methodology of the transition to an economic system. p. 25.

Fesenko, E. P., Kundlich, G. A. - International progress on Automation and Use of Computers in the Paper Industry. p. 27.

Conference-seminar on labor economy and introduction of scientific organization of labor in enterprises of the paper industry. Insert. p. 2.

Conference on the design and manufacture of paper making equipment. Insert. p. 3.

KILEBOPEKARNAYA I KONDIKERSKAYA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY] Organ of Gosudarstvennyi komitet po lesnoi, tseluluzno-bumazhnoi, derevozobrabatывaushchei promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i derevozobrabatывaushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry] Moscow, vol. 7, no. 6, June 1963.

Table of contents translated:

Rolter, I. M., Kovalenko, A. I. A. - Dependence of bread flavor on the dough preparation method. p. 1.

Kudelyayeva, L. P., Orlov, V. V., Prokhorov, A. A. - Improving the dough preparation unit of the G. I. Gallin system. p. 4.

Golovko, I. A. V. - Use of plastics in the manufacture of food machinery. p. 7.

Gus'kov, K. P., Mikhlin, I. U. A., Tul'skii, N. V. - Investigating the process of dough forming in the piston type dough divider. p. 10.

Novikovskaya, S. S. - Activation of yeast and culture by biogenetic stimulation. p. 13.

Shpakovich, P. I. - Some problems of specialization in the bakery industry. p. 15.

Zubarov, K. P. - Specialization in the bakery industry. p. 18.

Gamsakhmashvili, R. R. - Conveyor type oven for baking Georgian bread varieties. p. 20.

Pasivkin, A. I. - Experience in the operation of peel and incision mechanism for the kneading of dough. p. 21.

Kuts, E. S. - Dough preparation in the modernized KHTR make unit. p. 23.

Syrov, A. I. - Machine for washing bread flour. p. 24.

Sollamikov, S. I. A. - Weighing and proportioning device for liquid yeast. p. 26.

Larkin, A. G. - Automated water mixing tank. p. 27.

Shortcomings of the modernized KHTL dough divider unit; letter to the editor. p. 28.

Alekseev, V. A. - Graphic calculation of the transfer of steel-bushed roller chains. p. 20.

Skopin, A. A. - New varieties of biscuits. p. 32.

Polimovskiy, D. S. - Automatic distributing device for the automatic caramel wrapping machine. p. 34.

Korovin, G. N. - Using the PZA mechanism in the machine for wrapping chocolate bars. p. 36.

Rozdestvenskaya, M. - New method for preparing chocolate coating. p. 30.

Nikitin, E. - Automation of the transfer of thick fillings. p. 36.

Ignatenko, N. I. - Citric acid plant in Belgorod. p. 38.

Levochkin, N. P. - In the Irkutsk Machine Factory. p. 40.

Brikman, S., Efimova, V. - Review of the book "Manual for the bakery mechanics." p. 42.

Recognition given to the workers of the bakery industry in Moscow. p. 44.

Seminar of the workers of the macaroni industry. p. 45.

In the All-Union Council of the Scientific and Technical Societies. p. 40.

Vol. II, no. 5, May 1967.

Table of contents translated:

Romashkin, A. F. - Direct socialist competition towards the increase of industrial effectiveness. p. 2.

Grimenko, A. A. - Moscow Order of Lenin Confectionery Factory "Krasnyi Okinb" in 1965-1966. p. 5.

Nashchokin, V. V. - Rotary baking oven. p. 10.

Savolainen, E. - Automatic line for the preparation of raw materials in the production of confectionery. p. 12.

Kasimov, F. I. U., Gasanova, I. S. - New species of the whole blossoms of saffron. p. 14.

Tikhomirov, I. A. V., Tul'skii, N. V. - Shear strain of dough. p. 16.

- Marshall, G. A., Kozlovskiy, A. A. - Calculation of the self-balancing mechanism of the oscillating trough. p. 18.
- Subchenko, A. V., Levin, I. U. N. - Theory of the crystallization of saccharose from supersaturated solutions. p. 20.
- Sidanova, M. I. U., Kuznetsova, L. S. - Use of sugar-rich double-hydrolysis molasses in the production of paste. p. 23.
- Aret, V. A., Machikhin, I. U. A. - Flow of plastic masses in cylindrical molding conduits. p. 25.
- Lozenko, M. F. - Effect of the initial fermentative activity of yeast on the length of preservation. p. 27.
- Petrav, I. F. - Progressive methods and inadequate recording system in accounting. p. 30.
- Tkachenko, E. T. - Automatic preparation of continuously discharged water of a given temperature. p. 32.
- Balashkin, M. A. - Recent developments at Barnaul Bakery No. 2. p. 33.
- Grudinskiy, A. I. - Repair of rollers of the KHTZ dough-rolling machine. p. 34.
- Lenskii, S. B., Prosmushkin, M. R. - Improving the operational control of machines designed by Professor Gattlin. p. 35.
- Kas'ko, L. P. - Use of whey. p. 36.
- Makhits, G. L. - Design of a new feeding device for the SHAZ machines. p. 37.
- Volkov, I. U. E., Korpai, K. A. - Strong material for bakery floors. p. 39.
- Volkov, I. U. E., Korpai, K. A. - Freezing of small-size baked products in Czechoslovakia. p. 39.
- Kestner, V. - Equipment for the cocoa processing industry. p. 41.
- Miniaev, I. N. - Macaroni factories in Italy. p. 42.
- Il'inskiy, N. A. - Conference of the activist group of the baking industry of the R. S. F. S. R. p. 44.
- Zolotovskii, I. M., Lavina, A. S. - Conference of the workers of labor norm establishment and research laboratories. p. 45.
- KOMMUNAALMAJANDUS JA ELUKONDLIK TEENINDAMINE [COMMUNAL ECONOMY AND SERVICE INDUSTRIES].** Issued by Eesti NSV Ministri teadusliku teaduslike uurimistööde koordineerimise Komitee [State Committee of the Council of Ministers of the Estonian S. S. R. for the Coordination of Research]. Tallinn, vol. 4, no. 1, 1967. [In Estonian]
- KOZHEVENNO-OBUVNAIA PROMYSHLENNOST' [LEATHER AND FOOTWEAR INDUSTRY].** Organ of Ministers also legkot promyshlennosti SSSR and Tsentral'noe pravlenie NTO legkot promyshlennosti [Ministry for Light Industry of the U. S. S. R. and the Central Administration of the Scientific Technological Society of Light Industry]. Leningrad, vol. 9, no. 3, May, 1967.
- Table of contents translated:
Let us honor the anniversary of the October Revolution. p. 1.
- Zhukov, A. M., Lev, M. V. - Increase the supply of raw materials for the shoe industry and the effective use of hides. p. 3.
- Rodionov, A. M. - Basic directions of the research work of the All-Union Scientific Research Institute of the Fur Industry from 1966 to 1970. p. 6.
- Arbuzov, S. V. - New standard methodology for the production of stiff leather from pig hides. p. 9.
- Tanals, N. B. - Pay more attention to the organization of the work of modelmakers. p. 11.
- Skatov, V. A. - Possibility of the use of electronic digital computers in the shoe industry. p. 12.
- Ovchinnikov, E. S. - Choice of the minimal quantity of indices determining the quality of leather. p. 14.
- Zhukov, I. U. A. - Unit for testing the wear resistance of shoes under dynamic conditions. p. 17.
- Kuleshov, E. M., Il'inskiy, D. I. A. - Influence of defective parts on the effectiveness of the work of semi-automatic machinery. p. 20.
- Adigezalov, L. I., Shvarts, A. S. - Intensification of the primary drying of shoes. p. 22.
- Kunashov, V. F., and others. - Split as valuable leather material for the manufacture of shoes. p. 25.
- Koinceva, A. V., Verbitskaya, I. D. - Processing of light-colored goat leathers. p. 27.
- Kadachigov, A. S. - Feed bin for loose materials. p. 29.
- Levenko, P. I., Pinnatus, A. A. - Shoe manufacture in Great Britain. p. 30.
- Kholodskii, M. - Increase of the output of splits and improvement of the quality of leather made from them for shoe uppers and leather notions. p. 33.
- Mastova, V. - In the Scientific Technological Society of the Light Industry. p. 34.
- A. S. Rovenskii; obituary. p. 35.
- Vol. 9, no. 4, Apr. 1967.
- Table of contents translated:
Kuratis, S. A. - Role of science in the development of the Soviet tanning materials industry. p. 1.
- Goals of shoe manufacturers. p. 5.
- Savitsova, T. N. - Green light to the initiative of the weaver V. N. Plotnova. p. 6.
- Inozemtsev, D. S. - Increase of the production effectiveness on the basis of an economic analysis of labor expenditures. p. 8.
- Baldaev, B. A., Gurev, I. A., Gyzlova, T. A. - Scientific labor organization in the leather industry. p. 11.
- Popova, L. N. - Ways and means of mechanizing the cleaning of production sites. p. 14.
- Miglichenko, A. F., Ivanov, A. F. - Effect of moisture on the wear resistance of sole leathers. p. 16.
- Voisekhovskii, V. L., Fedorova, I. M. - Volumetric-complexometric determination of the amount of zinc content and chromium in leathers. p. 18.
- Tumarkina, I. D., Alekseenko, V. I., Abramova, V. V. - Artificial leather made from a modified polyamide. p. 19.
- Beinshteyn, M. M. - Basts for the thickness limits of the parts of a shoe lower. p. 22.
- Tumashova, S. V., Gordeeva, V. G. - More attention to the design of shoes from artificial leather. p. 24.
- Vidomenko, V. R., Chistilov, M. A. - Finishing of leather soles by hot pressing. p. 27.
- Babey, E. A., Tkachenko, A. I., Lifonko, B. L. - Molded half insoles from plastics. p. 28.
- Kuz'min, A. M. - Finishing the parts of shoe uppers and lowers. p. 30.
- Levenko, P. I., Pinnatus, A. A. - Footwear production in England. p. 32.
- Rustina, V. M. - Results of the all-Union socialist competition in the fourth quarter of 1966. p. 37.
- V. A. Gruzdev; obituary. p. 39.
- A. N. Udodovskii; obituary. p. 40.
- MIASNAYA INDUSTRIYA SSSR [MEAT INDUSTRY OF THE U. S. S. R.].** Organ of Ministerstva miasnoi i molochnoi promyshlennosti SSSR and Tsentral'noe pravlenie Nauchno-issledovatel'skogo obshchestva pishchevoi promyshlennosti [Ministry for the Meat and Dairy Industry of the U. S. S. R. and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 38, no. 5, May 1967.
- Table of contents translated:
Socialist obligations of the workers and the scientific, engineering, technological and office staff of the meat and dairy industry of the U. S. S. R. in honor of the 50th anniversary of the Great Socialist October Revolution. p. 1.
- Shubtildze, M. - Let us carry out our assumed obligations. p. 3.
- Krasnopol'skii, I. A. - Brief results of the realization of the plan for the first quarter by republics. p. 4.
- Zamanskaya, M. - Methodological recommendations for the scientific organization of labor. p. 6.
- Ermakov, S. - What we have gained from the scientific organization of labor. p. 8.
- Smachkova, L. - Scientific organization of labor in action. p. 10.
- Krischuk, N. - Graded cuts and marketing difficulties. p. 13.
- Sheffer, A. - Intensify the introduction of progressive refrigeration technology. p. 14.
- Vasin, A., Shelnberg, A. - Automatic waxing of water birds. p. 16.
- Maichenko, A. - Determination of sulfur in the muscle tissue by paper photometry. p. 20.
- Gimelfarb, N. - New design of a unit for processing pig heads. p. 23.
- Ponomarev, L., Torpilgorov, P. - Improving singeing ovens. p. 25.
- Kamarskii, F. - Sausage frames from found iron. p. 26.
- Zhadin, V. - Pneumatic-hydraulic transportation of leathers. p. 27.
- Gotdman, E., Gudkova, M. - Smoked and baked products. p. 28.
- Gorbator, V. - Work results of the All-Union Scientific Research Institute of the Meat Industry. p. 30.
- Sergoov, A. - Second all-Union public checkup on the utilization of scientific and technological achievements. p. 32.
- Lobov, K. - Work results of the All-Union Scientific Research Institute of the Poultry Processing Industry. p. 33.
- Kashitina, V. - Utilization of new techniques and scientific research results in industry. p. 35.
- Golovkina, M., and others. - Effect of a vitamin preparation made from rose fruit on the aging of meat. p. 36.
- Shun', F. - Losses in the processing of helminth-infested cattle. p. 38.
- Ovsianikova, M. - "Meat Industry" pavilion honors the anniversary. p. 39.
- Gol'tsyan, A. - Recommending new output norms for sausage products. p. 40.
- Fedorov, I. - Yearly results of work and new problems discussed at zonal conferences. p. 42.
- Conference of the activist group of the meat industry of White Russia. p. 42.
- MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE].** Organ of Gosudarstvennyi komitet zagotovki Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U. S. S. R.]. Moscow, vol. 33, no. 4, Apr. 1967.
- Table of contents translated:
Efimov, S., Pitmanov, A., Andrin, L. - Technical and chemical control as a guaranty of the preservation of grain and high quality of production; survey of the work of the laboratories of grain receiving and grain processing enterprises. p. 1.
- Semik, P. - System of enterprises of the grain product and mixed feed industry in the Ukraine during the anniversary year. p. 3.
- Donetz, I. - Collective of the Gudermes Receiving Grain Center to honor the Great October. p. 5.
- Aizkovich, L., and others. - From the history of the development of Soviet flour milling, 1917-1922. p. 6.
- Sakharov, D. - Growth of the procurement of grain and grain elevators in Kakhelav Province. p. 10.
- Selitskii, I., Suppes, V. - Prepare carefully for the unloading of heavily loaded trucks in Kazakhstan. p. 14.
- Zelinskii, G., Komyshnik, L. - Drying portions of grain of various moisture in gas recirculation grain dryers. p. 15.
- Voronuk, N. - Effect of grain germination power on the resistance during storage and on baking qualities. p. 16.
- Manulov, A. - Protect grain storage from granary pests. p. 19.
- Beinshteyn, I. - Clarify the procedure on the distribution of general expenses at grain combines, from the practices of the Kishinev Grain Product Combine. p. 20.
- Shaferman, M. - Increasing the reliability of the TPKh screw conveyor. p. 21.
- Romanenko, V. - Some problems from the construction of elevators, from the practices of building the Velichkovo Elevator. p. 22.
- Vahlskii, M., Zubeev, K. - Designs for creating the maximal reduction of dust content of air in elevators. p. 24.
- Zotov, B., Novominskii, M. - Oldest technical schools for training specialists in the flour milling and grain storage industry. Moscow Polytechnic School is 75 years old; Novochokarsk Mechanical and Technological Technical School is 45 years old. p. 26.
- Vol. 33, no. 5, May 1967.
- Table of contents translated:
First of May in the anniversary year. p. 1.
- Prepare for a good future harvest. p. 2.
- Kovalay, I. U. - We hold the banner of advanced enterprise high. Odessa Port Elevator. p. 4.
- TSinberg, V. - At the Orenburg Mixed Feed Mill prepare to honor the anniversary of the Great October. p. 5.
- Strat'lov, N. - At the Novorossiysk Mill Combine; cherished memory of the heroes of the Great Patriotic War. p. 7.
- Aizkovich, L., and others. - From the history of the development of Soviet flour milling (1923-1940). p. 8.
- Dann, A., Polunina, N. - New organizational notes and introduction of technological processes at mixed feed enterprises. p. 12.
- Monzul', V. - Improving the system in the continuous receiving and processing of grain, practices at the Kamenskoye Grain Receiving Station. p. 15.
- Damskii, A., Tamarov, E., Chernolukov, A. - Mills for rural flour milling. p. 16.
- Babushkin, M. - Volchika flour Rural Mill introduced pneumatic transportation. p. 18.
- Karpenko, A. - Economic incentives in action. p. 19.
- Chukhar'ko, Z., Romanova, N. - Costs and profits at grain receiving enterprises. p. 20.
- Lovtsev, B. - Role of profit in economic stimulation. p. 23.
- Maslov, I., Pan'kov, P. - Granulated mixed feeds for poultry. p. 26.
- Bardyshev, G. - Machines for packing sacks with production on pallets. p. 29.
- OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE].** Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovle [State Committee of the Council of Ministers of the U. S. S. R. for Commerce]. Moscow, nos 6-7, June-July 1967.
- REFERATIVNYI ZHURNAL LEKKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY].** Issued by Vsesoluznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 6, June 1967. [This journal is also issued in parts.]
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologii legkot promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of Light Industry].** Moscow, no. 2(56), 1967.
- Table of contents translated:
Kim, S. A. - Methodology for the determination of the economic effectiveness of the introduction of new machinery in the enterprises of the light industry under the conditions of the economic reform. p. 3.
- Isprian, G. P., Rozhok, V. D. - Study of the influence of the centralization of pattern cutting on the effective utilization of stiff leathers and hides by programming methods. p. 7.
- Chmelev, V. S., Ispryan, G. P., Chertkov, B. S. - Methodology for the calculation of individual assignments for cutters. p. 14.

- Akulov, A.I., Gladkov, E.A. - Equipment for automatic guiding of welding torch along a built, p.40.
 Kazakov, I.U., Kravtsov, A.D. - Electric current supply to vibration arc, p.42.
 Volkov, O.M., Levin, A.V. - Fire hazards in welding and cutting, p.43.
 Gerasimov, G.I. - Methods of estimating properties of welded joints, p.45.
 Sonkin, E.A., Mogus, E.P. - Conference on heat-treated low-alloy steels, p.45.
 Dilyata, A.T. - Scientific and technical conference on welding high-strength steels, p.46.
 Tushin, A.P. - School of progressive practices at Ordzhonikidze Plant of Railroad Car Republic, p.47.
 No.5(301), May 1967.
 Table of contents translated
 Greeting for the 50th anniversary of the Great October socialist revolution, p.1.
 Sevbo, P.T. - Research by the P.O. Paton Institute of Welding Institute on the design of welding equipment, p.2.
 Zemtsov, V.N., Polkov, G.L. - Effect of metallic plates on properties of deposited nonmetallic steel, p.6.
 Mol'nikov, N.P., Dovyhenko, A.S. - Hydrothermodynamic elements of inlet-walled vessels in 22K steel under axial tension, p.9.
 Naumov, N.I. - Resistance to fatigue of 16GSM steel joints made by electric arc welding, p.12.
 Zabolotskiy, V.M. - Effect of conditions of stress application on expansion in tensile steel specimens to forming cold cracks during welding, p.14.
 Voznyavskiy, M.V., Olebnikov, A.A. - Investigating diffusion joints of steel-heterogeneous metals by the method of X-ray spectroscopy, p.20.
 Khueva, T.B., and others - Weldability of high-alloy chrome-nickel-manganese steels, p.19.
 Sidorov, A.N. - Electric arc welding of high alloy steels of different classes, p.22.
 Zakharenko, M.V., and others - New alloys for electrodes of resistance-welding machines, p.25.
 Savchenko, V.A., Orlov, S.I. - Investigating welding properties of SV-08G2S wire made in extrusion blown converter, p.27.
 Kobylitskiy, I.P., Peshchikov, V.D. - Fatigue of KhlON10T-nitro sheet joints made by argon arc welding, p.20.
 Pechenik, V.T., and others - Resistance of tungsten electrodes during pulsation welding with reverse polarity arc, p.31.
 Koptman, L.N., Mukanov, Kh. Kh. - Electric arc welding of crane track rails, p.32.
 Gal'perin, M.A., Bakhvalov, G.N. - Mechanical properties of composite joints in transmuting automobile parts, p.34.
 Maslov, V.A., Semanova, L.A. - Corrosion resistance of OKht3(1491) steel and its weldments in certain process solutions, p.37.
 Chirzhov, S.I., Kuznetsov, F.V., Terent'ev, V.V. - Arc welding of zinc, p.39.
 Kofman, A.A., Novitskiy, V.I.A. - Automatic submerged arc welding of aluminum alloy, p.40.
 Bogushevskiy, S.F., Zavedeev, V.I. - Argon arc welding of steam superheating pipes in 12KhMF steel, p.41.
 Guvelich, I.I., Levin, V.V. - Wear-resistant hard facing of dredge buckets, p.42.
 Kostenko, D.A., Rovenko, V.N. - Fiberglass magnets for welding in carbon dioxide, p.43.
 Prodan, R.I., Somilenko, I.M. - Brazing of ceramic contacts, p.44.
 Ginzburg, S.K., Mitkevich, A.M., Nosov, M.G. - Forming joints in ultrasonic welding of metals, p.45.
 Krasovskiy, A.I. - Twentieth Congress of the International Welding Institute in 1967, p.88.
 Marsanov, G.A. - Annual report of the Commission "Testing, measuring, and controlling the quality of welding joints," presented to the 10th Congress of the International Welding Institute held in Delft (Netherlands) in July 1966, p.69.
 Dmitriyev, G.M. - Scientific technological conference on welding and soldering, p.62.
 *MECHANICAL ENGINEERING
 AKADEMIYA NAUK SSSR. Izvestiya, Energetika i transport (ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Power Engineering and Transportation), Moscow, no.1, Jan.-Feb. 1967.
 Table of contents translated:
 Markovitch, I.M., Rokolnik, S.S. - Pressing problems in the development of science in the field of electric power systems, p.3.
 Duno, P. - Analysis of the schematics of electrical networks using digital computers, p.8.
 Ionkin, P.A., Mol'nikov, M.A. - Relationships between parameters of linear electrical networks, p.15.
 Kostenko, M.V., Shkarin, I.U. - Calculation of the parameters of a high-frequency channel in electric power transmission lines, p.24.
 Aleksandrov, G.N., Ivanov, V.L., Redkov, V.P. - Distribution of predischarging durations in the action of flat oscillatory voltage pulses on long air gaps, p.33.
 Andreeva, M.V., Morganyan, P.V. - Study of the distribution of algots and indigols in a lavan-concretion mixture, p.90.
 Avdunina, Z.P., Ershov, A.P., Kharkharov, A.A. - Study of the possible use of dyes containing quaternary ammonium groups for the formation of a covalent fiber-dye bond, p.96.
 Kon'kova, T.A., Betsen'kii, L.I. - Study of the behavior of active dyes in binary mixtures during the dyeing of cellulose fabrics, p.102.
 Mizerovskiy, L.N., Bykov, A.N. - Thermal oxidative destruction of dyed capron fibers, p.108.
 Orlov, N.F., Androsova, M.V. - Phosphorylation of polyvinyl alcohol fibers with phosphorus acid esters, p.113.
 Vtushin, V.D., Shingarev, R.V. - Effect of the parameters of the heat-transfer agent and of the layer on the drying process of dyed cotton, p.119.
 Klenov, V.B. - Filtration of liquid through a layer of deformed textile materials, p.120.
 Shister, R.N. - Experimental study of the spraying chamber in case of small coefficients of spraying and short sprayed areas, p.131.
 Khalezov, L.S. - Loss of pressure in undersea pipelines with various shapes of suction intakes, p.137.
 Vasil'chikov, S.A., Suprunov, V.A. - Study of metallic iron-copper alloys as construction materials for the manufacture of printing rollers, p.145.
 Nelesov, V.P., Isayev, A.N., Emel'yanov, A.P. - Testing the mechanism for looped warp feeding in the weaving of lerry cloth, p.150.
 Aligashov, I.L. - Differential equations of the plane motion of yarn deformed by drawing and flexing following the Hooke law, p.156.
 Dolinskiy, F.V., Krylov, V.V. - Theory of impact stresses in the shuttle of a loom, p.162.
 Savarenko, V.V., Iudin, E.K. - Electrometric and rheological determination of the stability of polymeric materials used in the textile industry, p.169.
 Feiman, I.I. - Sharpening the curved edges of cutlery, p.173.
 Erokhin, I.U. - Modernization of the basic planetary control gear of automatic looms, p.76.
 SLUZHBА BYTA [SERVICE INDUSTRIES]. Issued by Ministerstvo bytovogo obsluzhivaniya naseleniya RSFSR and TsK Prosotuzha rabochikh kommunal'no-bytovykh predpriyatiy [Ministry of Service Industries of the R.F.S.S.R. and the Central Committee of the Trade Union of Workers of Service Enterprises], Moscow, vol 5, nos. 5-6, May-June 1967.
 *SVAROCHENIYE [WELDING].
 Otyashchenko, V.G. - Council of the USSR on Science and Technology] and others, Moscow, no.3(389), Mar. 1967.
 Table of contents translated:
 Demantsev, V.P. - Mechanism of hot crack formation during welding, p.1.
 Vinokurov, V.A. - Tempering of welded structures, p.5.
 Bezbakhi, D.K. - Effective heat capacity of the arc in certain methods of consumable electrode welding, p.8.
 Smirnov, A.G., Liubavskiy, K.V. - Selecting conditions of concurrent heating in welding VL-ID sheet steel, p.10.
 Zhukov, M.B., Shuykov, A.A. - Reducing residual formations during arc welding of heat-treatable steels, p.13.
 Rachitskiy, D.I. - Assembly line for pulling together and welding of conveyor roller bearings, p.16.
 Nikiforova, Z.V., Nostrov, B.M., Sharov, A.A. - Soldering molybdenum and tungsten with tin-base filler metal, p.19.
 Kravchik, M.M. - Characteristics of brittle failure of welded structures in rolling stock and measures to prevent them, p.22.
 Dobrovashin, L.A., Budnik, N.M. - Multiple-electrode electric arc welding, p.26.
 Shevtanov, D.P. - Electron-beam welding of EI437BU alloy to EI18 alloy, p.28.
 Tretyakov, F.E., Vaks, I.A., Prokhorova, K.A. - Pulsation argon-arc welding of small-thickness titanium alloys, p.30.
 Dem'yanovskiy, K.I., Bykov, V.I. - Condenser energy-storage welding of tool steels and hard alloys, p.32.
 Klementov, V.I., Kotomilchanko, V.V. - Lengthening service life of machine parts by multiple-electrode hard facing, p.33.
 Podlanskikh, V.G., Liubavskiy, V.N. - Increasing the reliability of roller welding of bellows, p.36.
 Genkin, I.A., Potapova, N.A. - Reconditioning of iron castings by electric-arc welding, p.37.
 Buki, A.A., and others. - Reconditioning parts of building machines by open-arc butt-up welding, p.37.
 Ivanutenko, A.A. - Hard facing of alloyed steels and nonferrous metals for parts of foundry machines, p.38.
 Savinovskiy, G.K. - Two-side welding of girth joints on shell with 200-250 mm. diameter, p.39.
 Fainshteyn, E.G., Gorodetskiy, A.S. - Equipment for cleaning and winding electrode wire around the reel, p.40.

- Kalsen, V.D., and others. - Results of the measurement of internal overvoltages in operational 500 kv. power transmission systems. p.39
- Dzhubarly, Ch.M., Dmitriev, E.V. - Use of characteristics technique in the solution of the equations of a 1-wire electric power transmission line. p.48
- Zuev, E.N. - Analysis of the dependence of voltage and power losses on the magnitude of reactive parameters of electric power transmission lines p.54
- Palkin, L.N. - Determination of trajectories of charged particles moving in the field of a corona discharge. p.63
- Gel'man, A.E., Moiseeva, L.N. - Technical and economic effectiveness of the consolidation of condensing blocks. p.67
- Golbin, D.A. - Functions of the distribution of the probabilities of available power of block-type electric power plants. p.83
- Dranitsyn, S.N. - Optimal preventive maintenance in some complex systems. p.92
- Petukhov, B.S., Roizen, L.I. - Heat transfer in turbulent flow of gas in round pipes. p.103
- Neustrueva, E.I., Anikido, T.T. - Effect of underheating on the development of boiling crisis in non-equilibrium two-phase currents. p.113
- Varshavskii, G.A., Rezgl', I.A. - Analysis of characteristics of single-stage solar power system with a thermoelectric converter. p.120
- Ivanov, V.V., Salomatin, V.V., Chekhovitch, V.IU. - Quasi-stationary condition in radiationally-convective heating of bodies. p.127
- Gegin, A.D. - Effect of designing blades for small elongation on the characteristics of an axial compressor. p.130
- Vakhromycheva, M.N., Dorogov, B.S., Kutishchev, G.P. - Optimal parameters of refrigerating plants operating in a gas regenerating cycle with heat radiation. p.139
- Avlonomov, G.E., Kuvshinov, N.A., Cherniatin, I.A. - Distribution of the probabilities of dynamic pressure maxima in hydraulic turbine conduits with load drops. p.147
- Fomichev, M.S. - Study of speed and pressure pulsations in the zone of discrete vortices of a submerged half-jet. p.155
- AKADEMIA NAUK URSS, Kiev. Institut mashinostroyeniya i avtomatizatsii. Nauchnye zapiski. Seriya mashinovedeniya [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Machinery and Automata. Studies. Series in Mechanical Engineering]. Kiev, vol. 9, 1964. Voprosy mashinovedeniya i prochnosti v mashinostroyeni [Problems of mechanical engineering and strength of materials in the manufacture of machinery].**
- Table of contents translated
- Chernukha, I.U.A. - Investigating the stability of shallow arches. p.3
- Zoril, L.M. - Stability of a rod subjected to non-conservative loads. p.23
- Leonov, M.IA., Libatskii, L.L. - Contour stress caused by pure torsion of single-connected rods. p.35
- Leonov, M.IA., Libatskii, L.L. - Determining contour stress caused by the torsion of multi-connected rods. p.51
- Podstrigach, I.A.S., Gembara, V.M. - Equations of heat conductivities of anisotropic plates and shells. p.55
- Gembara, V.M. - Some problems of heat conductivity of plates and shells of variable thickness. p.65
- Ivrem, S.IA. - Solution of the temperature problem for a shallow spherical shell subjected to concentrated heating. p.80
- Glushchenko, I.P. - Calculation of elastic nonlinear strains with minor deflections. p.80
- Glushchenko, I.P. - Approximate design and adjustment of a chain contour with a regulated center distance. p.98
- Babel, I.U.I. - Dynamic analysis of the IMA-30 fatigue-testing machine. p.108
- Ripetskii, S.I., Romanov, O.N. - Stabilization of loading in the process of fatigue testing. p.118
- Maksimovich, G.G., Ianchishin, F.P. - Effect of roll burnishing on the strength of duralumin in active liquid media. p.129
- Romanov, O.N., Vyval', I.P. - Investigating the changes in endurance properties of 20 steel under the action of cyclical torsion. p.134
- Gutantskii, A.A., and others. - Machine for testing materials for wear and antiseizing properties. p.143
- Gutantskii, A.A., and others. - Antiseizing and antifriction properties of metals in engine-pump parts. p.148
- Tynnyl, A.N., Vasilenko, I.I., Mikulishin, S.I. - Changes in the structure of surface layers caused by wear. p.152
- Gutantskii, A.A., and others. - Effect of heat treatment of the blades of hydraulic pumps on their wear. p.158
- Tabinskii, K.P. - Automatic recording unit for investigating friction characteristics of materials. p.165
- Tabinskii, K.P. - Investigating the regularity of the wear of a cast-iron friction pair. p.175
- Tabinskii, K.P. - Effect of the structure and hardness on the wear of modified copper cast iron. p.182
- AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet avtotransportnogo i sel'skokhozyaistvennogo mashinostroyeniya pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.33, no.5, May 1967**
- Table of contents translated
- Iusufovich, B.E. - Scientific organization of labor is an important potentiality of industrial production. p.1
- Shesluchin, V.I. - Effect of the type of governor on the fuel on the fuel-saving capacity of a motor vehicle operating under unsteady loading conditions. p.3
- Tarasov, A.IA. - Experimental investigation of the vibration of motor vehicles with V-shaped six-cylinder engines. p.6
- Gornushkin, I.U.G. - Using electronic computers in processing indicator diagrams of engines. p.9
- Nabul, A.N. - Reversing a drive with a hydraulic torque converter. p.11
- Petushkov, V.A. - Dynamic factor of a motor vehicle considering properties of a wheeled vehicle. p.14
- Filatov, P.G. - Investigating the performance of the hydraulic drive for motor vehicle brakes at low temperatures. p.18
- Mukhin, M.L., Alekseeva, L.E. - Investigating radiators for automobiles. p.20
- Sharikhin, I.U.E., Voiskii, S.G. - Cohesion of tires caused by the driving of a motor vehicle on dry sand. p.23
- Gorelov, L.R., Eshelstov, I.U.A., Karuzin, O.I. - Experimental investigation of temperature conditions of the clutch of the "Moskvich" automobile. p.25
- Sanchuk, I.A.E., Rass, T.G., P'ankova, T.I. - X-ray diffraction measurement of mechanical stresses in motor vehicle parts. p.27
- Kholkin, A.I. - Magnetic dynamometer for checking the hardness of steel and cast-iron parts and billets. p.29
- Lashchikov, S.M. - Electrostatic percussive welding of the frames of motorbus seats. p.31
- TSosliuk, A.P. - Economic painting of parts. p.33
- TSirlin, I.IA. - Reconditioning hard-alloy draw plates by the electric-erosion method. p.34
- Sintayn, V.T., Khamin, I.U.V., Smirnov, A.S. - Nomenclature for determining the cutting force for circular merchant shapes on presses and pressed sheets. p.35
- Talovonov, V.N. - Automatic pneumatic knockout. p.38
- Zubakhi, A.G., Laylshev, G.V., Tol'skii, V.E. - Seminar on the reduction of noise of engines, motor vehicles, and tractors. p.39
- K.P. Ivanov; on the occasion of his 50th birthday. p.46
- AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstva avtomobil'nogo transporta i shosseinykh dorog RSFSR and Tsentral'nyi komitet Profsoyuzov rabotnikov aviatsii, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol.45, no.5, May 1967.**
- Table of contents translated
- Organizational and technical measures for effective utilization of potentialities. p.1
- Five-day working week in automotive transportation. p.4
- Slobodnikov, V. - Center for the promotion of technical and economic knowledge. p.6
- Saikovskii, A. - From hanging back to leading workers. p.8
- At the Presidium of the Central Committee of the Trade Union. p.10
- Kzjaklov, V. - Voluntary design bureau. p.10
- Scientific organization of labor is on the agenda. p.12
- Karpanov, V. - Planning the operations of automotive transportation under new conditions. p.14
- Bash, M. - Norms for the formation of funds in automotive transportation enterprises. p.10
- Pavlovichev, M. - New unified rates for freight haulage by automotive transportation. p.19
- Korezdilov, V. - Working under new conditions. p.22
- Sorokin, I. - Railroad and motorbus terminal in Chel'yabinsk. p.23
- Tikh, V. - The 500-002 cash boxes. p.24
- Kobrits, L. - New motorbus terminal in Omsk. p.25
- Povorozhenko, V., Mandritsa, V. - Reducing expenses for grain transportation. p.26
- Gaidar, N. - Automotive transportation of tomato puree. p.27
- Eystratov, A., Zlazev, V., Burnosov, S. - Transportation conditions for mineral fertilizers. p.28
- At the Board of the Ministry. p.29
- Annual inspection. p.30
- Zinov'ev, V. - Unit for brake service. p.32
- Sheheslavskii, A. - Automatic fire inflation unit. p.33
- Sokolov, A., Shutaev, B. - Testing oil quality in operation. p.35
- Zhirnov, A., Ulianov, V. - New developments at the motor-vehicle repair plants in Donetsk Basin. p.38
- Morozov, A. - Repairing the cast-iron head of the block. p.40
- Pantukh, M. - Electrolytic copper coating. p.41
- Lysov, A. - Repairing block heads. p.43
- Sirotkin, Z., Bekhterev, I.U. - The Bel-AZ-548 high-capacity dump truck. p.44
- Morozov, I.U. - The K-126B carburetor. p.48
- Aleksandrov, L. - Using programmed instruction. p.51
- Finkel', A. - Legal claims. p.53
- Averbukh, A. - Instruction should be amended. p.53
- Voskresenskiy, A. - Repairing the bracket of the gear-shifting shaft. p.54
- Tohmachev, L., Ogushevich, M. - Gun for filling electrolytes. p.55
- Korotun, N. - Stand for dismantling storage batteries. p.56
- Rabchenko, A. - Mandrel for reconditioning bearing seats. p.56
- Pustolov, B. - Device for expanding brake pipes. p.57
- Information. p.58
- Norms for the formation of funds in automotive transportation enterprises. M.Bash. Aviatsiamp. 15 no.5/16-19 May '67.
- AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Issued by Ministerstvo vysshego i srednego spezial'nogo obrazovaniya USSR [Ministry of Higher and Secondary Specialized Education of the Ukrainian S.S.R.]. Kiev, no.3, 1966.**
- Table of contents translated
- Lemesko, N.M., Posypal, V.G., Rubinskaya, I.V. - Using mathematical methods and computers in planning transportation of construction equipment. p.3
- Klimets, B.I. - Using a.e. analog computers in solving network transportation problems. p.8
- Klimets, B.I. - Solution of multidimensional transportation problems of linear programming. p.14
- TShuman, V.P. - Some problems in the theory of utilization of transportation, loading and unloading means in agricultural production. p.21
- Varfolomeev, V.N., Govorushchenko, N.IA., Kaminskaya, D.A. - Establishing technical conditions of motor-vehicle brakes on a stand with racing rollers. p.31
- Prikhodko, L.S., Kostrov, N.M., Sheherbak, A.A. - Devices for measuring fuel consumption and rarefaction in the suction piping of a motor-vehicle engine. p.39
- Selunin, V.M. - Effect of the type of pavement and loading of a motor vehicle on the wear of main transmission. p.43
- Govorushchenko, N.IA., Gogalzel, A.V. - Establishing technical condition of power transmission units of a motor vehicle. p.49
- Aseev, N.V., and others. - Effect of the oil filtration system on the characteristics of lubricating medium of motor-vehicle engines. p.55
- Diumin, I.E., Presman, V.I., Strizhenko, B.U. - Investigating the durability of the cylinder block of the ZIL-130 engine. p.61
- Kapova, E.I., Terletskaya, L.S., Baateeva, N.D. - Effect of various media on the strength of polyamide coatings. p.66
- Meikov, V.P. - Investigating the strength of the bond of electrolytic iron with steel in reconditioning machine parts by the method of cold ion plating. p.71
- Lelik, V.A. - Investigating the wearing-in process of the pair ring-bushing. p.77
- Leushin, I.U.A., Potrichenko, A.M., Solntsev, L.A. - Resistance to shearing as an index of wear resistance of cast-iron distributing shafts of motor-vehicle and tractor engines. p.84
- Vol'skii, S.G., Bezborodova, C.B., Kosharnyi, N.F. - Experimental investigation of support and cohesion properties of wheeled vehicles at low speeds. p.88
- Golomidov, A.M., and others. - Investigating the process of ascending movement of a motor vehicle with front driving wheels. p.99
- Gembom, B.B., and others. - Energy storage of brake mechanisms of the LAZ-095E motorbuses on mountain routes. p.104
- Luk'annei, I.U.I. - Side stability of motor vehicles with all driving axles. p.109
- Shumilakovskii, P.I. - Investigating the effect of the two-range master transmission on the average operating speed of a motor vehicle. p.118
- Shumilakovskii, P.I. - Determining relations of gear ratios of the two-range master transmission of motor vehicles. p.125
- Gembom, B.B., Dem'ianuk, V.A. - Analytical determination of starting time and course of motor vehicles with single-stage hydraulic torque converters. p.131
- Boklag, V.M., Mitropan, D.M. - Analyzing the process of the turn of a linked tractor. p.139
- Borozniak, I.U.P. - Determining the radius of the rolling of a motor vehicle wheel driven on an undistorted surface. p.140

pressors with labyrinth pistons. p. 39.

effect of alloying and thermal treatment on strength, increase and cavitation resistance of alloys with
ing malleonite, p.29.

- Zhdanovskii, N. S., Nikitin, M. D., Zuev, A. A. - Effect of the heat insulating coating to the bottom of a piston on the wear resistance and the operating process of a motor. p. 32.
- Tekhl, V. P., Kupeyshtok, S. N. - Residual stresses in shot-jet cleaning of turbine blades. p. 34.
- Levental', G. B., Khiliev, L. S., Ivanov, O. A. - Determination of the effect of climatic conditions on the fluctuations in available power of peak-load gas turbine systems. p. 35.
- Bolotinikov, A. A., Osherovskii, S. I. - New method for determining the position of the center of gravity of the blade of a Kaplan turbine. p. 36.
- Chernyshevskii, I. K. - Series turbine. p. 41.
- Laskin, A. S., Stolanov, F. A. - Device for dynamic calibration of devices for measuring nonsteady pressure in lattices of turbomachines. p. 43.
- Dekhtiarov, V. L., and others. - Condenser for carbon dioxide power systems. p. 44.
- Robyshev, V. N., Merentsev, S. P. - Methodology for determining diesel costs taking into their technical and economic indices. p. 45.
- Vengei, E. P. - Advanced pipe bending methods in foreign countries. p. 47.
- Shapiro, L. V. - 150 Mw. block for the "Paradise" power plant in the United States. p. 48.
- *FIZIKO-KHIMICHESKAYA MEKANIKA MATERIALOV [PHYSICO-CHEMICAL MECHANICS OF MATERIALS]. Issued by Otdeleniye fiziko-tekhnicheskikh problem materialovedeniya Akademii nauk Ukrainy SSR [Department of the Physicochemical Problems of the Study of Materials of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 3, no. 2, 1967.
- Table of contents translated
- Makstunovich, G. G., Naghnyi, S. V., Drozd, N. P. - Stability of the plastic and fatigue properties of XC180T steel under prolonged static load in a vacuum and in liquid lithium. p. 123.
- Popovitch, V. V., Shlyak, I. G., Chayevskii, M. I. - Effect of lithium on the mechanical properties of Armo iron. p. 127.
- Study on the kinetics of the dissolution of metals in metallic melts by the method of the rotating disc (copper-lead system). p. 134.
- Bratnov, S. M., Karatushin, S. I. - Effect of liquid lead-antimony melts on crack formation in deformable steel. p. 142.
- Khilariashvili, M. G., Vastlenko, I. I., Babnet, I. U. - Character of polarization curves in the case of corrosion cracking. p. 144.
- Markovich, V. N., Romanov, V. V. - Corrosion of Armo iron under stress in an acid medium. p. 149.
- Pushkina, S. V., Bondarev, V. N., Romanov, V. V. - Corrosion fatigue of Armo iron in acid medium. p. 153.
- Minduk, A. K., and others. - Corrosive activity of aqueous solutions of sulfuric acid. p. 157.
- Gutman, E. M., Petrov, L. N. - Adsorption of corrosion inhibitors on mercury and steel. p. 165.
- Vasilenko, I. I., Tkachenko, N. N., Liskovich, I. U. - Protection from corrosion cracking of high-strength carbon steel with the aid of acid corrosion inhibitors. p. 169.
- Daliso, V. B., Pokhmurskii, V. I., Karpenko, G. V. - Effect of diffusion chromizing on certain physical and mechanical properties of carbon steel. p. 172.
- Ponomarenko, E. P. - Mechanical properties of a diffusion chromized layer. p. 178.
- Zamikhovskii, V. S., Pokhmurskii, V. I., Karpenko, G. V. - Effect of borating on certain physical and mechanical properties of steel 45. p. 182.
- Bogdanovskaya, N. G., Stefanski, I. S., Machan'kov, N. V. - Study on the effect of chemical treatment of titanium-alloy tubes on their mechanical properties. p. 189.
- Sologub, N. A. - Wear of metals in saccharose solutions. p. 193.
- Liubarskii, I. M., and others. - Friction in a vacuum. p. 197.
- Starodubov, K. F., Babich, V. K., Pirogov, V. A. - Nature of hardening by low-temperature tempering of cold-worked carbon steels. p. 201.
- Romanov, O. N., Kozak, B. V. - Thermomechanical treatment to obtain isotropic materials. p. 205.
- Sukhorov, V. F., Kudryavtseva, L. A., Kol'chuzhina, A. I. - Precipitation hardening of alloys deformed at ultrahigh speed. p. 210.
- Nazarenko, G. T. - Lowering the fatigue limit of preliminarily stretched steel. p. 213.
- Chayevskii, M. I., and others. - Producing an atmosphere of spectrally pure inert gases in studying the physical and mechanical properties of metals. p. 218.
- Maksimovich, G. G., Drozd, N. P. - Retort for purifying inert gases. p. 228.
- Korchuk, S. E., and others. - Determining the critical temperature of cold brittleness of cast steel. p. 232.
- Averchenko, P. A. - Device for determining the fatigue strength and damping capacity of specimens subjected to torsion in various media. p. 237.
- Vygovskii, I. P., Iarenkevich, S. K., Babel, I. U. - Unit for thermomagnetic ultrasonic treatment of metal specimens. p. 241.
- KUZNICHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet po mashinostroyeniyu pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroyeniya promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U. S. S. R., and the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 9, no. 4, Apr. 1967.
- Table of contents translated
- Zaleskii, V. I., Vekshin, B. S. - Hydro-mechanical extrusion of thin-walled pipe. p. 1.
- Zakharov, V. A., Usimnenko, M. U., Podlipalov, I. U. P. - Increasing the strength properties of EP545 alloy forgings by means of an efficient technology of upset and drop forging. p. 1.
- Polapenko, V. K., and others. - Investigating power parameters in heading cylinders. p. 7.
- Volodin, N. I. - Metal indentation with a simultaneously rotating rounded punch in presence of friction. p. 10.
- Korneev, D. M. - Effect of a heating-cooling cycle on residual stresses in die steel. p. 13.
- Filimonov, I. U. F., Mikhailenko, G. P. - Reduction of rod blanks in special dies. p. 16.
- Ruzanov, F. I. - Stability of the drawing process with plastic shape changing of anisotropic metals. p. 19.
- Averkiev, I. U. A. - Closed dies with a sliding backing for blank reduction. p. 23.
- Pobedint, I. S., Zvezde, A. D. - Calculating forces in stamping the central part of bottoms with help of spherical die and matrix. p. 25.
- Kital, R. S., Sukov, A. I., Vikulin, A. T. - Studying and calculating stresses in a hydraulic press cylinder with nonuniform flange support. p. 29.
- Kagarmanov, A. T., and others. - Studying transducers of various design. p. 33.
- Goldman, I. A., and others. - Studying a heat-treatment hot-bottom furnace with intensive recalculation of combustion products. p. 36.
- Medov, N. M. - Methods of calculating the planned number of workers assigned to the repair and servicing of dies. p. 41.
- Chekunovskikh, V. I. - Marking of bolts during their upsetting on a hot forging machine. p. 44.
- Nemetsnikov, I. A., Suchkov, A. P., Proshchun, I. U. A. - Making forgings from rectangular blanks made on continuous casting equipment. p. 45.
- Volnov, A. M. - Improving the durability of punching dies. p. 46.
- Kapelluk, K. A., Kudryavtsev, N. A. - Modernization of horizontal forging machines at the Chelyabinsk Tractor Plant. p. 47.
- Burialkin, V. T., Mishchenko, V. S. - Unit method of repairing power press equipment at the Minsk Tractor Plant. p. 3 of cover.
- Vol. 9, no. 5, May 1967.
- Table of contents translated
- Shilashin, A. P. - Calculating ejection force of product from die during extrusion. p. 1.
- Genesov, I. G. - Effect of the forging technology on quality of reducing gear. p. 3.
- Gubentuk, G. S., and others. - Liquid forging of steel. p. 6.
- Dazyk, A. S., Bokman, M. A. - Characteristics of shape changing during cold forging of bush-type steel parts. p. 9.
- Balashov, I. M. - Calculating the increase in width of forgings of the type of bandages and rings during hammer forging. p. 11.
- Danilin, S. I., and others. - Technology of manufacturing thick-walled, large-diameter pipe of OKh18M2T steel. p. 13.
- Ivanushkin, P. F., Doroshko, V. I. - Effect of die deformation on distribution of normal stresses at contact surface during upsetting of thin blanks. p. 16.
- TSiviko, D. E., Vedmed', I. U. P., Dubina, V. I. - Clamping force during deep drawing of large axially symmetric parts. p. 20.
- Kazakov, I. U. P. - Designing the clamping surface of dies for drawing intricately shaped parts. p. 23.
- Kukhtarov, V. I. - Ribs of stiffness in cold die-stamped parts. p. 25.
- Soldatov, N. M. - Studying strains in the piston rod of a high velocity hammer without anvil. p. 28.
- Chernomskii, O. N., Perilov, V. I. - Photoelectric transducer to measure the shifting of press slides. p. 32.
- Lashin, V. V., Litvinov, B. M., Krym, O. I. A. - Decarburization and scale formation during the heating of tool steel ingots in forge shop induction heaters. p. 33.
- Agapov, I. K. - Mechanized electric heater for the heating of crankshaft blanks. p. 35.
- Votinov, A. M. - Rapid designing of dies for sheet-metal work. p. 38.
- Antropov, V. D. - Making forgings with projecting pins on hot forging crank presses. p. 43.
- Bel'skii, E. I., TSymbaliuk, A. A. - Hard facing dies for hot forging. p. 44.
- Fainstein, A. M., Kushnarskii, S. I. A. - Automatic die for the manufacture of rings from wire. p. 46.
- Evstratov, V. A., Kirillov, G. I. - Small-size spot dynamometer. p. 47.
- Vaintaub, D. A. - Durability of working parts of slitting dies. p. 47.
- Lezhenteva, S. P. - Hollow punch with a side opening. p. 48.
- LENINGRAD, MEKHNICHESKII INSTITUT, Sbornik trudov [INSTITUTE OF MECHANICS. Papers]. No. 55, 1966. Glass reinforced plastics.
- Table of contents translated
- TSypalak, O. G. - Basis of the strength, crack resistance and airtightness of glass reinforced plastics during stretching. p. 6.
- Bokin, M. N., Vesnebolotskii, K. I. - Theory of shrinkage stresses and their effect on the strength characteristics of glass reinforced plastics. p. 29.
- Mishchenko, A. P., TSypalak, O. G. - Some problems in the theory of the bonding of glass reinforced plastics. p. 40.
- Davydenko, V. I., Ershov, F. M. - Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. p. 50.
- Sukharov, M. G. - Polyethylene as a binder of glass reinforced plastics. p. 58.
- Bvchikov, E. A., Egorov, L. A. - Equation of the bonding of laminated structures in a plane-stressed state. p. 68.
- Mishchenko, A. P. - Basis of the calculation of cylindrical shells and pipes from glass reinforced plastics under interior hydrostatic pressure. p. 77.
- Bokin, M. N., Kalinin, N. I. - Calculation of a total shell of glass reinforced plastics under interior hydrostatic pressure. p. 86.
- Engalychev, S. A. - Strength calculation of multilayer and monolithic vessels from glass reinforced plastics. p. 91.
- Bokin, M. N., Meshkov, E. V., Kalinin, N. I. - Strength of a glass reinforced plastic thin-walled shell under interior pressure. p. 102.
- Engalychev, S. A., Sukharov, M. G. - Analysis of approximate formulas used in the calculation of pipes. p. 114.
- Alanashev, R. I., and others. - Technological calculations in the production of pipes from glass fiber laminates. p. 125.
- Shalygin, V. N. - Theory of the elastic molding of products from glass reinforced plastics. p. 132.
- Ershov, E. M., Davydenko, V. I. - Progressive methods for the production of high-strength laminates on glass reinforced plastic pipes. p. 142.
- Alanashev, R. I., Karbintsev, L. L. - Characteristics of the molding of glass reinforced plastic structures in the production of metal-glass reinforced plastic vessels. p. 149.
- Karbintsev, L. L., Savenkova, V. G. - Quantitative methods for the microstructural analysis in the technology of glass reinforced plastics. p. 154.
- MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroyeniya promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 5, May 1967.
- Table of contents translated
- Scientific organization of labor is an imperative condition for technical progress. p. 1.
- Erokhin, V. P., Nakhimovich, L. M. - Industrial enterprises should have a unified office management system. p. 3.
- Sergeev, L. M. - Organizing working places on a conveyor. p. 6.
- Sitanovskii, R. L. - Calculating warehouse stocks of parts. p. 7.
- Gorlik, B. L. - Slide rules for plant economists. p. 7.
- Dzhumkov, A. A., Medov, N. M. - Notebook of the foreman. p. 8.
- Chislosardov, P. S., Neumoin, A. I. - Mechanized and automatic multiple attachments. p. 9.
- Postnikov, S. N., Teplov, S. V. - Automatic search of the composition of lubricating and cooling fluids. p. 11.
- Krasil'shchikov, Sh. A. - Using fine cutting methods in finish machining. p. 13.
- Solov'ev, N. G., Kamenev, I. F. - Cutting tools with glued bits. p. 16.
- Solov'ev, N. A., and others. - Solid nickel plating by rubbing and in baths. p. 17.
- Vinogradov, G. P., Simagin, D. N. - Ultrasonic tinning and soldering of aluminum alloys. p. 18.
- Stepanov, S. I., Karpina, M. A. - Sulfurated chip-graphite bushings. p. 18.
- Zakharov, N. A., Putilov, V. E., Korotchenko, V. P. - Conservation of internal combustion engines. p. 19.
- Benzel'uk, G. P. - Suspensions for ladders on curved monorails. p. 20.
- Pugachev, I. A. - New technology reduces waste. p. 21.
- Mastlashvili, N. I. - Glue instead of rivets. p. 21.
- Razin, V. K., Ivanov, I. U. A. - Ultrasonic washing of parts. p. 22.
- Kornilov, I. U. P. - Designing copies for turret lathes. p. 23.
- Khayev, M. S. - Epoxy coating instead of chromium plating. p. 23.

1. ... p. 24
2. ... p. 27
3. ... p. 30
4. ... p. 34
5. ... p. 37
6. ... p. 40
7. ... p. 43
8. ... p. 46
9. ... p. 49
10. ... p. 52
11. ... p. 55
12. ... p. 58
13. ... p. 61
14. ... p. 64
15. ... p. 67
16. ... p. 70
17. ... p. 73
18. ... p. 76
19. ... p. 79
20. ... p. 82
21. ... p. 85
22. ... p. 88
23. ... p. 91
24. ... p. 94
25. ... p. 97
26. ... p. 100
27. ... p. 103
28. ... p. 106
29. ... p. 109
30. ... p. 112
31. ... p. 115
32. ... p. 118
33. ... p. 121
34. ... p. 124
35. ... p. 127
36. ... p. 130
37. ... p. 133
38. ... p. 136
39. ... p. 139
40. ... p. 142
41. ... p. 145
42. ... p. 148
43. ... p. 151
44. ... p. 154
45. ... p. 157
46. ... p. 160
47. ... p. 163
48. ... p. 166
49. ... p. 169
50. ... p. 172
51. ... p. 175
52. ... p. 178
53. ... p. 181
54. ... p. 184
55. ... p. 187
56. ... p. 190
57. ... p. 193
58. ... p. 196
59. ... p. 199
60. ... p. 202
61. ... p. 205
62. ... p. 208
63. ... p. 211
64. ... p. 214
65. ... p. 217
66. ... p. 220
67. ... p. 223
68. ... p. 226
69. ... p. 229
70. ... p. 232
71. ... p. 235
72. ... p. 238
73. ... p. 241
74. ... p. 244
75. ... p. 247
76. ... p. 250
77. ... p. 253
78. ... p. 256
79. ... p. 259
80. ... p. 262
81. ... p. 265
82. ... p. 268
83. ... p. 271
84. ... p. 274
85. ... p. 277
86. ... p. 280
87. ... p. 283
88. ... p. 286
89. ... p. 289
90. ... p. 292
91. ... p. 295
92. ... p. 298
93. ... p. 301
94. ... p. 304
95. ... p. 307
96. ... p. 310
97. ... p. 313
98. ... p. 316
99. ... p. 319
100. ... p. 322

MEKHANIZATSIYA I AVTOMATIZATSIYA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION] Organ of Gosudarstvennyi komitet po mashinostroyeniyu pri Gosplane SSSR [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 21, no. 5, 1967.
Table of contents translated:
1. ... p. 1
2. ... p. 3
3. ... p. 5
4. ... p. 7
5. ... p. 9
6. ... p. 11
7. ... p. 13
8. ... p. 15
9. ... p. 17
10. ... p. 19
11. ... p. 21
12. ... p. 23
13. ... p. 25
14. ... p. 27
15. ... p. 29
16. ... p. 31
17. ... p. 33
18. ... p. 35
19. ... p. 37
20. ... p. 39
21. ... p. 41
22. ... p. 43
23. ... p. 45
24. ... p. 47
25. ... p. 49
26. ... p. 51
27. ... p. 53
28. ... p. 55
29. ... p. 57
30. ... p. 59
31. ... p. 61
32. ... p. 63
33. ... p. 65
34. ... p. 67
35. ... p. 69
36. ... p. 71
37. ... p. 73
38. ... p. 75
39. ... p. 77
40. ... p. 79
41. ... p. 81
42. ... p. 83
43. ... p. 85
44. ... p. 87
45. ... p. 89
46. ... p. 91
47. ... p. 93
48. ... p. 95
49. ... p. 97
50. ... p. 99
51. ... p. 101
52. ... p. 103
53. ... p. 105
54. ... p. 107
55. ... p. 109
56. ... p. 111
57. ... p. 113
58. ... p. 115
59. ... p. 117
60. ... p. 119
61. ... p. 121
62. ... p. 123
63. ... p. 125
64. ... p. 127
65. ... p. 129
66. ... p. 131
67. ... p. 133
68. ... p. 135
69. ... p. 137
70. ... p. 139
71. ... p. 141
72. ... p. 143
73. ... p. 145
74. ... p. 147
75. ... p. 149
76. ... p. 151
77. ... p. 153
78. ... p. 155
79. ... p. 157
80. ... p. 159
81. ... p. 161
82. ... p. 163
83. ... p. 165
84. ... p. 167
85. ... p. 169
86. ... p. 171
87. ... p. 173
88. ... p. 175
89. ... p. 177
90. ... p. 179
91. ... p. 181
92. ... p. 183
93. ... p. 185
94. ... p. 187
95. ... p. 189
96. ... p. 191
97. ... p. 193
98. ... p. 195
99. ... p. 197
100. ... p. 199

MEKHANIZATSIYA I AVTOMATIZATSIYA UPRAVLENIA [MECHANIZATION AND AUTOMATION OF CONTROL] Issued by Gosudarstvennyi planovyi komitet Sovetskikh Ministrov USSR [State Planning Committee of the Council of Ministers of the U.S.S.R.]. Moscow, no. 2(32), Mar.-Apr. 1967.
Table of contents translated:
1. ... p. 1
2. ... p. 3
3. ... p. 5
4. ... p. 7
5. ... p. 9
6. ... p. 11
7. ... p. 13
8. ... p. 15
9. ... p. 17
10. ... p. 19
11. ... p. 21
12. ... p. 23
13. ... p. 25
14. ... p. 27
15. ... p. 29
16. ... p. 31
17. ... p. 33
18. ... p. 35
19. ... p. 37
20. ... p. 39
21. ... p. 41
22. ... p. 43
23. ... p. 45
24. ... p. 47
25. ... p. 49
26. ... p. 51
27. ... p. 53
28. ... p. 55
29. ... p. 57
30. ... p. 59
31. ... p. 61
32. ... p. 63
33. ... p. 65
34. ... p. 67
35. ... p. 69
36. ... p. 71
37. ... p. 73
38. ... p. 75
39. ... p. 77
40. ... p. 79
41. ... p. 81
42. ... p. 83
43. ... p. 85
44. ... p. 87
45. ... p. 89
46. ... p. 91
47. ... p. 93
48. ... p. 95
49. ... p. 97
50. ... p. 99
51. ... p. 101
52. ... p. 103
53. ... p. 105
54. ... p. 107
55. ... p. 109
56. ... p. 111
57. ... p. 113
58. ... p. 115
59. ... p. 117
60. ... p. 119
61. ... p. 121
62. ... p. 123
63. ... p. 125
64. ... p. 127
65. ... p. 129
66. ... p. 131
67. ... p. 133
68. ... p. 135
69. ... p. 137
70. ... p. 139
71. ... p. 141
72. ... p. 143
73. ... p. 145
74. ... p. 147
75. ... p. 149
76. ... p. 151
77. ... p. 153
78. ... p. 155
79. ... p. 157
80. ... p. 159
81. ... p. 161
82. ... p. 163
83. ... p. 165
84. ... p. 167
85. ... p. 169
86. ... p. 171
87. ... p. 173
88. ... p. 175
89. ... p. 177
90. ... p. 179
91. ... p. 181
92. ... p. 183
93. ... p. 185
94. ... p. 187
95. ... p. 189
96. ... p. 191
97. ... p. 193
98. ... p. 195
99. ... p. 197
100. ... p. 199

Shlachet, B.N., Urulihin, B.N., Evseev, I.U. - Synthesis of electromechanical devices for automatic noncontact determination of geometrical parameters of flat figures. p. 50.
Pravotova, E.A., Sergeev, V.I. - Calculating the precision of mechanisms with lower kinematic pairs. p. 59.
Sergeev, V.I., Uskov, M.K. - Comparative analysis of structural and technological errors in transmission linkages. p. 68.
Mamedov, V.A. - Areas of the existence of a link mechanism with leading connecting rod. p. 86.
Marnautov, G.E. - Synthesis of a system of toothed linkage. p. 95.
Dobuchava, E.N., Lushkin, A.I., Rozovskii, M.S. - Kinematic profiling of cam mechanisms with disk cams. p. 107.
Litvin, F.L., Erikhov, M.L. - Kinematic determination of the curvature and conditions for the absence of undercutting of the envelope of two-parametric family of tool surfaces. p. 123.
Akopian, E.A. - Synthesis of six-bar transmission linkages. p. 131.

MEKHANIZATSIYA I AVTOMATIZATSIYA UPRAVLENIA [MECHANIZATION AND AUTOMATION OF CONTROL] Issued by Gosudarstvennyi planovyi komitet Sovetskikh Ministrov USSR [State Planning Committee of the Council of Ministers of the U.S.S.R.]. Moscow, no. 2(32), Mar.-Apr. 1967.
Table of contents translated:
1. ... p. 1
2. ... p. 3
3. ... p. 5
4. ... p. 7
5. ... p. 9
6. ... p. 11
7. ... p. 13
8. ... p. 15
9. ... p. 17
10. ... p. 19
11. ... p. 21
12. ... p. 23
13. ... p. 25
14. ... p. 27
15. ... p. 29
16. ... p. 31
17. ... p. 33
18. ... p. 35
19. ... p. 37
20. ... p. 39
21. ... p. 41
22. ... p. 43
23. ... p. 45
24. ... p. 47
25. ... p. 49
26. ... p. 51
27. ... p. 53
28. ... p. 55
29. ... p. 57
30. ... p. 59
31. ... p. 61
32. ... p. 63
33. ... p. 65
34. ... p. 67
35. ... p. 69
36. ... p. 71
37. ... p. 73
38. ... p. 75
39. ... p. 77
40. ... p. 79
41. ... p. 81
42. ... p. 83
43. ... p. 85
44. ... p. 87
45. ... p. 89
46. ... p. 91
47. ... p. 93
48. ... p. 95
49. ... p. 97
50. ... p. 99
51. ... p. 101
52. ... p. 103
53. ... p. 105
54. ... p. 107
55. ... p. 109
56. ... p. 111
57. ... p. 113
58. ... p. 115
59. ... p. 117
60. ... p. 119
61. ... p. 121
62. ... p. 123
63. ... p. 125
64. ... p. 127
65. ... p. 129
66. ... p. 131
67. ... p. 133
68. ... p. 135
69. ... p. 137
70. ... p. 139
71. ... p. 141
72. ... p. 143
73. ... p. 145
74. ... p. 147
75. ... p. 149
76. ... p. 151
77. ... p. 153
78. ... p. 155
79. ... p. 157
80. ... p. 159
81. ... p. 161
82. ... p. 163
83. ... p. 165
84. ... p. 167
85. ... p. 169
86. ... p. 171
87. ... p. 173
88. ... p. 175
89. ... p. 177
90. ... p. 179
91. ... p. 181
92. ... p. 183
93. ... p. 185
94. ... p. 187
95. ... p. 189
96. ... p. 191
97. ... p. 193
98. ... p. 195
99. ... p. 197
100. ... p. 199

MEKHANIZATSIYA I AVTOMATIZATSIYA UPRAVLENIA [MECHANIZATION AND AUTOMATION OF CONTROL] Issued by Gosudarstvennyi planovyi komitet Sovetskikh Ministrov USSR [State Planning Committee of the Council of Ministers of the U.S.S.R.]. Moscow, no. 2(32), Mar.-Apr. 1967.
Table of contents translated:
1. ... p. 1
2. ... p. 3
3. ... p. 5
4. ... p. 7
5. ... p. 9
6. ... p. 11
7. ... p. 13
8. ... p. 15
9. ... p. 17
10. ... p. 19
11. ... p. 21
12. ... p. 23
13. ... p. 25
14. ... p. 27
15. ... p. 29
16. ... p. 31
17. ... p. 33
18. ... p. 35
19. ... p. 37
20. ... p. 39
21. ... p. 41
22. ... p. 43
23. ... p. 45
24. ... p. 47
25. ... p. 49
26. ... p. 51
27. ... p. 53
28. ... p. 55
29. ... p. 57
30. ... p. 59
31. ... p. 61
32. ... p. 63
33. ... p. 65
34. ... p. 67
35. ... p. 69
36. ... p. 71
37. ... p. 73
38. ... p. 75
39. ... p. 77
40. ... p. 79
41. ... p. 81
42. ... p. 83
43. ... p. 85
44. ... p. 87
45. ... p. 89
46. ... p. 91
47. ... p. 93
48. ... p. 95
49. ... p. 97
50. ... p. 99
51. ... p. 101
52. ... p. 103
53. ... p. 105
54. ... p. 107
55. ... p. 109
56. ... p. 111
57. ... p. 113
58. ... p. 115
59. ... p. 117
60. ... p. 119
61. ... p. 121
62. ... p. 123
63. ... p. 125
64. ... p. 127
65. ... p. 129
66. ... p. 131
67. ... p. 133
68. ... p. 135
69. ... p. 137
70. ... p. 139
71. ... p. 141
72. ... p. 143
73. ... p. 145
74. ... p. 147
75. ... p. 149
76. ... p. 151
77. ... p. 153
78. ... p. 155
79. ... p. 157
80. ... p. 159
81. ... p. 161
82. ... p. 163
83. ... p. 165
84. ... p. 167
85. ... p. 169
86. ... p. 171
87. ... p. 173
88. ... p. 175
89. ... p. 177
90. ... p. 179
91. ... p. 181
92. ... p. 183
93. ... p. 185
94. ... p. 187
95. ... p. 189
96. ... p. 191
97. ... p. 193
98. ... p. 195
99. ... p. 197
100. ... p. 199

Tyugu, E. Kh. - Automation of the programmed engineering problems in the electric machinery industry. p. 22.
Duel, M. A., and others. - Performance of a computer in a regulating mode. p. 25.
Shendelevich, V. N. - Innovative binary-decimal converter with increased speed. p. 28.
Uzbeig, N. P., Shishenko, A. I. - Evaluation of the effectiveness of reservation of elements of data computers by means of nomograms. p. 30.
Cherniak, I. U., Marchenko, V. A. - Electronic flowmeter. p. 33.
Mel'nikhenko, A. M., Polinskii, G. A. - Contact photoelectric transducers registering variations in solid fuel in the flow of charge on a sintering conveyor. p. 35.
Soltyk, V. I. A., Pionkol, G. M. - Contactless rotary angle-to-code converter. p. 38.
Gavonko, I. U. A., Golenblovskii, D. S., Zaslavskii, I. - Directional current relay. p. 39.
Malakhovskii, E. I., Mukhomorov, I. A., Slavinskii, A. K. - Use of current relays with stepping characteristics in the selective start of production systems. p. 42.
Oleksenko, P. F., Svochnikov, S. V. - Small high photoelectric converter. p. 45.
Mazlovskii, V. N., Bolonok, A. P. - Solid-state diode cells. p. 48.
Pansluk, L. S., and others. - Universal digital proportioning device. p. 48.
Perluk, V. I., and others. - Force measuring device, relative transducer transducer for electric crane scales. p. 50.
Velichko, I. U. K. - Diode functional converters for regulating currents in windings. p. 52.
Evushenko, I. N., Vasil'ov, V. M. - Increasing the reliability of digital data transmission through power transmission lines. p. 55.
Gorodetskii, V. I. - Method for constructing reliable switching tables. p. 56.
Nabulov, O. S., and others. - Automation of systems protecting underground communication cables for corrosion. p. 58.
Petrenko, A. I. - Symposium on methods and devices for conveying graphical information for input to electronic computers. p. 60.
Industrial data processing systems. p. 62.

OMSK. INSTITUT INZHENEROV ZHELEZNODOZHNOGO TRANSPORTA. Nauchnyye trudy [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION Studies]. No. 60, 1965.
Table of contents translated:
1. ... p. 1
2. ... p. 3
3. ... p. 5
4. ... p. 7
5. ... p. 9
6. ... p. 11
7. ... p. 13
8. ... p. 15
9. ... p. 17
10. ... p. 19
11. ... p. 21
12. ... p. 23
13. ... p. 25
14. ... p. 27
15. ... p. 29
16. ... p. 31
17. ... p. 33
18. ... p. 35
19. ... p. 37
20. ... p. 39
21. ... p. 41
22. ... p. 43
23. ... p. 45
24. ... p. 47
25. ... p. 49
26. ... p. 51
27. ... p. 53
28. ... p. 55
29. ... p. 57
30. ... p. 59
31. ... p. 61
32. ... p. 63
33. ... p. 65
34. ... p. 67
35. ... p. 69
36. ... p. 71
37. ... p. 73
38. ... p. 75
39. ... p. 77
40. ... p. 79
41. ... p. 81
42. ... p. 83
43. ... p. 85
44. ... p. 87
45. ... p. 89
46. ... p. 91
47. ... p. 93
48. ... p. 95
49. ... p. 97
50. ... p. 99
51. ... p. 101
52. ... p. 103
53. ... p. 105
54. ... p. 107
55. ... p. 109
56. ... p. 111
57. ... p. 113
58. ... p. 115
59. ... p. 117
60. ... p. 119
61. ... p. 121
62. ... p. 123
63. ... p. 125
64. ... p. 127
65. ... p. 129
66. ... p. 131
67. ... p. 133
68. ... p. 135
69. ... p. 137
70. ... p. 139
71. ... p. 141
72. ... p. 143
73. ... p. 145
74. ... p. 147
75. ... p. 149
76. ... p. 151
77. ... p. 153
78. ... p. 155
79. ... p. 157
80. ... p. 159
81. ... p. 161
82. ... p. 163
83. ... p. 165
84. ... p. 167
85. ... p. 169
86. ... p. 171
87. ... p. 173
88. ... p. 175
89. ... p. 177
90. ... p. 179
91. ... p. 181
92. ... p. 183
93. ... p. 185
94. ... p. 187
95. ... p. 189
96. ... p. 191
97. ... p. 193
98. ... p. 195
99. ... p. 197
100. ... p. 199

OPTIKO-MEKHANICHESKAYA PROMYSHLENNOST' [OPTICAL INSTRUMENTS INDUSTRY]. Issued by Gosudarstvennyi opticheskii institut [State Optical Institute]. Leningrad, vol. 34, no. 5, May 1967.
Table of contents translated:
1. ... p. 1
2. ... p. 3
3. ... p. 5
4. ... p. 7
5. ... p. 9
6. ... p. 11
7. ... p. 13
8. ... p. 15
9. ... p. 17
10. ... p. 19
11. ... p. 21
12. ... p. 23
13. ... p. 25
14. ... p. 27
15. ... p. 29
16. ... p. 31
17. ... p. 33
18. ... p. 35
19. ... p. 37
20. ... p. 39
21. ... p. 41
22. ... p. 43
23. ... p. 45
24. ... p. 47
25. ... p. 49
26. ... p. 51
27. ... p. 53
28. ... p. 55
29. ... p. 57
30. ... p. 59
31. ... p. 61
32. ... p. 63
33. ... p. 65
34. ... p. 67
35. ... p. 69
36. ... p. 71
37. ... p. 73
38. ... p. 75
39. ... p. 77
40. ... p. 79
41. ... p. 81
42. ... p. 83
43. ... p. 85
44. ... p. 87
45. ... p. 89
46. ... p. 91
47. ... p. 93
48. ... p. 95
49. ... p. 97
50. ... p. 99
51. ... p. 101
52. ... p. 103
53. ... p. 105
54. ... p. 107
55. ... p. 109
56. ... p. 111
57. ... p. 113
58. ... p. 115
59. ... p. 117
60. ... p. 119
61. ... p. 121
62. ... p. 123
63. ... p. 125
64. ... p. 127
65. ... p. 129
66. ... p. 131
67. ... p. 133
68. ... p. 135
69. ... p. 137
70. ... p. 139
71. ... p. 141
72. ... p. 143
73. ... p. 145
74. ... p. 147
75. ... p. 149
76. ... p. 151
77. ... p. 153
78. ... p. 155
79. ... p. 157
80. ... p. 159
81. ... p. 161
82. ... p. 163
83. ... p. 165
84. ... p. 167
85. ... p. 169
86. ... p. 171
87. ... p. 173
88. ... p. 175
89. ... p. 177
90. ... p. 179
91. ... p. 181
92. ... p. 183
93. ... p. 185
94. ... p. 187
95. ... p. 189
96. ... p. 191
97. ... p. 193
98. ... p. 195
99. ... p. 197
100. ... p. 199

- Butinov, G.N., Mustafin, K.S., Pikhod'ko, T.A. - Performance of the He-Ne optical quantum generator with a refraction of the optical path in the resonator. p.8.
- Shapiro, I.U.A. - Use of the least square method for the calculation of magnetic lenses. p.10.
- Prokop'ev, V.M. - Optimal conditions for the correction of spherical aberration and optimal position of the image plane. p.12.
- Sakharov, A.V. - Decrease of the time of spectrum registration in the infrared spectrophotometer by automatic regulation of the scanning velocity. p.18.
- Korotkov, V.P., Koioukhov, I.U.N., Robachevskii, M.V. - Amplifying device with a high-resistance input operating in the range of 6 - 14 hertz frequencies. p.21.
- Gopshstein, N.M., Kron, V.N., Laptev, V.P. - Reversible decimal counter of impulses for the integrating digital voltmeter. p.24.
- Sakin, M.L. - Focusing device in the form of a double wedge placed in the plane of images. p.27.
- Lozinskii, M.G., and others. - Trends in the development of the manufacture of high-temperature microscopes for the study of the structure of materials in the temperature range of 2000° to 3000°K. p.32.
- Gomel'skii, M.S., and others. - Characteristics of the thermal expansion of clinkered optical glass fibers. p.41.
- Morozenko, V.N., Kolesnik, I.A. - Study of the interference of elements of the technological system grinders - abrasive interlayer - processed part. p.48.
- Valeev, A.S. - Multilayer interferential filters of the reflecting type. p.51.
- Kuznetsov, K.A. - Increase of work productivity in the exposure control of photographic shutters. p.55.
- Obodovski, V.V., Rozhdestvenskii, V.N., Chernyi, I. - "Amber antireflection layers" and coloration of photographic objectives. p.60.
- Alekseev, A.G., Verkhovskaya, T.A. - Scintillation counter for the EVR-1 electronograph. p.66.
- Solov'ev, A.M., Alterovskii, A.A. - Utilization of slow electrons for the removal of charges from objectives-insulators in X-ray microanalyzers. p.66.
- Zhdanov, G.S., Velonen, V.N. - Precise determination of the size of the irradiated part of the object in electron microscopes. p.67.
- New standards, norms, and reference materials in the optical instruments industry. p.67.
- *PRIKLADNAIA MEKHANIKA [APPLIED MECHANICS]. Issued by Otdeleniye matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainy SSR [Department of Mathematics, Mechanics, and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 5, May 1967.
- Table of contents translated
- Bondar', N.G. - Vibrations of nonlinear conservative systems with several degrees of freedom. p.1.
- Andreev, L.N., Troitskii, V.A. - Calculating vibrations of systems having sections on an elastic foundation. p.9.
- Shumilanskii, I.F. - The second problem in the dynamics of imponderable string of variable length at multistage stalling. p.17.
- Guz', A.N. - Stability of orthotropic bodies. p.29.
- Zhukovskii, I.A.G. - Method of straight lines in the two-dimensional problem in the theory of elasticity. p.39.
- Ufiko, A.F. - A generalization of Mehler-Fuk's integral transformation. p.45.
- Toshchenko, V.T. - High-speed determination of the fatigue limit of metals. p.50.
- Karnozhnik, V.P., Ingul'tsov, V.L. - Thermal stresses in a cylindrical sandwich shell of finite length. p.55.
- Sagidacv, I.U.M. - Calculating spiral multilayer shell. p.61.
- Kalekts, O.I.U., Shishikina, E.S. - Using electronic digital computers in solving problems of statics of medium-thick shells of revolution subjected to axisymmetric loading. p.69.
- Tut'chil, V.I., Prolov, V.P., Iakimovich, G.I. - Plate reinforced with thin sectional ring. p.76.
- Medvedkov, A.I. - Some problems in the specified theory bending. p.81.
- Burdenko, A.F., Oychinnikov, P.F. - Nonlinear shock absorber for a single-mass system under the action of two-frequency excitation. p.87.
- Mustafin, Ch.G. - Stress concentration caused by elastoplastic deformations and creep. p.93.
- Veselyi, A.A. - Designing annularly ribbed spherical arched roofs with large span for wind load. p.98.
- Kil'chevskaya, E.N. - Changes in temperature caused by contact interaction of elastic bodies. p.104.
- Solbetsov, V.I. - Approximate calculation of the coefficients of equations for disturbed motion of a body partly filled with a fluid. p.109.
- Vainkof, I.A.F. - Motion stability of a two-mass vibratory-percussion system with a single-sided excitation. p.114.
- Martynuk, A.A. - Stability of an unsteady motion during a given time interval. p.121.
- Ginzburg, I.N. - Stability of a compressed cylindrical shell with an elliptic cross section. p.126.
- Shishkanova, S.F. - Stressed state of a plane weakened by a hole having a N.E. Zhukovskii-type profile. p.130.
- Litovchin, B.D. - Determining frequency spectrum for natural vibrations of certain bars with variable cross-section. p.133.
- Kuchenko, V.P. - Coaxial liquid flow inside a semi-infinite volume with movable borders. p.136.
- Savin, G.N., Stel'biskaya, A.I. - Petr Markovich Vavuk, on the occasion of his 60th birthday. p.141.
- Kononenko, V.O., Colego, N.L., Ischenko, I.I., Nikolai Il'ich Cherniak, on the occasion of his 60th birthday. p.142.
- REFERATIVNYI ZHURNAL AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS AUTOMOTIVE AND CITY TRANSPORTATION] Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 6, June 1967. [This journal is also issued in parts.]
- REFERATIVNYI ZHURNAL PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS INDUSTRIAL TRANSPORTATION]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, nos. 5-6, May-June 1967.
- REFERATIVNYI ZHURNAL TEKHNOLOGIIA MASINOSTROENIA [JOURNAL OF ABSTRACTS TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, nos. 5-6, May-June 1967.
- REFERATIVNYI ZHURNAL TEPLONERGETIKA [JOURNAL OF ABSTRACTS HEAT ENGINEERING]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, no. 6, June 1967.
- REFERATIVNYI ZHURNAL ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS RAILROAD TRANSPORTATION]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, nos. 5-6, May-June 1967. [This journal is also issued in parts.]
- RUSSIA [1923 - U.S.S.R.] Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvessia vysshih uchebnykh zavedeni, mashinostroyeniye [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Machinery Manufacture]. Moscow, no. 3, 1967.
- Table of contents translated
- Domin, V.I. - Application of the algebraic method to the approximate synthesis of linkages with three-guide groups. p.5.
- Tsfas, B.S. - Acceleration of the roller on an axle in the follower of a cam gear with a flat advancing or cylindrical rotating cam. p.10.
- Kocherova, S.A. - Limits for the applicability of the theory of minor plastic deformations to the calculation of thick-walled pipes subjected to the action of internal pressure and longitudinal force. p.16.
- Shirshov, A.A. - Pure plastic bending of a strip under heavy deformations. p.19.
- Kishchenko, I.U.M. - Experimental investigation of the shear modulus of glass-reinforced. p.24.
- Gusev, A.S. - Analysis of overshoots of random functions. p.27.
- Musallimova, R.S. - Investigating the stability of a two-blade helicopter rotor on an anisotropic elastic base. p.31.
- Lappa, M.I. - Determining critical speeds of ship turbine rotors using the similitude method. p.35.
- Matzel', I.U.M. - New method for determining dynamic reactions and its use in the analysis of natural longitudinal and torsional vibrations. p.38.
- Lovtsov, I.U.I. - Effect of parameters and shape of the cam gear of a radial-flow piston hydraulic engine on the mechanical efficiency. p.44.
- Rassol'ko, G.A. - Movement of the fuel flame in an immobile medium. p.50.
- Gavrilov, A.K., Doman', P.I. - Using electrothermal analogy in determining the coefficient of heat transfer from the cylinder sleeve of a diesel engine to the cooling water. p.56.
- Gusarov, V.V. - Investigating the performance of an engine having a combustion chamber in the piston. p.62.
- Kruglov, M.G., Karolin, A.N. - Determining efficiency losses of gases in the exhaust system of a two-stroke composite engine. p.67.
- Descharov, E.N., Kazachkov, R.V. - Methods and results of the measurement of velocity of organized whirl motion of air in the cylinder of a four-stroke diesel. p.73.
- Ivanov, V.L. - Using water as an industrial heat carrier in an independent cooling system of a gas-turbine blade. p.77.
- Ivanov, V.A., and others. - Electric modeling of dynamic processes in the transmissions of transport vehicles. p.81.
- Barkovskii, A.I., Pavlenko, S.T. - Effect of the design of gearboxes on the gear-shifting process. p.86.
- Gorbatsevich, E.S., and others. - Damping torsional vibrations of gearboxes by means of floating supports. p.90.
- Zarshechikov, V.V. - Dynamics of the movement of reactor and flywheel in inertia torque converter. p.95.
- Kazakov, N.F., Nishushkin, V.V. - Diffusion coating of titanium with platinum foil in a vacuum. p.100.
- Aref'ev, M.G., Samarin, L.A. - Dimensional precision analysis of a wedge-shaped pneumatic chuck. p.104.
- Komarov, V.V. - Using the probability method in determining readjustment time in centerless external grinding for passing through and analyzing machining precision by this method. p.109.
- Alenb, M.P. - Toques resulting from rough gear milling of structural steels with disk cutters. p.114.
- Bobrov, V.F., Ierusalimskii, D.E. - Working angles of tools with self-rotating cutting cups. p.116.
- Malev, I.I. - Determining the stresses of the press and ton-capacity of the hammer in hot forging. p.123.
- Noskov, B.A., Tzukurman, S.I. - Production and use of briquets obtained by hot briquetting in remelting of cast iron. p.127.
- Lugovskii, S.I., Andrianov, I.S. - Intensity of dust and gas liberation in cupola furnaces and its prevention. p.134.
- No. 4, 1967.
- Table of contents translated
- Anisimov, B.V., and others. - Algorithm of the identification of single-connected geometrical contours. p.5.
- Beinatskii, I.P. - Simple calculation of the two-dimensional section of a helioid. p.10.
- Bolashnikov, S.V. - Bending of a ring laying on an elastic support. p.14.
- Borzhkova, L.V. - Calculating a spherical tank made of a nonlinearly elastic material and laying on a rigid support. p.20.
- Makushin, V.M., Petrov, V.B. - Approximate investigation of the stability of single-span stands loaded with concentrated and distributed axial forces. p.25.
- Musallimova, R.S. - Investigating the stability of a two-bladed rotor on an anisotropic flexible base. p.31.
- Tikhomirov, I.A.V., Adamovich, A.V. - Experimental investigation of the margin of fatigue strength of a crankshaft. p.36.
- Kukhtenkov, M.M. - Effect of flange thickness on the tightening stability of a bolted joint. p.41.
- Gavrilov, I.U.A. - Resistance to solving of a heavy loaded toothed contact. p.44.
- Ganchev, B.G., and others. - Hydrodynamic analysis of open evaporating units. p.49.
- Krutov, V.I., Leonov, I.V. - Analyzing the performance of automatic control system of an internal combustion engine with a two-pulse regulator by the speed and pressure of supercharging. p.54.
- Pavlovich, L.M. - Continuous regulation of opening phases of the gas-sampling valve. p.59.
- Egorov, I.A.A., Dmitriev, V.P. - Effect of the outlet diffuser on the parameters of a two-stroke diesel engine with combined supercharging. p.62.
- Klovakh, M.S., Kamfer, G.M. - Effect of the cooling of medium dry-fuel injection on the delay of ignition. p.66.
- Drokonov, E.M. - Thermal stress of high-power two-stroke marine diesel engines with gas-turbine supercharging. p.70.
- Dobovolskii, M.V., Krylov, I.V. - Determining maximum permissible pressure in the chamber of a liquid-fuel jet engine operating by the closed gas-liquid diagram. p.75.
- Virabov, R.V. - Rolling of a flexible wheel on a rigid surface. p.78.
- Dombrovskii, N.G., Ustinkin, N.D. - Effect of the inertia force of separated layer on the resistance to cutting of the ground. p.85.
- Balovnov, V.I., Kiyavtsov, E.A. - Problems of geometrical modelling in studying opening processes of excavating machines. p.89.
- Sviridenko, K.A. - Wear resistance of cast iron with spheroidal graphite after isothermal surface hardening working with and without lubrication. p.94.
- Kamsluk, M.S. - Increasing the strength of electrode-tool for finishing electric spark machining. p.98.
- Volchkevich, L.I., Usor, B.A. - Requirements to the operation speed of automatic operators in the automation of machine tools. p.102.
- Inozemtsev, G.G., Tserenko, M.A. - Problems of rigidity and stability of a small-diameter low drilling tool. p.107.
- Moldotsky, N.S. - Determining optimum geometry of hard-alloy cutters for machining G13L steel by the Box-Wilson method. p.112.
- Komarov, V.V. - Analyzing the precision of readjustment in external centerless per-pass grinding. p.116.
- Kramarenko, I.U.B. - Effect of the level of micro-roughnesses on the stabilization of diametric rate of turning with variable feed. p.121.
- Alenb, M.P. - Effect of cutting parameters on the temperature in rough gear milling of heat-resistant and structural steel. p.125.

1. V. V. ... p. 127.
2. ... p. 132.
3. ... p. 136.
4. ... p. 140.
5. ... p. 146.
6. ... p. 150.
7. ... p. 154.
8. ... p. 158.
9. ... p. 162.
10. ... p. 166.
11. ... p. 170.
12. ... p. 174.
13. ... p. 178.
14. ... p. 182.
15. ... p. 186.
16. ... p. 190.
17. ... p. 194.
18. ... p. 198.
19. ... p. 202.
20. ... p. 206.
21. ... p. 210.
22. ... p. 214.
23. ... p. 218.
24. ... p. 222.
25. ... p. 226.
26. ... p. 230.
27. ... p. 234.
28. ... p. 238.
29. ... p. 242.
30. ... p. 246.
31. ... p. 250.
32. ... p. 254.
33. ... p. 258.
34. ... p. 262.
35. ... p. 266.
36. ... p. 270.
37. ... p. 274.
38. ... p. 278.
39. ... p. 282.
40. ... p. 286.
41. ... p. 290.
42. ... p. 294.
43. ... p. 298.
44. ... p. 302.
45. ... p. 306.
46. ... p. 310.
47. ... p. 314.
48. ... p. 318.
49. ... p. 322.
50. ... p. 326.
51. ... p. 330.
52. ... p. 334.
53. ... p. 338.
54. ... p. 342.
55. ... p. 346.
56. ... p. 350.
57. ... p. 354.
58. ... p. 358.
59. ... p. 362.
60. ... p. 366.
61. ... p. 370.
62. ... p. 374.
63. ... p. 378.
64. ... p. 382.
65. ... p. 386.
66. ... p. 390.
67. ... p. 394.
68. ... p. 398.
69. ... p. 402.
70. ... p. 406.
71. ... p. 410.
72. ... p. 414.
73. ... p. 418.
74. ... p. 422.
75. ... p. 426.
76. ... p. 430.
77. ... p. 434.
78. ... p. 438.
79. ... p. 442.
80. ... p. 446.
81. ... p. 450.
82. ... p. 454.
83. ... p. 458.
84. ... p. 462.
85. ... p. 466.
86. ... p. 470.
87. ... p. 474.
88. ... p. 478.
89. ... p. 482.
90. ... p. 486.
91. ... p. 490.
92. ... p. 494.
93. ... p. 498.
94. ... p. 502.
95. ... p. 506.
96. ... p. 510.
97. ... p. 514.
98. ... p. 518.
99. ... p. 522.
100. ... p. 526.
101. ... p. 530.
102. ... p. 534.
103. ... p. 538.
104. ... p. 542.
105. ... p. 546.
106. ... p. 550.
107. ... p. 554.
108. ... p. 558.
109. ... p. 562.
110. ... p. 566.
111. ... p. 570.
112. ... p. 574.
113. ... p. 578.
114. ... p. 582.
115. ... p. 586.
116. ... p. 590.
117. ... p. 594.
118. ... p. 598.
119. ... p. 602.
120. ... p. 606.
121. ... p. 610.
122. ... p. 614.
123. ... p. 618.
124. ... p. 622.
125. ... p. 626.
126. ... p. 630.
127. ... p. 634.
128. ... p. 638.
129. ... p. 642.
130. ... p. 646.
131. ... p. 650.
132. ... p. 654.
133. ... p. 658.
134. ... p. 662.
135. ... p. 666.
136. ... p. 670.
137. ... p. 674.
138. ... p. 678.
139. ... p. 682.
140. ... p. 686.
141. ... p. 690.
142. ... p. 694.
143. ... p. 698.
144. ... p. 702.
145. ... p. 706.
146. ... p. 710.
147. ... p. 714.
148. ... p. 718.
149. ... p. 722.
150. ... p. 726.
151. ... p. 730.
152. ... p. 734.
153. ... p. 738.
154. ... p. 742.
155. ... p. 746.
156. ... p. 750.
157. ... p. 754.
158. ... p. 758.
159. ... p. 762.
160. ... p. 766.
161. ... p. 770.
162. ... p. 774.
163. ... p. 778.
164. ... p. 782.
165. ... p. 786.
166. ... p. 790.
167. ... p. 794.
168. ... p. 798.
169. ... p. 802.
170. ... p. 806.
171. ... p. 810.
172. ... p. 814.
173. ... p. 818.
174. ... p. 822.
175. ... p. 826.
176. ... p. 830.
177. ... p. 834.
178. ... p. 838.
179. ... p. 842.
180. ... p. 846.
181. ... p. 850.
182. ... p. 854.
183. ... p. 858.
184. ... p. 862.
185. ... p. 866.
186. ... p. 870.
187. ... p. 874.
188. ... p. 878.
189. ... p. 882.
190. ... p. 886.
191. ... p. 890.
192. ... p. 894.
193. ... p. 898.
194. ... p. 902.
195. ... p. 906.
196. ... p. 910.
197. ... p. 914.
198. ... p. 918.
199. ... p. 922.
200. ... p. 926.
201. ... p. 930.
202. ... p. 934.
203. ... p. 938.
204. ... p. 942.
205. ... p. 946.
206. ... p. 950.
207. ... p. 954.
208. ... p. 958.
209. ... p. 962.
210. ... p. 966.
211. ... p. 970.
212. ... p. 974.
213. ... p. 978.
214. ... p. 982.
215. ... p. 986.
216. ... p. 990.
217. ... p. 994.
218. ... p. 998.
219. ... p. 1002.
220. ... p. 1006.
221. ... p. 1010.
222. ... p. 1014.
223. ... p. 1018.
224. ... p. 1022.
225. ... p. 1026.
226. ... p. 1030.
227. ... p. 1034.
228. ... p. 1038.
229. ... p. 1042.
230. ... p. 1046.
231. ... p. 1050.
232. ... p. 1054.
233. ... p. 1058.
234. ... p. 1062.
235. ... p. 1066.
236. ... p. 1070.
237. ... p. 1074.
238. ... p. 1078.
239. ... p. 1082.
240. ... p. 1086.
241. ... p. 1090.
242. ... p. 1094.
243. ... p. 1098.
244. ... p. 1102.
245. ... p. 1106.
246. ... p. 1110.
247. ... p. 1114.
248. ... p. 1118.
249. ... p. 1122.
250. ... p. 1126.
251. ... p. 1130.
252. ... p. 1134.
253. ... p. 1138.
254. ... p. 1142.
255. ... p. 1146.
256. ... p. 1150.
257. ... p. 1154.
258. ... p. 1158.
259. ... p. 1162.
260. ... p. 1166.
261. ... p. 1170.
262. ... p. 1174.
263. ... p. 1178.
264. ... p. 1182.
265. ... p. 1186.
266. ... p. 1190.
267. ... p. 1194.
268. ... p. 1198.
269. ... p. 1202.
270. ... p. 1206.
271. ... p. 1210.
272. ... p. 1214.
273. ... p. 1218.
274. ... p. 1222.
275. ... p. 1226.
276. ... p. 1230.
277. ... p. 1234.
278. ... p. 1238.
279. ... p. 1242.
280. ... p. 1246.
281. ... p. 1250.
282. ... p. 1254.
283. ... p. 1258.
284. ... p. 1262.
285. ... p. 1266.
286. ... p. 1270.
287. ... p. 1274.
288. ... p. 1278.
289. ... p. 1282.
290. ... p. 1286.
291. ... p. 1290.
292. ... p. 1294.
293. ... p. 1298.
294. ... p. 1302.
295. ... p. 1306.
296. ... p. 1310.
297. ... p. 1314.
298. ... p. 1318.
299. ... p. 1322.
300. ... p. 1326.
301. ... p. 1330.
302. ... p. 1334.
303. ... p. 1338.
304. ... p. 1342.
305. ... p. 1346.
306. ... p. 1350.
307. ... p. 1354.
308. ... p. 1358.
309. ... p. 1362.
310. ... p. 1366.
311. ... p. 1370.
312. ... p. 1374.
313. ... p. 1378.
314. ... p. 1382.
315. ... p. 1386.
316. ... p. 1390.
317. ... p. 1394.
318. ... p. 1398.
319. ... p. 1402.
320. ... p. 1406.
321. ... p. 1410.
322. ... p. 1414.
323. ... p. 1418.
324. ... p. 1422.
325. ... p. 1426.
326. ... p. 1430.
327. ... p. 1434.
328. ... p. 1438.
329. ... p. 1442.
330. ... p. 1446.
331. ... p. 1450.
332. ... p. 1454.
333. ... p. 1458.
334. ... p. 1462.
335. ... p. 1466.
336. ... p. 1470.
337. ... p. 1474.
338. ... p. 1478.
339. ... p. 1482.
340. ... p. 1486.
341. ... p. 1490.
342. ... p. 1494.
343. ... p. 1498.
344. ... p. 1502.
345. ... p. 1506.
346. ... p. 1510.
347. ... p. 1514.
348. ... p. 1518.
349. ... p. 1522.
350. ... p. 1526.
351. ... p. 1530.
352. ... p. 1534.
353. ... p. 1538.
354. ... p. 1542.
355. ... p. 1546.
356. ... p. 1550.
357. ... p. 1554.
358. ... p. 1558.
359. ... p. 1562.
360. ... p. 1566.
361. ... p. 1570.
362. ... p. 1574.
363. ... p. 1578.
364. ... p. 1582.
365. ... p. 1586.
366. ... p. 1590.
367. ... p. 1594.
368. ... p. 1598.
369. ... p. 1602.
370. ... p. 1606.
371. ... p. 1610.
372. ... p. 1614.
373. ... p. 1618.
374. ... p. 1622.
375. ... p. 1626.
376. ... p. 1630.
377. ... p. 1634.
378. ... p. 1638.
379. ... p. 1642.
380. ... p. 1646.
381. ... p. 1650.
382. ... p. 1654.
383. ... p. 1658.
384. ... p. 1662.
385. ... p. 1666.
386. ... p. 1670.
387. ... p. 1674.
388. ... p. 1678.
389. ... p. 1682.
390. ... p. 1686.
391. ... p. 1690.
392. ... p. 1694.
393. ... p. 1698.
394. ... p. 1702.
395. ... p. 1706.
396. ... p. 1710.
397. ... p. 1714.
398. ... p. 1718.
399. ... p. 1722.
400. ... p. 1726.
401. ... p. 1730.
402. ... p. 1734.
403. ... p. 1738.
404. ... p. 1742.
405. ... p. 1746.
406. ... p. 1750.
407. ... p. 1754.
408. ... p. 1758.
409. ... p. 1762.
410. ... p. 1766.
411. ... p. 1770.
412. ... p. 1774.
413. ... p. 1778.
414. ... p. 1782.
415. ... p. 1786.
416. ... p. 1790.
417. ... p. 1794.
418. ... p. 1798.
419. ... p. 1802.
420. ... p. 1806.
421. ... p. 1810.
422. ... p. 1814.
423. ... p. 1818.
424. ... p. 1822.
425. ... p. 1826.
426. ... p. 1830.
427. ... p. 1834.
428. ... p. 1838.
429. ... p. 1842.
430. ... p. 1846.
431. ... p. 1850.
432. ... p. 1854.
433. ... p. 1858.
434. ... p. 1862.
435. ... p. 1866.
436. ... p. 1870.
437. ... p. 1874.
438. ... p. 1878.
439. ... p. 1882.
440. ... p. 1886.
441. ... p. 1890.
442. ... p. 1894.
443. ... p. 1898.
444. ... p. 1902.
445. ... p. 1906.
446. ... p. 1910.
447. ... p. 1914.
448. ... p. 1918.
449. ... p. 1922.
450. ... p. 1926.
451. ... p. 1930.
452. ... p. 1934.
453. ... p. 1938.
454. ... p. 1942.
455. ... p. 1946.
456. ... p. 1950.
457. ... p. 1954.
458. ... p. 1958.
459. ... p. 1962.
460. ... p. 1966.
461. ... p. 1970.
462. ... p. 1974.
463. ... p. 1978.
464. ... p. 1982.
465. ... p. 1986.
466. ... p. 1990.
467. ... p. 1994.
468. ... p. 1998.
469. ... p. 2002.
470. ... p. 2006.
471. ... p. 2010.
472. ... p. 2014.
473. ... p. 2018.
474. ... p. 2022.
475. ... p. 2026.
476. ... p. 2030.
477. ... p. 2034.
478. ... p. 2038.
479. ... p. 2042.
480. ... p. 2046.
481. ... p. 2050.
482. ... p. 2054.
483. ... p. 2058.
484. ... p. 2062.
485. ... p. 2066.
486. ... p. 2070.
487. ... p. 2074.
488. ... p. 2078.
489. ... p. 2082.
490. ... p. 2086.
491. ... p. 2090.
492. ... p. 2094.
493. ... p. 2098.
494. ... p. 2102.
495. ... p. 2106.
496. ... p. 2110.
497. ... p. 2114.
498. ... p. 2118.
499. ... p. 2122.
500. ... p. 2126.
501. ... p. 2130.
502. ... p. 2134.
503. ... p. 2138.
504. ... p. 2142.
505. ... p. 2146.
506. ... p. 2150.
507. ... p. 2154.
508. ... p. 2158.
509. ... p. 2162.
510. ... p. 2166.
511. ... p. 2170.
512. ... p. 2174.
513. ... p. 2178.
514. ... p. 2182.
515. ... p. 2186.
516. ... p. 2190.
517. ... p. 2194.
518. ... p. 2198.
519. ... p. 2202.
520. ... p. 2206.
521. ... p. 2210.
522. ... p. 2214.
523. ... p. 2218.
524. ... p. 2222.
525. ... p. 2226.
526. ... p. 2230.
527. ... p. 2234.
528. ... p. 2238.
529. ... p. 2242.
530. ... p. 2246.
531. ... p. 2250.
532. ... p. 2254.
533. ... p. 2258.
534. ... p. 2262.
535. ... p. 2266.
536. ... p. 2270.
537. ... p. 2274.
538. ... p. 2278.
539. ... p. 2282.
540. ... p. 2286.
541. ... p. 2290.
542. ... p. 2294.
543. ... p. 2298.
544. ... p. 2302.
545. ... p. 2306.
546. ... p. 2310.
547. ... p. 2314.
548. ... p. 2318.
549. ... p. 2322.
550. ... p. 2326.
551. ... p. 2330.
552. ... p. 2334.
553. ... p. 2338.
554. ... p. 2342.
555. ... p. 2346.
556. ... p. 2350.
557. ... p. 2354.
558. ... p. 2358.
559. ... p. 2362.
560. ... p. 2366.
561. ... p. 2370.
562. ... p. 2374.
563. ... p. 2378.
564. ... p. 2382.
565. ... p. 2386.
566. ... p. 2390.
567. ... p. 2394.
568. ... p. 2398.
569. ... p. 2402.
570. ... p. 2406.
571. ... p. 2410.
572. ... p. 2414.
573. ... p. 2418.
574. ... p. 2422.
575. ... p. 2426.
576. ... p. 2430.
577. ... p. 2434.
578. ... p. 2438.
579. ... p. 2442.
580. ... p. 2446.
581. ... p. 2450.
582. ... p. 2454.
583. ... p. 2458.
584. ... p. 2462.
585. ... p. 2466.
586. ... p. 2470.
587. ... p. 2474.
588. ... p. 2478.
589. ... p. 2482.
590. ... p. 2486.
591. ... p. 2490.
592. ... p. 2494.
593. ... p. 2498.
594. ... p. 2502.
595. ... p. 2506.
596. ... p. 2510.
597. ... p. 2514.
598. ... p. 2518.
599. ... p. 2522.
600. ... p. 2526.
601. ... p. 2530.
602. ... p. 2534.
603. ... p. 2538.
604. ... p. 2542.
605. ... p. 2546.
606. ... p. 2550.
607. ... p. 2554.
608. ... p. 2558.
609. ... p. 2562.
610. ... p. 2566.
611. ... p. 2570.
612. ... p. 2574.
613. ... p. 2578.
614. ... p. 2582.
615. ... p. 2586.
616. ... p. 2590.
617. ... p. 2594.
618. ... p. 2598.
619. ... p. 2602.
620. ... p. 2606.
621. ... p. 2610.
622. ... p. 2614.
623. ... p. 2618.
624. ... p. 2622.
625. ... p. 2626.
626. ... p. 2630.
627. ... p. 2634.
628. ... p. 2638.
629. ... p. 2642.
630. ... p. 2646.
631. ... p. 2650.
632. ... p. 2654.
633. ... p. 2658.
634. ... p. 2662.
635. ... p. 2666.
636. ... p. 2670.
637. ... p. 2674.
638. ... p. 2678.
639. ... p. 2682.
640. ... p. 2686.
641. ... p. 2690.
642. ... p. 2694.
643. ... p. 2698.
644. ... p. 2702.
645. ... p. 2706.
646. ... p. 2710.
647. ... p. 2714.
648. ... p. 2718.
649. ... p. 2722.
650. ... p. 2726.
651. ... p. 2730.
652. ... p. 2734.
653. ... p. 2738.
654. ... p. 2742.
655. ... p. 2746.
656. ... p. 2750.
657. ... p. 2754.
658. ... p. 2758.
659. ... p. 2762.
660. ... p. 2766.
661. ... p. 2770.
662. ... p. 2774.
663. ... p. 2778.
664. ... p. 2782.
665. ... p. 2786.
666. ... p. 2790.
667. ... p. 2794.
668. ... p. 2798.
669. ... p. 2802.
670. ... p. 2806.
671. ... p. 2810.
672. ... p. 2814.
673. ... p. 2818.
674. ... p. 2822.
675. ... p. 2826.
676. ... p. 2830.
677. ... p. 2834.
678. ... p. 2838.
679. ... p. 2842.
680. ... p. 2846.
681. ... p. 2850.
682. ... p. 2854.
683. ... p. 2858.
684. ... p. 2862.
685. ... p. 2866.
686. ... p. 2870.
687. ... p. 2874.
688. ... p. 2878.
689. ... p. 2882.
690. ... p. 2886.
691. ... p. 2890.
692. ... p. 2894.
693. ... p. 2898.
694. ... p. 2902.
695. ... p. 2906.
696. ... p. 2910.
697. ... p. 2914.
698. ... p. 2918.
699. ... p. 2922.
700. ... p. 2926.
701. ... p. 2930.
702. ... p. 2934.
703. ... p. 2938.
704. ... p. 2942.
705. ... p. 2946.
706. ... p. 2950.
707. ... p. 2954.
708. ... p. 2958.
709. ... p. 2962.
710. ... p. 2966.
711. ... p. 2970.
712. ... p. 2974.
713. ... p. 2978.
714. ... p. 2982.
715. ... p. 2986.
716. ... p. 2990.
717. ... p. 2994.
718. ... p. 2998.
719. ... p. 3002.
720. ... p. 3006.
721. ... p. 3010.
722. ... p. 3014.
723. ... p. 3018.
724. ... p. 3022.
725. ... p. 3026.
726. ... p. 3030.
727. ... p. 3034.
728. ... p. 3038.
729. ... p. 3042.
730. ... p. 3046.
731. ... p. 3050.
732. ... p. 3054.
733. ... p. 3058.
734. ... p. 3062.
735. ... p. 3066.
736. ... p. 3070.
737. ... p. 3074.
738. ... p. 3078.
739. ... p. 3082.
740. ... p. 3086.
741. ... p. 3090.
742. ... p. 3094.
743. ... p. 3098.
744. ... p. 3102.
745. ... p. 3106.
746. ... p. 3110.
747. ... p. 3114.
748. ... p. 3118.
749. ... p. 3122.
750. ... p. 3126.
751. ... p. 3130.
752. ... p. 3134.
753. ... p. 3138.
754. ... p. 3142.
755. ... p. 3146.
756. ... p. 3150.
757. ... p. 3154.
758. ... p. 3158.
759. ... p. 3162.
760. ... p. 3166.
761. ... p. 3170.
762. ... p. 3174.
763. ... p. 3178.
764. ... p. 3182.
765. ... p. 3186.
766. ... p. 3190.
767. ... p. 3194.
768. ... p. 3198.
769. ... p. 3202.
770. ... p. 3206.
771. ... p. 3210.
772. ... p. 3214.
773. ... p. 3218.
774. ... p. 3222.
775. ... p. 3226.
776. ... p. 3230.
777. ... p. 3234.
778. ... p. 3238.
779. ... p. 3242.
780. ... p. 3246.
781. ... p. 3250.
782. ... p. 3254.
783. ... p. 3258.
784. ... p. 3262.
785. ... p. 3266.
786. ... p. 3270.
787. ... p. 3274.
788. ... p. 3278.
789. ... p. 3282.
790. ... p. 3286.
791. ... p. 3290.
792. ... p. 3294.
793. ... p. 3298.
794. ... p. 3302.
795. ... p. 3306.
796. ... p. 3310.
797. ... p. 3314.
798. ... p. 3318.
799. ... p. 3322.
800. ... p. 3326.
801. ... p. 3330.
802. ... p. 3334.
803. ... p. 3338.
804. ... p. 3342.
805. ... p. 3346.
806. ... p. 3350.
807. ... p. 3354.
808. ... p. 3358.
809. ... p. 3362.
810. ... p. 3366.
811. ... p. 3370.
812. ... p. 3374.
813. ... p. 3378.
814. ... p. 3382.
815. ... p. 3386.
816. ... p. 3390.
817. ... p. 3394.
818. ... p. 3398.
819. ... p. 3402.
820. ... p. 3406.
821. ... p. 3410.
822. ... p. 3414.
823. ... p. 3418.
824. ... p. 3422.
825. ... p. 3426.
826. ... p. 3430.
827. ... p. 3434.
828. ... p. 3438.
829. ... p. 3442.
830. ... p. 3446.
831. ... p. 3450.
832. ... p. 3454.
833. ... p. 3458.
834. ... p. 3462.
835. ... p. 3466.
836. ... p. 3470.
837. ... p. 3474.
838. ... p. 3478.
839. ... p. 3482.
840. ... p. 3486.
841. ... p. 3490.
842. ... p. 3494.
843. ... p. 3498.
844. ... p. 3502.
845. ... p. 3506.
8

- Turkin, A. N. - Economic expediency of using hydraulic clutches in feed pump drives p. 60.
- Balcev, E. D., Troiankin, I. V. - Effect of design parameters on the aerodynamics of cyclone chambers p. 67.
- Zarlanin, A. E., Shakh, K. D. - Use of elliptical diffusers in the exhaust pipes of steam turbines p. 71.
- Rubashkin, A. S. - Method for adjusting a perturbation compensating device activated by expenditure of feedwater in the fuel regulator of a once-through-type boilers p. 73.
- Sukomel, A. S., Tsvetkov, F. F., Kertimov, R. V. - Study of local heat transfer from the wall of a pipe to a turbulent gas flow carrying suspended solid particles p. 77.
- Bartolomei, G. G., Chaniulia, V. M. - Experimental study of actual steam content in the boiling of underheated water in vertical pipes p. 80.
- Cherny, Frantisek - Thermometric sleeve pipe with small heat inertia for measuring temperatures of steam and gases p. 84.
- Shchegolev, G. M. - Thermodynamic calculation of high-temperature operating processes p. 88.
- Shitsman, M. E., and others - Methods for inserting thermocouples in water walls of boilers p. 91.
- Ermakov, V. S., Minkov, V. A., Khvatski, G. I. - Overall automation of electric power plants p. 93.
- Survey of magazine articles on central heating for 1964-1965 p. 95.
- Vol. 14, no. 5, May 1967.
- Table of contents translated:
- Zykov, S. A., and others - Future application of gas turbines and steam-gas systems in power engineering p. 2.
- Morozov, G. N., Timofeev, N. A. - Gas turbine and steam-gas electric power plants with a high power rating p. 6.
- Kirillov, I. I., and others - Basic steam vapor systems p. 10.
- Byvshov, S. V., Zommergrad, F. M. - Effective high-pressure steam-gas superstructures for thermal electric power plants p. 13.
- Analysis of the effectiveness of modernization of the steam-gas cycle operating thermal electric power plants p. 19.
- Minkov, V. A., Pazukhin, V. V. - Selection of optimal systems of steam-gas power plants p. 26.
- Budnitski, D. M., Kazanovich, B. B., Motovilova, M. I. - Optimal temperature of regenerative superheating of the feedwater of large turbines with back pressure p. 32.
- Topunov, A. M. - Determination of optimal twist of a flow behind a turbine stage p. 38.
- Rushchinskii, V. M. - Approximate solution of equations of dynamics of boiler sections with a two-phase medium p. 41.
- Lezhnin, V. A., Permlakov, B. A. - Study of temperature conditions and hydraulics of a radiational air preheater p. 48.
- Pleskov, G. I. - Large post operated electric power plants p. 52.
- Man'kina, N. N., Ivanova, V. S. - Methods for preventing corrosion and scale formation using hydrazine p. 56.
- Vukalovich, M. P., Zubarev, V. N., Sergeev, L. V. - Equation of state of superheated water vapor applicable to the calculation of turbines using electronic digital computers p. 60.
- Galin, N. M. - Heat exchange in turbulent flow of gas near rough walls p. 66.
- Fundamentals of heat engineering indices of vortex type apparatus p. 73.
- Bolotin, N. K. - Single-parameter equations of state for natural gases p. 75.
- Kalafati, D. D., Raschikov, D. S., Petrov, E. K. - Experimental study of p, v, t dependence of ethyl alcohol p. 77.
- Mamedov, A. M., Akhundov, T. S., Asadullina, N. N. - Experimental study of density and pressure of saturation of acid p. 81.
- Problems of water treatment and water conditions in large steam turbine blocks in the U.S.S.R. p. 83.
- Bekmez, V. S., Chernobrovkin, A. P., Tyryshkin, V. G. - Development of atomic gas-turbine systems with closed cycle abroad p. 86.
- Chaban, O. I., Plisarenko, P. I. - Method for approximate calculation of the characteristics of a convective steam superheater in operating modes differing from design conditions p. 90.
- Survey of foreign magazine articles on gas turbines for 1966 p. 95.
- TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY]. Organ of Gosudarstvennyi komitet avtotraktornogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR (State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.). Moscow, no. 5, May 1967.
- Table of contents translated:
- Kargopolov, V. A. - Development of the design of Soviet tractors during the last 50 years p. 1.
- Vzorov, B. A., and others - Studying the regularity of the deformation of cylinder sleeves during the assembly of engines p. 3.
- Davydov, B. N., Volodin, V. M. - Studying the effect of some factors on air velocity in the combustion chamber designed by the Central Scientific Research Diesel Institute p. 6.
- Doiganov, K. E., Kovalev, A. I. - Studying the loading centrifugal governor of fuel pressure p. 7.
- Dotsenko, B. N. - Estimating the cavitation resistance of sleeves p. 9.
- Khalitov, A. N. - Effect of some factors on the kinematic and energetic indices of the turning of wheeled tractors p. 10.
- Pulin, V. A. - Operational and strength quality of the wheels of the "Kirovets" K-700 tractors p. 11.
- Popov, E. G., Chelapin, A. M., Kravtsov, A. K. - Some results of studying the strength of the cast track link of the 3m class tractors p. 13.
- Brunov, A. V., and others - Anticorrosive and ornamental plastic material coverings p. 15.
- Beinshstein, M. L., and others - Some possibilities for improving the quality of harvesting machinery sections p. 17.
- Shenlakin, V. I. - Power of the engines of agricultural machinery units in performing field work p. 19.
- Kuznetsov, A. V., Medvedev, A. F. - Testing conveyors for window reapers p. 21.
- Baranov, A. A. - Methodology for determining the optimal operating width of window reapers p. 23.
- Nartov, P. S. - Power characteristics of a free rotating and biased spherical disk p. 25.
- Khachev, V. N., Miroshnikov, S. S. - Self-sharpening smooth sections of hay harvesters and straw grinders p. 26.
- Nikolayev, G. A. - International system of machines for the overall mechanization of agriculture and forest management in the member countries of the Mutual Economic Assistance Council p. 29.
- Nikolayev, V. I. - GPP-8 transverse rakes p. 30.
- Radvitski, K. I. - Stubble plowing device of the "Pakhar" plow p. 31.
- Teterov, B. I., Semenov, I. F. - Machine for onion sorting p. 31.
- Izotov, A. E., Kostlov, V. V. - Improve the organization of the production of assembly shops p. 32.
- Ignat'ev, A. K., Ustin, M. N. - New method for the form formation of openings in the plates of bushed roller chains p. 34.
- Generalov, D. N., Marin, V. A. - Automatic assembly line for the connecting rod-piston set of the D-50 diesel engine p. 36.
- Sokolovski, A. Z., Sakhnovskii, A. R. - Centralized feeding of welding units by carbon dioxide p. 38.
- Dul'kin, G. S., Morozov, S. B., Kachasov, V. M. - Automatic calibrating control of powder metal bushings p. 39.
- Portlanko, A. A. - Preservation of internal cavities of the parts of tractors and agricultural machinery p. 40.
- Kopylov, M. K. - Construction characteristics of the English "Leland" and "Rolls-Royce" diesel motors p. 41.
- Aleksandrov, V. I., Nikulin, S. N. - Testing the "Penton" pendulum spreader p. 43.
- Vartlamov, G. P. - Spreading fertilizers from piles p. 45.
- Volda, A. N. - Origins of the domestic agricultural machinery industry p. 47.
- *VESTNIK MASHINOSTROENIA [MACHINERY MANUFACTURE REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR (State Committee for the Coordination of Research in the U.S.S.R.) and others. Moscow, vol. 47, no. 5, May 1967.
- Table of contents translated:
- Butinov, V. V. - Increase of the efficiency of production processes and problems of scientific organization of labor p. 3.
- Doordiev, N. T., Podrabinnik, I. M. - Development of the Soviet forging machinery industry p. 8.
- Maldanchik, B. I., Mel'nov, M. A., Sereda, V. A. - Scientific organization of labor at the machinery enterprises of Sverdlovsk Province p. 12.
- Pronikov, A. S., Dunin-Barkovskii, I. V. - Reliability of machines according to basic technical indices p. 15.
- Gurvich, I. B., Egorova, A. P., Panov, I. M. - High-speed durability tests of engines p. 19.
- Kazartsev, V. I., Pavlov, P. M. - Effect of partial coatings on the fatigue resistance of parts p. 22.
- Dodin, I. U., Mukhin, I. U., Sokol, V. N. - Increasing the reliability of blades of shot peening devices p. 25.
- Kachan, P. A., Frolov, P. I. - Increasing the wear resistance of grab teeth by building-up p. 27.
- Prokof'ev, V. N. - Dynamics of a hydrostatic thrust bearing p. 28.
- Molchanov, A. A. - Testing metal structures of a 250-ton-capacity floating crane p. 33.
- Andreev, G. I. A., Shat'ko, I. I. - Distribution of contact pressures in light-koying file p. 36.
- Kravinov, A. F. - Engineering synthesis of planetary reducers p. 38.
- Basheev, S. M., Antoniuk, V. E. - Bending resistance of the teeth and rim of single-rim satellites of 2K-N-type planetary transmissions p. 40.
- Gromov, M. B. - Load distribution along the tooth p. 42.
- Makova, I. U. N. - Increasing the capacity of a vibrating conveyor for the transportation of hot materials p. 45.
- Umanov, Kh. G. - Geometry of the V-belt transmission p. 48.
- Bakalircv, A. P. - Simple calculation of compressed coiled springs p. 47.
- Genel', S. V., and others - Efficiency of the heat treatment of polyamides p. 49.
- Drozdo, N. G. - Selecting material for bushings of universal spindles of rolling mills p. 51.
- Beletskii, D. G., Zhemchugov, V. N. - Basic parameters of ejectorless hydroabrasive jet polishing p. 53.
- Takhtenberg, I. M. - Vibratory cleaning of sheet metal and metallic articles p. 56.
- Romanov, K. F., Solnikova, K. F. - Increasing the strength of the KhN70VMTU (E1617) alloy by increasing the rigidity of the technological system in turning p. 57.
- Proskurjakov, I. U. G., Sioliarov, V. S. - Preventing node formation in mechanical surface hardening of metals by flaking p. 60.
- Fedotov, A. I. - Selecting working conditions for diamond tools p. 62.
- Shafcev, S. D. - Reducing the wear of punching dies p. 64.
- Reznikov, A. N., Gofman, M. I. - Effect of abrasive and diamond grinding on the state of surfaces and strength of grinding wheels p. 65.
- Malikov, F. P. - Effect of molybdenum disulfide coating on the strength of cutting tools p. 66.
- Vladimirovskaya, S. N., and others - Engineering properties of some steels at low temperatures p. 67.
- Vlasenko, I. U. A., Veloskii, I. U. S. - Using linear programming in determining optimum loading of interchangeable equipment p. 69.
- Sisler, E. L. - Interplant accounting under conditions of economic reform p. 73.
- Kuz'min, I. U. N. - Interplant accounting at the Fourth State Bearing Plant p. 75.
- Epshteyn, M. B. - Practice of the Second Watch Plant p. 76.
- Chikov, A. A. - Improving the accounting at the Ural Car Plant p. 77.
- Sinel'nikova, Z. S. - Preparing the transition to the new planning and incentive system at the Uzbek Machinery Plant p. 78.
- Kasimov, A. M. - Problems in the consolidation of accounting in shops p. 78.
- Rozenberg, V. I. - Accounting for the utilization of equipment p. 79.
- Isinskii, A. I. - Draft of "Regulations on interplant accounting under new conditions of planning and economic incentives" p. 80.
- Kalurov, I. U. V., and others - Discussion on a standard draft of "Regulations on interplant accounting under new conditions of planning and economic incentives" worked out by the Special Design Office-3 p. 81.
- Sokolovskii, A. F. - All-Union conference on economic problems in the improvement of production quality p. 83.
- Shlumper, V. B. - Conference on automatic feed devices and transfer lines p. 84.
- Soviet Inventions in mechanical engineering p. 85.
- In the Ministry of the Machine-Tool and Metal-Cutting-Tool Industry p. 86.
- ZA DEZOPASNOST' DVIZHENIA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD-GAI Upravleniia okhrany obshchestvennogo poriadka i spolikona Mosgorsoveia [Traffic Department and the State Automobile Inspection Agency of the Administration for the Protection of Public Order of the Executive Committee of the Moscow City Soviet]. Moscow, vol. 8, no. 5(108), May 1967.
- ZA RULEM [AT THE WHEEL]. Issued by Vsesoluznoe dobrovol'noe obshchestvo sodel'stvia armii, aviatstii i floty [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, nos. 5, May 1967.
- h MINING & METALLURGY
- AKADEMIA NAUK KAZAKHSSKOI SSR, Alma-Ata, Institut metallurgii i obogashcheniia, Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Metallurgy and Ore Dressing, Transactions], Alma-Ata, vol. 21, 1967. Chemistry and technology of certain metal thio salts.
- Table of contents translated:
- Polyviannyi, I. R., Milutina, N. A. - Solubility of poorly soluble metal compounds in aqueous solutions of sodium sulfide p. 3.
- Polyviannyi, I. R., Dzhanureev, A. - Studying the effect of pH on equimolar minor metal concentrations in alkali-sulfide solutions p. 20.
- Polyviannyi, I. R., Dzhanureev, A. - Effect of pH on the settling of metal sulfides out of acid solutions using sodium sulfide p. 28.
- Anan'ev, N. I., and others - Antimony thio salts and some of their physicochemical properties p. 35.

- Maslov, V. I., Polyviannyi, I. R. - Certain germanium chlo salts and their properties. p. 50.
- Polyviannyi, I. R., Sysoev, L. N. - Mercury cementation by antimony from alkali sulfide solutions. p. 56.
- Polyviannyi, I. R., Maslov, V. I. - Studying the rate of indium cementation by aluminum from sulfide alkali solutions. p. 60.
- Polyviannyi, I. R., Anan'ev, N. I. - Combined method of processing antimony raw materials. p. 65.
- Polyviannyi, I. R., and others. - Complex treatment of lean bismuth-tungsten and molybdenum containing concentrates. p. 76.
- Gahuzo, V. N., and others. - Mineralogical transformations in refractories during the smelting of copper dross with sodium sulfide. p. 88.
- AKADEMIA NAUK SSSR. Izvestia. Metallurgy [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Metallurgy], Moscow, no. 3, May-June 1967.
- Table of contents translated:
- Puzankov, V. V., and others. - Studying mineral formation and desulfuration during the smelting of barite-containing hematite ores. p. 3.
- Ivolskii, V. I., and others. - Metal oxidation in open-hearth furnaces and oxygen-blown converters. p. 15.
- Okholskii, V. B., Stupar, N. I. - Slag formation in an oxygen-blown converter. p. 23.
- Minaev, I. A., Grigor'yan, V. A. - Oxidation of sulfur dissolved in liquid iron by gaseous phase oxygen. p. 30.
- Fitonenko, N. A., and others. - Phase constitution of skull formed during silicon-aluminum alloy smelting. p. 36.
- Maksimov, I. S., and others. - Reduction by carbon of silicon and calcium from their oxides. p. 42.
- Moldavskii, O. D., and others. - Desulfurating ability of slags on a CaF_2 base. p. 45.
- Litvinova, T. I., Ralchenko, T. F., Kamardin, V. A. - Changes in the phase constitution of slags during alloying of stainless steel with titanium. p. 47.
- Belov, B. F., Novokhatskii, I. A., Lobanov, I. A. - Determining the maximum solubility of oxygen in molten iron, cobalt and nickel. p. 53.
- Rodikhin, V. V., Andreev, A. E., Tkatchik, V. S. - Iron solubility in magnesium. p. 63.
- Pandilov, S. A., Tsvetkov, I. V., Chizhikov, D. M. - Dissociation of tungsten carbide in a flow of low-temperature plasma. p. 68.
- Isakova, R. A., and others. - Rate of volatilization of nonferrous metal sulfides in vacuum. p. 74.
- Anufrieva, N. I. - Effect of certain factors on electrocrystallization of titanium from fused salts. p. 81.
- Musilenko, V. T., Orlov, V. M. - Electrolytic refining of titanium alloys. p. 88.
- Sushkin, N. G., Budzinski, O. Z., Efremov, V. E. - Preparing single crystals of high-melting metals by the Czochralski method. p. 94.
- Kalinovskii, D. F., Kovenskii, I. I., Siroilin, M. D. - Electron transfer in molybdenum-base alloys. p. 101.
- Kuznetsov, B. A. - Distribution of plastic deformations in polycrystalline metals. p. 105.
- Tkachenko, F. K., Tkachenko, T. N. - Activation energy and factor determining the graphitization of white cast iron. p. 109.
- Guliev, A. P., Egorshina, T. V., Maslennikov, S. B. - Characteristics of dendritic segregation in multi-component alloys. p. 113.
- Livshits, B. G., Matfina, R. I., Novikov, I. V. - Effect of preliminary annealing on secondary recrystallization of transformer steel. p. 118.
- Leont'ev, B. A., Matveeva, M. P., Sheliagina, T. I. - Kinetics of the growth of Widmanstätten crystals of cementite in steel. p. 122.
- Baranov, S. M., Lukhtina, E. M., Karatashin, S. I. - Effect of deformation produced by tension on isothermal transformation of supercooled austenite in 40KhSA steel. p. 128.
- Gur'ev, A. V., Stoliarov, G. I. - Development of slip bands on a steel surface during fatigue testing. p. 133.
- Mirkin, L. I., Filipetskii, I. F. - Hardening of a hard alloy under the effect of a beam of light. p. 137.
- Karavaeva, V. V., Sukhovarov, V. F., Bulkevich, L. M. - Characteristics of the effect of precipitation on hardening of E1702 alloys. p. 140.
- Chistiakov, I. D., and others. - Studying the process of vacancy configuration occurrence on aluminum surfaces during hardening from high temperatures. p. 146.
- Savitskii, E. M., Dashevskaya, O. B. - Precipitation hardening of niobium-base alloys. p. 152.
- Malashenko, I. S. - Effect of carbon on the structure and strength properties of niobium and its alloys. p. 159.
- Faranova and others, V. K. - Effect of deformation conditions on nickel recovery and heat resistance. p. 167.
- Arbuzov, M. P., Chuprina, V. G. - Studying certain physical properties of $\text{Ni-Al-Ni}_3\text{Al}$ alloys. p. 174.
- Dubrovina, A. N.; Umanaki, I. A. - Effect of deformation on transformations during the annealing of Ni-Mo alloys. p. 180.
- Gel'd, P. V., and others. - Certain characteristics of particle interaction in alloys of IVa - VIA group metals. p. 186.
- Eremenko, V. N., Lukashenko, G. M., Sidorko, V. R. - Thermodynamic properties of solid solutions in the system manganese - cobalt. p. 192.
- Dekhtiar, M. V. - Transformation of the FeAl metastable phase and changes in magnetic properties during the ordering of a hardened iron-aluminum alloys. p. 197.
- Boriskina, N. G., Milashenko, K. P., Fedotov, S. G. - Elastic constants in alloys of the system Ti - Al - Cr - Fe - Si. p. 205.
- Kornilov, I. I., Mukheev, V. S., Markovich, K. P. - Studying the phase equilibrium of part of the system Ti - Al - Cr - Fe - Si - B. p. 211.
- Temkin, D. E. - Kinetics of the contact melting process in stationary conditions. p. 219.
- Vorob'ev, V. V., Rjabchikov, L. N. - Yttrium oxidation under low pressures. p. 226.
- Iurov, P. P., Volgal, V. F. - Determining the quality of "tobacco" ore roasting by magnetometric methods. p. 228.
- AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Soviet narodnogo khozhaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S S R and the State Committee of the Council of Ministers of the Azerbaijan S S R, for the Coordination of Research]. Baku, vol. 46, no. 4(490), Apr 1967.
- Table of contents translated:
- In a plant of Communist labor. p. 1.
- Gul'dast, M. A., Asadov, M. N. - Some problems of tectonic structure of Atayay fold zone. p. 1.
- Mekhtiev, Sh. F., Batramov, A. S. - Cis-Talysh fore-deep and its internal structure. p. 4.
- Geldarov, M. I., Kurbanzade, A. M. - Role of vertical migration information of oil pools. p. 8.
- Aliev, A. I., Poloudin, G. A. - Problem of gas potential in Pechavnyy-More oil field. p. 10.
- Sherstnev, N. M., and others. - Precipitation of borings weighed muds. p. 13.
- Makhmudov, D. M. - Determination of stress on hook during motion of drill pipe in slant wells with three-dimensional deviation. p. 15.
- Akhmedov, A. A., Rasulov, M. G. - Investigating sinking of directional holes with small deflection in Neftyanyye Kanni and Gyzeyvayn Sopka fields and ways to improve their completion. p. 18.
- Grigor'yan, N. A., Tagi-Zade, T. G. - Effect of correlation between well and bit diameters on size of minimum radius and possible increase of hole deviation angle. p. 20.
- Mirzazadeh, A. Kh., and others. - Determining hydraulic resistance in flow of drilling muds in pipe with permeable walls. p. 23.
- Dzhalilov, G. I. - Dynamics of water encroachment of wells taking into consideration nonuniformity of their output. p. 25.
- Agiev, A. B., Guseinov, T. M., Sultanov, Ch. A. - Developing some parts in Bileylat oil field in combination drive. p. 27.
- Ahasov, M. T., and others. - Character of phase conversions in bottom zone of gas and gas condensate wells in nonisothermal flow. p. 29.
- Abdullayev, A. A., and others. - Organizational structure of automated petroleum production enterprise with computer equipment. p. 31.
- Akhmedov, A. D. - Some results of laboratory study of performance of deep well pump with side openings. p. 34.
- Ashurov, G. G., and others. - Studying individual composition of n-paraffin hydrocarbons of Baku petroleum. p. 38.
- Hamazov, I. I., and others. - Synthesis of new quaternary ammonium compounds from crude oil. p. 38.
- Zeinalov, S. D. - Investigating hydrocarbon-soluble corrosion inhibitors in system acid aqueous solutions - hydrocarbons. p. 39.
- Sultanov, S. G., Kuliev, I. G., Prilutskii, V. L. - Wedging of bit cutters. p. 42.
- All-zade, F. G., and others. - Corrosion of oil well casings in Oil Field Administration of "Buzovny-neft". p. 44.
- Derkotalko, Z. M., Panikiant, S. M. - Economic evaluation of using large-block OMB-125 platforms. p. 46.
- Veteran of the petroleum industry. p. 48.
- All-Union conference. p. 49.
- Vol. 46, no. 5(491), May 1967.
- Table of contents translated:
- Speed up, prospectors of offshore fields. p. 1.
- Kabulova, A. I., Pushkaradze, A. L. - Prospects for finding oil and gas pools in offshore portion of Balakhan-Zykh anticline zone. p. 1.
- Tagiev, E. A., Nadirov, S. G., Guliev, G. A. - Exploring Sulvanovka structure. p. 4.
- Akhmedov, A. M., and others. - Regulating migration of water-oil contact in nonuniform reservoirs in artificial flooding. p. 6.
- Sheldae, Ch. M. - Factors affecting drowning rate in horizons of Kirmaki Series in fields of Apsheron oil- and gas-bearing region. pp. 9, 46.
- Rustambekov, T. F., and others. - Running 219 mm casing-tube down to 5800 m in well No. 100 of Shakhbaza. p. 1.
- Vekilov, T. G., and others. - Abrading-cutting bits in Shakhbaza. p. 1.
- Aliev, R. T., Movsumov, A. A. - Effect of additives on water mud. p. 16.
- Bulatov, K. A., Kasimov, I. I., and others. - Effect of surface defects on oil mud. p. 16.
- Elvazov, P. M. - Invasion of water into oil reservoirs. p. 16.
- Dzhalilov, N. D. - Considering the cost of oil and water when working on oil boundary displacement and well. p. 16.
- Voroshilov, E. A., Dzhalilov, I. I., and others. - Distribution of precipitated matter in mixing of waters. p. 25.
- Dzhamalov, I. M., Bagirov, M. H., Alekseyev, I. M. - Using acid heat treatment of well. p. 27.
- Mamedov, N. A., Dadash-zade, A. A., and others. - Establishing efficient pumping periodically producing deep wells. p. 31.
- Gurbanov, R. S., Kozimov, R. G., and others. - Between two cylinders in case of oil cylinder. p. 31.
- Mekhtiev, S. D., and others. - Composition of derivative of oil. p. 34.
- Guseinov, D. A., and others. - Version of propane and butane. p. 34.
- Aliev, V. S., Aliev, A. M. - Catalytic of narrow fractions of petroleum. p. 39.
- Ashimov, M. A., and others. - Field of Buzovny and Shivan petroleum. p. 41.
- Masumov, D. I., and others. - For on plate tower trays. p. 43.
- Gadzhiev, N. M. - Status and use of field. p. 47.
- Field Administration of "Otdel'naia". p. 47.
- Session of Scientific and Technical. p. 47.
- BURENIE [DRILLING]. Issued by the Ministry of Geology and Prospecting of the Azerbaijan SSR. p. 1.
- Issledovaniya po nefti i gazu, tekhnika i ekonomika [Research on oil and gas, technology and economy]. p. 1.
- promyshlennosti [Central Scientific Institute of Technological-Economic Studies in the Petrochemical and Gas Industry]. Baku, 1967.
- Table of contents translated:
- Zubarev, A. V., Saikhalina, T. A., and others. - Using single-cone bits in drilling gas wells in the Caucasus. p. 3.
- Sadon, M. I. - Experience in using single-cone bits. p. 8.
- Zakhtidov, M. Sh. - Experience in using single-cone bits in the Zapadnyy Khazariya. p. 10.
- Bekikov, V. G., Poinsh, S. A., Mirzazadeh, A. Kh., and others. - Observations on performance and 289 mm three-cone bits in drilling reducing gear electric drill. p. 11.
- Skomorokhin, E. M., Shibanov, V. A., and others. - Using diamond bits in areas of Combine. p. 15.
- Blockin, I. E., and others. - Running 219 mm to a depth of 3705 m. p. 18.
- Prutyanov, I. P. - Sealing zones of circulation losses. p. 21.
- Akhmetshin, E. A., Kokh, V. P., and others. - starch in Arkan field. p. 23.
- Gazlan, G. S., Sakharov, S. D., and others. - Muds used in tapping and testing zones in Pripet Depression. p. 24.
- Volykhina, Zh. P., Zubkov, E. F., and others. - Results of experimental and industrial and limestone powders in preparation of muds. p. 26.
- Bulatov, A. I., and others. - Using slag for cementing high-temperature wells. p. 28.
- Kuban, p. 28.
- Rakhimkulov, R. Sh., and others. - Low-hygroscopic plasticized plugs in Western Siberia. p. 31.
- Lasashin, A. M., Maslov, V. I., and others. - Layers in prospecting wells. p. 33.
- Vinarskii, M. S., and others. - Studying the mud by improved methodology. p. 38.
- Nazarov, I. V. - Reducing number of drilling in rotary drilling. p. 42.
- *FIZIKO-TEKHNIЧЕСКИЕ ПРОБЛЕМЫ НАУЧНО-ТЕХНИЧЕСКОГО ПОЛЕЗНЫХ ИСКОПАЕМЫХ [PHYSICAL AND TECHNOLOGICAL PROBLEMS OF THE MINERAL RESOURCES]. Issued by Sibskoe otdel'noye nauchno-issledovatel'skoe upravleniye SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, Jan - Feb, 1967.
- Table of contents translated:
- Savkov, L. V. - Taking into account fracturing calculations of rock slope stability. p. 3.

- Mirzaev, G. G. - Rock deformations under the simultaneous effect of static and dynamic pressures, p. 11.
- Mel'nikov, N. I., and others. - Results of studying certain strength characteristics of rocks of Volyn' deposit, p. 16.
- Darshtein, L. S. - Sandstone extension and compression diagrams, p. 24.
- Moskine, V. N., and others. - Method of rock zonation according to difficulty of blasting, p. 30.
- Turuta, N. U., and others. - Rate of elastic wave propagation in fractured media, p. 37.
- Demiduk, G. P. - Criteria for the estimate of blasting properties of explosives for mining operations, p. 43.
- Rubtsov, V. K. - Dependence of the yield of large lumps in blasting on the specific consumption of explosives, p. 53.
- Markenron, E. L. - Mechanism of the action of an explosion in "tight face" blasting, p. 60.
- Kostylo, A. D., and others. - Similitude of vibrating loader-hauler machines, p. 64.
- Muzhik, S. S., Georgiev, I. U. F., Upatov, E. V. - Promising type of working equipment for underground excavators, p. 67.
- Tiro, A. M. - Selecting main parameters for self-propelled loader-hauler complexes, p. 72.
- Medvedev, I. F., Pulikay, A. I., Duzhin, A. P. - Determining optimum power parameters for machines of rotary-percussion action for drilling blastholes, p. 77.
- Plakshi, I. N., Barysheva, K. F., Solnyshkin, V. I. - New reagents for the flotation of complex rare-metal ores, p. 81.
- Loles, L. D. - Flotation rate, p. 89.
- Baryshnikov, F. A., Hlambeyev, A. P. - Equipment for piezometric determination of velocity head and static pressure of a fluid flow, p. 90.
- Chubakov, L. A. - Optimization of conditions in a closed inertial system, p. 104.
- Izakson, V. I., Sigayev, C. A., Kolchanov, V. D. - Advantages of flow from nozzles with insertion of an air tube, p. 110.
- Baron, L. I., Beklybaev, A. D. - Studying the wear of drill bits in rocks of varying abrasivity, p. 116.
- Mechtkov, O. S., Makarevich, V. F., Sedlov, M. G. - Criteria of inextensibility of fissured rocks and method of determining it, p. 118.
- Pol'diakov, I. S., and others. - Compiling rock hardness maps, p. 122.
- GAZOVOE DELO [GAS INDUSTRY].** Issued by Tsentral'nyy nauchno-issledovatel'skiy institut tekhniko-ekonomicheskikh issledovaniy po neflianoj, neflekhnicheskoi i gazovoj promyshlennosti [Central Scientific Research Institute of Technology-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 3, 1987.
- Table of contents translated:
- Dolenko, G. N., Iarovskiy, B. I., Vil'rik, S. P. - Prospects for developing gas industry in western regions of Ukraine, p. 3.
- Gimer, R. F., Pehiv, I. M., Tkachuk, A. I. - Characteristics of geology and gas occurrence in Khodnovich field, p. 9.
- Pavlovskiy, L. V., Grigorchuk, L. V. - New data on geology and gas occurrence in Pocene and Paleocene sediments of Bilkov field, p. 15.
- Soltskiy, E. V., and others. - Movement of bottom water in Upper Cretaceous pools of Ugorsko and Bil'che-Vollisa gas fields, and character of water drive system, p. 19.
- Gimer, R. F., Tkachuk, A. I. - Methodology of predicting indices of gas pool development in elastic water drive, p. 27.
- Zimura, G. M. - Grouping measuring and control points of wells in Opari field, p. 34.
- Fidler, A. A., Borauk, M. P. - Experience in operating gas cleaning and drying units of Rudki gas field, p. 40.
- Bosov, G. P. - Automation of process of methanol injection for preventing formation of crystal hydrates, p. 42.
- No. 4, 1987.**
- Table of contents translated:
- Petrov, I. M., Krivko, I. A., Gimer, R. F. - Gas production in the Carpathian region, p. 3.
- Klochko, I. U. S., and others. - Determining productive capacity of gas wells and pools, p. 8.
- Tkachuk, A. I., Gimer, R. F., Soltskiy, E. V. - Selecting optimum intervals for tapping productive horizons in gas wells with bottom water, p. 11.
- Shvadchuk, N. S. - Using reservoir analogy of gas condensate pool for increasing production of oil pool in Bilkov field, p. 16.
- Grilisonko, A. I., Savvina, I. A. D., Ushkin, V. V. - Investigating new gas condensate pools in western regions of the Ukraine, p. 21.
- Gimer, R. F., and others. - Possibilities of discharging industrial waters into Upper Cretaceous productive horizon in Ugorsko and Bil'che-Vollisa gas fields, p. 23.
- Parshov, E. - Gathering of petroleum gas in Oil Field Administration of "Dolnaneft", p. 28.
- Shikhinets, V. - Experience in automation of Rudki gas field, p. 32.
- Geletii, N. G., Kinash, F. E. - Automation of methanol injection into gas pipeline in front of throttle devices, p. 36.
- Tsareva, L. N. - Development of gas production in the Western Ukraine, p. 40.
- No. 5, 1987**
- Table of contents translated:
- Sembi, V. I., Korotayev, I. U. P., Khoroshilov, V. A. - Experiments in speeding up the stabilization of hydrocarbon condensate in the field of elastic vibrations, p. 3.
- Shmygla, P. T., and others. - Possibility of using cycling process in the Yuzhno-Sovetskoye gas condensate field in Krasnodar Territory, p. 8.
- Grilisonko, A. I., and others. - Characteristics of gas gathering and processing technology in gas condensate fields of the Zagli-Darvaza type, p. 13.
- Onoplenko, V. P., Serednitskiy, L. M. - Storage of liquefied gases in oil reservoir, p. 18.
- Doroshenko, P. G., Firsov, A. I. U. - Automatic intensified current drainage, p. 22.
- Tatnenko, B. F. - Method for determining the actual parameter of fluctuations in an automatic two-position control, p. 27.
- Klenfel'der, E. G., Shchelokov, I. A. M. - Graphic method for heat engineering calculations in the simultaneous combustion of three gaseous fuels, p. 30.
- GEOLOGIA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS].** Organ of Gosudarstvennyy geologicheskii komitet SSSR and Gosudarstvennyy proizvodstvennyy komitet po gazovoj promyshlennosti SSSR [State Geological Committee of the U. S. S. R. and the State Production Committee for the Gas Industry of the U. S. S. R.], Moscow, vol. 11, no. 4, Apr. 1987.
- Table of contents translated:
- Socialist pledge of workers, engineering and technical personnel, and employees of organizations and enterprises of the Ministry of Geology of the U. S. S. R. on the eve of the 50th anniversary of the Great October Socialist Revolution, p. 1.
- Socialist pledge of enterprises and organizations of the Ministry of the Petroleum Production Industry of the U. S. S. R. in honor of the 50th anniversary of the Great October Socialist Revolution, p. 5.
- Appeal of Geologic Administration of Yakutia to all geologic organizations of the Ministry of Geology of the U. S. S. R., p. 7.
- Eiv'e, I. U. G., Rovnin, L. I. - Let us greet in a worthy manner the 50th anniversary of the Great October Revolution, p. 10.
- Remeev, O. A. - Search for new large oil fields in Surgut Arch, p. 11.
- Filalov, S. S. - Diagnosing oil-producing sediments of Mesozoic in Western Siberia, p. 17.
- Ivanitsova, V. V., Glebovskaya, E. A., Sverchikov, G. P. - Composition of bituminoids of clay rocks in West Siberian Plain, p. 21.
- Zalazeva, I. A., Shchemet, O. O. - Results of prospecting for oil and gas in Sakhalin, p. 29.
- Lokhtalov, G. I., Alae, G. T. - Method for dividing structural and isopachous maps into components, p. 32.
- Dement'eva, G. V. - Prospects of oil and gas occurrence in south-southeastern subbasin of Voronezh massif and northern margin of Donets Basin, p. 38.
- Zhigintin, B. I. - Age of underground waters and natural gases of Mesozoic sediments in Azov-Kuban oil- and gas-bearing basin, p. 42.
- Sinlavskiy, E. I., Busel, G. F. - Pools of biogenic with open gas are indicators of vertical migration of oil and underground water, p. 47.
- Alekseev, G. I., Tkachenko, I. S. - Methodology of determining effectiveness and rates of exploratory drilling for prospecting local structures as exemplified by Kuybyshev Province, p. 51.
- Kavdev, M. S. - Characteristics of leaching of rocks in deep horizons of sedimentary rock mass in Volga-Ural oil-bearing region, p. 54.
- Starobinets, A. E. - Some morphologic features of folded foundation in eastern Turkmenia based on data of regional seismic studies, p. 58.
- Vysotskiy, V. I. - First commercial oil find in Spain, p. 60.
- Mikhail Ivanovich Bal'zamov; obituary, p. 62.
- Vol. II, no. 6, May 1987.**
- Table of contents translated:
- Lisichkin, S. M. - Status of oil prospecting work in the Caspian Russia and in the years of Soviet Government (to be continued), p. 1.
- Maimin, Z. L., Peshitche, E. L. - Some indices of geologic prospecting for oil and gas in the U. S. S. R., p. 10.
- Landa, E. M. - Some characteristics of chemical composition of gas condensates in northern Daghestan, p. 12.
- Merkulov, A. V. - Geochemical characteristics of Upper Cretaceous petroleum and gases in the Chechen-Ingush A. S. S. R., p. 16.
- Botnaya, A. I., Shulova, N. S. - Effect of clayiness of reservoir rock on changes of petroleum properties, as exemplified by western Ciscaucasia, p. 20.
- Reznikov, A. N. - Geochemical transformation of petroleum and condensates in katagenesis zone, p. 24.
- Pankina, R. G., Maksimov, S. P. - Possibility of evolution of petroleum in sediments of saliferous bodies of water, p. 28.
- Malusevich, I. U. F., and others. - Structure of basement of western part of Ciscaucasian Platform based on electromagnetic data, p. 32.
- Kotlakhov, F. I., and others. - Determining oil and gas saturation ratio using geophysical methods, p. 36.
- Krems, A. I. A., Vasserman, B. I. A., Liliyenko, N. I. - Vuktyl gas condensate field in the Komi A. S. S. R., p. 39.
- Iarovskiy, L. A., Stavlanova, L. V., Shveits, V. M. - Efficient complex of hydrogeological studies during exploratory drilling for oil and gas, p. 44.
- Badlov, G. L. - Character of rise of water-oil contact, p. 47.
- Kulinko, M. K. - World petroleum production and evaluation of possible reserves, p. 49.
- Pomolov, V. F. - Productive reserves of oil and gas by some countries, p. 52.
- Pronicheva, M., Evenlov, I. A. - Conference on problems and methods of paleogeomorphology, p. 59.
- Sergei Mikhailovich Dornachev; obituary, p. 62.
- KRIVVOY ROG. GORNORUDNYI INSTITUT.** Sbornik nauchnykh trudov [INSTITUTE FOR MINING AND ORE DRESSING. Papers]. Moscow, no. 16, 1983.
- Improving methods of underground mining:
- Table of contents translated:
- Malakhov, G. M., Peirenko, P. D. - Ways of increasing the speed of ore drawing from caved blocks, p. 3.
- Nikulin, S. E., and others. - Results of the improvement of sloping technology at the "Gigant" Mine, p. 13.
- Guminskii, M. V. - Determining parameters of block boundary outflow in spontaneous sublevel caving, p. 20.
- Lavrinenko, V. F., Ivanov, I. U. A., Muntan, I. S. - Opening of the Yakovlev deposit in Kursk Magnetic Anomaly, p. 33.
- Lavrinenko, V. F., and others. - Improving sloping technology at the Kirov Mine, p. 47.
- Solomatin, N. A. - Influence of the size of compensation chambers and yield rate on drawing indices in mass caving systems under conditions of Dzerzhinskii Mine, p. 58.
- Chirkov, I. U. I. - Opening ore deposits with inclined conveyor shafts, and range of an efficient use of this method in conditions of Krivoy Rog Basin, p. 66.
- Chirkov, I. U. I., Solomatin, N. A. - Opening of ore deposits abroad, p. 76.
- Diadechkin, N. I., Solomatin, N. A. - Prospects of using mining systems with rock breaking in tight facies, p. 81.
- Ivanov, I. U. P., and others. - Effect of rock pressure on opening and developing thick deposits in Krivoy Rog Basin, p. 85.
- Kuchertavenko, I. A. - Laboratory investigations of sequences of sloping operations, p. 90.
- Chirkov, I. U. I. - Experience in sinking inclined shafts, p. 103.
- Fanistov, G. T. - Some constructive aspects in the system of mining with open worked-out spaces, p. 111.
- Lagovskiy, S. I. - Designing efficient ventilation systems in mines, p. 117.
- Lagovskiy, S. I. - Reducing air dustiness in mines, p. 122.
- Shturmenko, V. G. - Using rubberized air duct in combined ventilation of workings, p. 132.
- Slusarenko, V. G. - Determining minimal costs of ventilation in carrying out long blind workings, p. 137.
- Bezv, T. D. - Determining aerodynamic resistance of circular vertical mine shafts, p. 141.
- Bezv, T. D. - Method of determining overall air depression in designing ventilation systems of Krivoy Rog Basin mines, p. 150.
- Oshmanskiy, I. B., Avramchuk, R. N. - Investigating and ways of improving the ventilation of Ordzhonikidze Mine, p. 157.
- Fedorovskiy, A. A. - Combined method of connecting surveys, p. 165.
- Kudrashov, P. I. - Experience in mine surveying measurements and calculations in block caving, p. 173.
- Makeev, A. A., Zagorodnii, A. D., Chirkov, I. U. I. - Efficient method of fighting dust formation in horizons of secondary crushing, p. 185.
- Frolov, N. S. - Results of aerodynamic modeling of diagonal ventilation systems, p. 188.
- Frolov, N. S. - Calculating parameters of regulating equipment for diagonal connections in uniform air distribution, p. 191.
- Frolov, N. S. - Air distribution in ore haulage levels during the mining of thick ore deposits, p. 199.
- Diadechkin, N. I., Lavrinenko, V. F., Ivanov, I. U. A. - Use of short-delay blasting, p. 206.
- Zagorodnii, A. D., Makeev, A. A. - Analyzing methods of ore breaking at the Ordzhonikidze Mine, p. 216.

Baris, V.V., Petrova, E.V. - Composition of
fractyr minerals of the Tumanyan deposit. p.3.

Apr. 1967,
Table of contents

Ryzhikov, A. A., Iushkova, Z. I. - Coating copper alloys in shell molds made of metallic sand, p. 33
Shvrit'e, I. A., and others, - Using cast samples
p. 33.

Kurochkin, V. I., Kantenik, S. K. - Using vibration in the process of liquid metal die casting. p. 3.
Semenenko, A. A., Alekseev, I. U. P. - Studying the process and developing a technique for preparation of ethyl silicate suspensions without solvents. p. 4.

- Kovalev, I. M. - Wear resistant castings of antimony cast iron. p. 33.
- Rits, D. A. - Equipment for hardening standard figure-eight cores. p. 33.
- Ivanov, D. P., Vashukov, I. A., Krest'yanov, V. I. - Effect of lanthanum on the form of graphite in austenitic cast iron. p. 34.
- Tavazde, F. N., Barbakade, D. F. - Effect of the form of graphite on durability of ingot molds. p. 35.
- Dagls, P. V., Babitskiy, V. V. - Annealing chill castings of malleable cast iron. p. 36.
- Shifrin, G. E. - Pearlitic-ferritic malleable cast iron in agricultural machinery industry. p. 37.
- Budarin, I. T., Foklev, V. A. - Effect of Sb, Bi, and B on properties of malleable cast iron. p. 38.
- Barinov, N. A., and others. - Pearlitic malleable cast iron for insulator caps. p. 39.
- Pomnykh, I. P., and others. - Comparative effectiveness of boron-containing inoculants. p. 40.
- Ladokhin, S. V., Pantiushkin, P. P., Khan, B. Kh. - Obtaining large-size stone castings. p. 41.
- Iakovlev, M. T., Vasil'ev, A. A., Smirnov, V. N. - Casting pump rotors of the B1. ONF 9-2, 5-0, 2 in sand molds. p. 41.
- Guzenkov, A. I. - Analytic estimates of components of ethyl silicate binders. p. 42.
- Chugunnyi, E. G. - Mechanization and automation of trimming and cleaning operations. p. 43.
- Gol'dshein, V. M. - Metal level indicator in a cupola forehearth. p. 43.
- Shevtsov, S. M., Smirnov, A. I., Solnikov, A. A. - Improving the quality and reducing the cost of castings. p. 44.
- Pollakov, I. A. G. - Italian foundry practice. p. 46.
- Grigorii Matkovich Dubitskii, his 70th birthday. 3 of cover.
- MASHINY I NEFTIANOE OBOURODOVANIE [MACHINERY AND PETROLEUM EQUIPMENT]** Issued by Vsesoyuznyy nauchno-issledovatel'skii institut organizatsii, upravleniya i ekonomiki neftegazovoi promyshlennosti [All-Union Scientific Research Institute of the Organization, Management, and Economics of the Petroleum and Natural Gas Industry] Moscow, no. 4, 1967.
- Table of contents translated:
- Avakov, V. A., Arkhangelskii, V. L. - Efficient weight of moving parts of the tackle system of modern drilling rigs. p. 3.
- Galaburda, V. K. - Improving specific efficiency of lengthened drilling lines in operating them with by-passing. p. 8.
- Ailakhverdieva, V. A., Ismailov, A. A. - Wear resistance of threaded joints of tubing made of aluminum alloy. p. 10.
- Rostin, I. I. - Selecting length of stroke of free-type hydraulic pumping unit. p. 12.
- Guliev, B. B., Gurbanov, R. S. - Experimental study of fluid leakage through the clearance of the couple plunger -- cylinder of deep well pumps. p. 14.
- Sepliaraki, S. F. - Cooling system of gas engine powered compressors with natural circulation in an open cycle. p. 17.
- Shurman, L. I., Shkol'nikov, B. M., Shestornin, V. M. - Test results of an experimental specimen of synchronous electric drive for drilling rig draw works. p. 19.
- Ridiger, I. V. - Holding device for operating 4-inch deep well pump by tubing of smaller diameter. p. 24.
- Antonov, N. N., Kasper, G. A., Ghishkin, I. A. S. - Using multichannel pulse system of control for automating oil-field preliminary refining units. p. 26.
- Golitsyn, V. M., Chernyshev, V. S., Govorukhin, A. S. - Explosionproof electrical transducers of pressure, flow and interphase levels. p. 32.
- Malock, V. V. - Experience in operating "Ritsa" telemetering equipment and UDO-II level gauge in tank farms. p. 36.
- No. 5, 1967.
- Table of contents translated:
- Sitdykov, G. A., and others. - PNMU-UINII packer. p. 3.
- Gasanbala, M., Grigorlan, N. A., Kulibekov, A. A. - Testing three-roller bits with supports and reinforcements of new design. p. 5.
- Rybachok, I. N. - Effective geometric form of an electric dehydrator. p. 9.
- Griskin, E. N. - Studying the performance of end face seals of electric drills. p. 10.
- Shakhmatov, G. M., Tagiev, S. M., Radzhabov, S. A. - Determining the temperature of the friction surface of a mechanical brake in its joint operation with a hydraulic brake. p. 14.
- Zamkovets, V. F., Podolovchenko, G. I., Iankelovich, V. K. - Analytic calculation of parameters of spring-actuated motors with a spiral driving spring. p. 18.
- Lugal, V. G., Kharitonov, I. M. - Device for detecting underground pipelines. p. 22.
- Charyev, O. M. - Multirange deep well thermometer with a measuring range up to 300° C. p. 25.
- Ergol', A. S., Mileeva, V. M. - Modernizing the E 250 electric drill. p. 31.
- Nikulin, S. P. - Device for eliminating bottom fluid. p. 33.
- Nikulin, S. P. - Electric heater for petroleum. p. 34.
- Nikulin, S. P. - Device for heating petroleum in a well. p. 35.
- *METALLOVEDENIE I TERMICHESKAYA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]** Organ of Gosudarstvennyi komitet po mashinostroyeniyu pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obschestva mashinostroyeniya i promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 4, Apr. 1967.
- Table of contents translated:
- Gilman, E. E., Gidina, I. U. V., Piguzov, I. U. V. - Investigating the nature of reversible temper brittleness of steel by internal friction method. p. 2.
- Murli, V. V., Garbuzova, N. E., Gruzin, P. L. - Investigating the interaction between carbon and phosphorus in steel by autoradiography method. p. 10.
- Babushtina, G. I. - Effect of strain hardening on volumetric and structural changes in carbon steel. p. 13.
- Bogatyrov, I. U. M., Shepetakovskii, K. Z., Shkharov, I. N. - Effect of quenching speed on crack formation in steel hardening. p. 15.
- Lankin, P. A. - Compressed air as quenching medium in surface hardening. p. 23.
- Voronova, N. A., and others. - Effect of holding at hardening temperatures on mechanical properties of G13L steel. p. 25.
- Gullae, A. P., Guseinuliev, R. M. - Effect of alloying elements on properties of structural chromium-manganese steel. p. 27.
- Meshechinnova, O. N., Zikoev, V. N., Sokolov, O. G. - Influence of structure on tendency to brittle failure of 40KhNMA steel. p. 34.
- Khoroshev, I. N., Zhurakovskii, V. M. - Aging of cast, unannealed, and hot-forged carbon steel. p. 38.
- Avraamov, I. U. S., Motolilov, B. V., Samarina, N. M. - Dislocation processes during annealing of deformed single crystals of silicon iron. p. 39.
- Zemskov, G. V., and others. - Regularities in complex diffusion saturation of alloys. p. 41.
- Pavlova, L. P., Geller, I. U. A. - Effect of quenching on dispersion hardening of high-speed steel. p. 43.
- Sizova, R. M., Korol', V. K., Lukashev, N. D. - Structure of the transition zone of bimetallic Kh18Ni9Ti - AlMg alloy sheets. p. 45.
- Sviridenko, K. A. - Isothermal hardening with high-frequency current heating of high-strength cast iron. p. 47.
- Deletskii, M. S., Smirnova, T. N., Tkach, G. I. - Effect of electric pulse treatment on the structure of surface layers. p. 48.
- Farafonov, V. K., and others. - Influence of rare earth elements on properties of austenitic chromium-nickel steel. p. 50.
- Grigorlan, G. V., and others. - Residual microdistortions of 17GS low carbon steel. p. 53.
- Lepin, G. F., Topilunova, L. M. - Criteria for plastic properties of metals at high temperatures. p. 55.
- Lobedov, D. V., Falkina, A. M. - Mechanical properties of low carbon nickel steels at -253°C temperature. p. 56.
- Rytvin, E. I., Kuz'min, V. M., Petrova, A. E. - Short-duration resistance of platinum, palladium and their alloys at 1100-1400°C temperature. p. 58.
- Ginzburg, S. K., Nosov, I. U. G. - Characteristics of diffusion processes in commercial-grade iron during ultrasonic welding. p. 59.
- Minkovich, A. N., Sorokin, I. U. V. - Investigating steels nitrated in nitrogen-diluted ammonia. p. 61.
- Petisova, M. M., Krivenko, F. G. - Effect of ammonia additions in gas carburizing on structure and mechanical properties of bore bits. p. 63.
- Khudokormov, D. N., Khosen, R. I., Martynenko, Korolev, V. M. - Influence of cerium, neodymium, praseodymium, lanthanum and aluminum on the structure of cast iron. p. 65.
- Daranov, S. M., Karatashin, S. I. - Thermomechanical treatment of steel during isothermal transformation of supercooled austenite. p. 67.
- Kul'kova, M. N., Devchenko, A. D., Okenko, A. P. - Phase constitution and properties of two-phase OKh18Ni9Mn2T steel. p. 69.
- Gallai, I. A. S., and others. - Strain hardening and recrystallization of nickel alloys. p. 71.
- Vorob'ev, G. M., Slukhin, A. F., Popova, V. I. - Effect of speed of quenching on the structure and hardness of hardened steel. p. 73.
- Fushlein, I. A. N., Yeroshin, L. G. - Conference on heat treatment of metals, and on physical metallurgy. p. 77.
- METALLURGICHESKAYA I GORNORUDNAYA PROMYSHLENNOST' [METALLURGICAL, MINING, AND ORE-DRESSING INDUSTRIES]** Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S. S. R. for the Coordination of Research] Kiev, no. 2(44), Mar-Apr. 1967.
- Table of contents translated:
- Florov, K. N., Dobinskii, D. N. - Characteristics and advantages of smelting low-manganese converter pig, and roll cast iron at the Almaznaya Metallurgical Plant. p. 3.
- Enin, I. I., Talan, G. I. - Quality of sinter. p. 5.
- Novikov, I. S., and others. - Desulfuration of cast iron in the ladle in iron and steel plants of Ukraine. p. 7.
- Levin, S. L., and others. - Improving plastic properties of St. 45 carbon steel ingots for forging. p. 9.
- Parkhomenko, P. A., and others. - Properties and structure of carbon steel with ferrocolum additions. p. 11.
- Kiryanov, V. M., and others. - Ways of improving the quality of ingots for wheel steel. p. 14.
- Bonalskii, I. I., Siniagovskii, B. P. - Features of the technology of metal desulfuration in 650- and 900-ton capacity open-hearth furnaces. p. 17.
- Molotov, G. D., Beliaev, I. U. P., Seidukov, G. V. - Nonmetallic inclusions in large, rimmed steel, sheet billets. p. 21.
- Marakhovskii, I. S., Boievskaia, V. M., Tsyrlin, M. B. - Steelmaking for deep and very deep drawing in member countries of the Mutual Economic Assistance Council. p. 23.
- Chekmarov, A. P., Chekmarov, F. A. - Metal pressure on rolls during rolling. p. 24.
- D'laichenko, K. K., Krivososov, I. U. I., Pirlazov, D. D. I. - Certain problems in the technology of making thick and wide two-layer plates. p. 27.
- Bondaranko, P. S., Korkhin, A. S. - Algorithm for controlling the "casting section-to-blooming line" department. p. 29.
- Boisov, S. I., Kolomoisnii, V. K. - Determining expansion force in calibrating large-diameter pipe ends. p. 32.
- Semenov, O. A., and others. - Characteristics of the performance and design of KhPT 4/12 mills with counterweight balancing. p. 35.
- Iurchenko, N. P., and others. - Making bimetallic pipe skelps using explosive energy. p. 37.
- Maslov, A. M., Burdonov, V. M., Molokov, V. A. - Microalloying medium-carbon manganese-chromium steel. p. 39.
- Pilonov, I. G., Orglian, V. S., Karpenin, A. M. - Tendency toward aging in rail steel depending on methods of heat treatment. p. 41.
- Saronova, A. A., Molokov, L. F. - Investigating combined hardening of rail samples. p. 42.
- Talis, N. U., and others. - Investigating processes of heating different brands of steels on EI-12-type network models taking into consideration changes in thermophysical properties. p. 46.
- Kochov, V. S., and others. - Performance of 350-ton tilting open-hearth furnaces during steam supply into air checkerworks. p. 49.
- Simonov, N. F., Bragin, V. S. - Classification of coals in fluidized beds. p. 51.
- Vinarskii, M. S., and others. - Analytic calculation of coke losses due to breakage during transportation. p. 54.
- Nikolchenko, N. A., and others. - Making ingot molds of magnesium-inoculated cupola cast iron without heat treatment. p. 57.
- Nikolaenko, E. G., and others. - Manufacture and strength of ingot molds of blast furnace-smelted, magnesium-treated, conversion cast iron. p. 59.
- Beiman, Sh. M., and others. - Testing forsterite refractories in the brickwork of open-hearth furnaces walls. p. 61.
- Starov, V. R., Ludovinskii, A. I. - Manufacture of high-strength magnesite-chromite refractories for roofs of open-hearth furnaces in Austria and the U. S. S. R. p. 63.
- Beda, N. I., and others. - Oxygen-blown converter steel for electrodes. p. 64.
- Grebentk, V. M., and others. - Rotary-belt equipment for patching open-hearth furnaces. p. 67.
- Novozhilov, M. G., Eskin, V. S., Sereda, G. L. - Working the Pokrovskoye deposits of carbonate manganese ores by hydraulic mining. p. 69.
- Gramatunov, A. R. - Determination of the volume of operations in planning waste rock disposal, depending on type of biological reclamation. p. 71.
- Lubenets, V. A., and others. - Advantages of using inclined bottoms in sublevel caving. p. 74.
- Aptekar', S. S., Korzhenko, V. V., Ganopol'skii, V. M. - Using methods of comparative analysis for revealing potentialities of labor productivity in metallurgical plants. p. 77.
- Bel'golskii, B. P., Staroselskii, A. L., Ponomarenko, V. A. - Determining efficient variants of alternating metal rolling for various purposes in rail and structured steel mills of the Petrovskii Plant. p. 80.

No 51, 1980. Stratigraphy, lithology, facies, and fauna of Upper Proterozoic and Paleozoic in Volga-Ural oil- and gas-bearing region.

Table of contents translated

- Ivanova, Z. P. - Correlation of Pre-Devonian sediments of eastern and central regions of Russian Platform. p. 6.
- Kleytsova, A. A. - Stratigraphic position of Upper Bavy sediments in Volga-Ural region. p. 14.
- Shepelova, E. D. - New data on age of Upper Bavy series in northeastern margin of Russian Platform. p. 20.
- Linsenko, A. I., Lishchenko, G. P. - Stratigraphy of Eifelian sediments in Volga-Ural region. p. 23.
- Arkhangelskaya, A. D. - Correlation of lower horizons of Middle Devonian sediments in central and eastern regions of Russian Platform. p. 46.
- Andreev, S. P., Malinina, Z. A. - Stratigraphy, lithology, and facies of Devonian sediments in platform portion of Orenburg Province. p. 50.
- Ivanov, E. E., Shevtsov, S. I. - Some new data on stratigraphy and lithology of Devonian sediments of Tatar A.S.S.R. p. 62.
- Dalanova, G. P. - Geologic history of Tatar A.S.S.R. in Lower Frasnian time. p. 73.
- Filippova, M. F., and others - Devonian sediments in Udmurt A.S.S.R. in connection with their oil potential. p. 79.
- Gorbunova, L. I. - Marker beds of chlorite-kaolinite rocks in section of terrigenous Devonian of Perm Province. p. 110.
- Shevtsov, S. I., Malinchenko, G. I. - Boundary line between Devonian and Carboniferous in Tatar A.S.S.R. p. 120.
- Thurin, V. I., Shamonov, L. V. - Experience in using gamma-ray luminescent method for correlating carbonate sediments of Upper Devonian and Turonian stage of Carboniferous in Perm Province. p. 128.
- Gubareva, V. S. - Stratigraphy of lower part of Lower Carboniferous in Kama-Khmel' Troughs. p. 137.
- Iarikov, G. M., Melnikova, A. S. - Malinovka superhorizon in sections of Carboniferous in Volgograd-Saratov portion of Volga Valley. p. 160.
- Ostrovskii, M. I., Sanyukhin, E. V. - Some geologic characteristics of terrigenous formation of Lower Carboniferous in Udmurt A.S.S.R. p. 168.
- Ianusov, M. A., Chernomorskiy, V. N. - Stratigraphy and facies characteristics of Turonian horizon in western Bashkiriya. p. 173.
- Nikulina, A. V. - Structure of carbonaceous stratum of Visé stage in platform part of Perm Province portion of Kama Valley. p. 181.
- Dement'eva, G. V., and others - Sediments of Middle and Upper Carboniferous in section of Tormosin key well. p. 107.
- Ostrovskii, M. I. - Bashkir carbonaceous sediments in western regions of Upper Kama Depression. p. 203.
- Ankevich, V. P. - Connection of lithologic characteristics of Vereya horizon with geostucture of southern part of Volga-Ural region. p. 207.
- Kuznetsov, I. I. - Stratigraphy of Middle Carboniferous sediments in Tatar A.S.S.R. p. 217.
- Prokof'ev, V. A. - Upper Carboniferous Productidae of Samara Bend. p. 220.
- Tikhvinskiy, I. N. - Pre-Tatar Permian formations of western Kama Valley, southwestern Tatar A.S.S.R., and northern Ulyanovsk Province. p. 235.
- Zolotova, V. P., and others - Faunistic characteristics of Kungurian stage in Perm Province portion of Kama Valley. p. 247.
- Belousova, Z. D., Makarova, T. V. - Zone of mixed fauna of Ostroecoda in Tatar stage of Russian Platform. p. 254.

НЕФТЕПЕРЕРАБОТКА И НЕФТЕХИМИЯ [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Tsentral'nyi nauchno-issledovatel'skiy institut tekhniko-ekonomicheskikh issledovaniy po neflanol, neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute for Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no 1, 1987.

Table of contents translated:

- Gonsales, A. - Science and technical progress in petroleum refining and petrochemical industries. p. 1.
- Smirnov, N. P., and others - Hydroforming operation with addition of hydrogen. p. 5.
- Shekhter, I. U. N., and others - Plant unit for nitration of oils. p. 7.
- Zavidov, V. I., Shapchenko, N. I., Kukhinskiy, A. I. A. - Aromatic hydrocarbons of gas oils produced by delayed coking. p. 9.
- Mosetkov, S. F., Tolstov, V. S., Koten, V. G. - Grading of petroleum constituents potential for increasing yields and improving quality of petroleum products. p. 11.
- Nazanova, V. I., Vigdergaus, M. S. - Analysis of waste water by gas chromatography. p. 15.
- Smirnova, A. V. - Obtaining road asphalt of improved quality from Uklita petroleum. p. 17.

Kalechits, I. V., Bogdanova, T. A. - Thorough conversions of bicyclic hydrocarbons during hydrogenation. p. 22.

- Ailey, D. A., and others - Obtaining terphenyl from benzene. p. 26.
- Zhavoronkov, M. N., and others - Experience in using NaA zeolites as drying agents for C₆ fractions in Groznyy Chemical Combine. p. 28.
- Karamyshev, M. S., and others - Expanding sources of stock for producing carbon black. p. 30.
- Zhorov, I. U. M., and others - Developing mathematical description of thermal contact cracking in a fluidized bed for process optimization. p. 32.
- Rybakov, K. V., Zhudiyin, E. N. - Continuous determination of water emulsion content in white petroleum products. p. 35.
- Orechkin, D. B. - Some problems of building and using experimental stations in petrochemical enterprises. p. 38.
- Valnshtok, V. V. - Seminar "Preservation of devices, mechanisms, and equipment during long storage in various climatic conditions." p. 42.

No. 2, 1987.

Table of contents translated:

- Sulikhov, I. S., and others - Flow rate of hydrogen in hydrofining sour diesel fuels. p. 1.
- Olefir, N. A., Levinter, M. E., Mamaeva, K. N. - Two-stage use of catalyst in catalytic cracking plants. p. 5.
- Ivankina, E. B., and others - Plant tests in refining residual stock by phenol with addition of ethyl alcohol. p. 7.
- Enkeev, L. S. - Studying possibility of intensifying phenol extraction process of low-viscosity sour distillate of transformer oil. p. 11.
- Khakimov, F. G., Kalantar, N. G., Galeev, I. L. - Adsorption refining of oil fractions of Tiumazy petroleum. p. 17.
- Kuliev, A. M., and others - Synthesis and study of sulfur-containing diphenyls as additives to greases. p. 21.
- Milofanov, M. G., Zmevskii, P. K. - Problem of increasing resources of electrode coke by coking coke dust. p. 23.
- Konoplov, A. P., Stom, L. D. - Production of elementary sulfur from hydrogen sulfide in petroleum refinery gases. p. 25.
- Zlotnikov, L. G., Zakharov, V. I., Makkaveev, M. V. - Some problems connected with developing equipment, technology, and labor productivity in petroleum refining. p. 29.
- Plushch, V. G., and others - Separation of naphthalene from pyrolysis resins of petroleum hydrocarbons. p. 32.
- Talman, L. V., Kravtsova, E. A., Belousova, L. A. - Removing impurities from ethylene using ammonia. p. 36.
- Dumistova, T. P., Nesmelov, V. V., Terploviskiy, N. N. - Effect of quality of stock on oxidation of para-xylene in foaming state. p. 38.
- Anisimov, A. A., and others - Pyrolysis of liquid hydrocarbons to ethylene and acetylene using gaseous heat carrier under pressure. p. 40.
- Eppel, S. A., Pozd, D. F. - Generalization of experience in carrying out processes of drying and calcination in industrial production of catalysts. p. 43.

No. 3, 1987.

Table of contents translated:

- Akhmetov, V. I. - Hydrofining of narrow gasoline fractions on aluminum-nickel-molybdenum catalysts. p. 1.
- Milofanov, M. G., Karabog, E. V., Berezhuk, F. A. - Carbamide dewaxing in dichloroethane of diesel oil fractions in the mixture of Zhirnovsk and Korobkov petroleum. p. 3.
- Enkeev, L. S., and others - Experience in the production of road bitumens in industrial plants the new All-Union State Standard. p. 5.
- Kulov, R. Sh., Samedova, F. I., Ashurov, A. A. - Two-step desulfurizing of concentrate of Peschany Island petroleum. p. 8.
- Isagullants, V. I., and others - Industrial production of antioxidant additive based on para-cis-eol. p. 11.
- Blagovidov, I. F., and others - Operational properties and use of alkyl salted additives; low-ash and high-ash additives. p. 14.
- Gorislavels, S. P., Malorov, V. I., Stadnik, V. F. - Effect of mixing of gas flows on the process of homogeneous pyrolysis. p. 20.
- Bocharov, I. U. N., and others - Treatment by hydrogenation of products acid decomposition of cumene hydroperoxide. p. 23.
- Gordish, I. U. T. - Alkylation reactions of phenol by fractions of olefins in boiling range of 240 - 320° in the presence of benzenesulfonic acid. p. 26.
- Lebedev, E. V., and others - Preparing stock for the production of active furnace black. p. 28.
- Frenkel', B. A., Kiselev, T. N. - Automatic control and regulation of small flows of petroleum products. p. 31.
- Klartsonova, I. G., Sklovskaya, N. G. - Biochemical and chemical oxidizability of some compounds. p. 34.
- Piskunov, V. A., Zaitov, V. N. - Energy characteristics of metal-containing jet fuels. p. 35.

No. 4, 1987.

Table of contents translated:

- Pestikov, S. V., and others - Kinetics of hydrofining of extracts of straight-run kerosene-gas oil fraction of Arlan petroleum. p. 1.
- Kaisobashvili, I. A. R., and others - Removing vanadium and sodium compounds from sour crudes in hydrocracking at low pressure (30 atmospheres). p. 3.
- Mitrofanov, M. G., Zmevskii, P. K., Antsen, V. M. - Desulfurized residue of Mangyshlak petroleum as stock for catalytic cracking. p. 6.
- Entkeeva, L. S., and others - Experience in preparing low-viscosity low pour-point MS-6 oil from sour crudes. p. 8.
- Otkov, P. L. - Two-stage dewaxing of oil raffinate of boiling range narrow. p. 15.
- Shevtsov, A. M. - Investigating relation between flash point differences, fractional composition, and operating properties of oils. p. 17.
- Mirskit, I. A. V., Dorogochinskiy, A. Z., Maged, N. F. - Separating normal paraffins from gasoline fractions using molecular sieves. p. 22.
- Saikov, I. S., and others - Corrosion behavior of gasoline obtained in hydrotreating of diesel fuels. p. 26.
- Bol'shakov, G. F., and others - Studying effectiveness of alkalization of component of TS-1 fuel. p. 28.
- Plovatov, A. T., Sumanov, V. T. - Effect of temperature differences of catalyst and stock on cracking process. p. 31.
- Zhomov, A. K., and others - Trichloromethyl silane as activator of dehydrocyclization reaction of paraffin hydrocarbons. p. 33.
- Voevodskaya, L. E. - Nomograms for determining volume and density of mixtures of gas products, in reactor sets of catalytic reforming units. p. 37.
- Leonov, B. I., Litbenzon, A. A. - Determining maximum height of sootless flame of petroleum products using State All-Union Standard 4338 - 48. p. 39.
- Production of petrochemicals in Japan. p. 41.

НЕФТЕПРОМЫСЛОВОЕ ДЕЛО [PETROLEUM PRODUCTION]. Issued by Tsentral'nyi nauchno-issledovatel'skiy institut tekhniko-ekonomicheskikh issledovaniy po neflanol, neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute for Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 3, 1987.

Table of contents translated:

- Baturov, I. U. E. - Determining areal distribution of physicochemical parameters by numerical methods. p. 3.
- Abdullin, F. S., and others - Hydraulic fracturing at high pressures and temperature. p. 7.
- Karlagin, V. F. - Production of paraffin-base oil in Velichayevka field. p. 11.
- Blazhevich, V. A., Umrikhina, E. N., Makhmutov, N. R. - Selective sealing of drowned layers by synthetic resins. p. 12.
- Kuznetsov, V. I., Bol'shanskii, V. F. - Methods of thermal treatment of well bottom zones in Oil Field Administration of "Khadyzhennel". p. 16.
- Goltsev, V. M., and others - Results of statistical analysis of parameters of preliminary petroleum refining process. p. 19.
- Sabirov, Kh. Sh. - Perfecting methodology for studying properties of formalin petroleum, and improving design of nonmercury UIPN-2m unit. p. 23.
- Bragin, V. A., Bedrosian, E. N., Garushev, A. R. - Determining economic effectiveness of steam heat treatment of formation. p. 27.

No. 7

23 - Creating cavity for gravel shewing of
24 - Flow pattern of gas outlets in disposal

32, no 4, 1967
Table of contents translated.
Fourth Plenum of the Scientific Technological Society
for Ferrous Metallurgy p 1,
Ishko, I. T. - First Urais
the five-year plan p 3
Dinas Brick Plant during

Novos, V. G., Zhernevskii, M. V., Bogdanova, R. A., Slope ventilation in coal mining with wire-rope sawing machines and long borehole method, p. 14. - *Izvestiye, S. V., and others. - Determining effective parameters of coal mining systems using wire-rope sawing machines*, p. 20. - *Orskov, V. A., and others. - Methods of determining optimum parameters of coal sawing machines*, p. 43.

- Grankin, A. I., Fominykh, V. I. - Determining causes and methods of preventing roof rock sliding to the side of working faces. p. 53.
- Demb, S. P., Ushakov, V. V. - Blastability of limestone in quarries of Perm Province. p. 63.
- Milov, N. P. - Preliminary calculation of the number of timber placements for maintaining main horizontal development workings. p. 77.
- Tskherman, I. S., Voshchinskii, I. I. - Investigating manifestations of rock pressure in main inclined workings of Kizel Basin coal mines. p. 83.
- Tskherman, I. S. - Selecting most advantageous types of supports and methods of protecting inclined workings. p. 97.
- Tskherman, I. S., Shukov, M. A., Moskvina, V. A. - Costs of maintaining inclined workings. p. 107.
- Rogozhin, G. V. - Properly sectional reinforced-concrete supports. p. 117.
- Shirshov, V. Z., Suslov, V. F., Dushavin, V. P. - Mechanization of sloping in Kizel Basin. p. 127.
- Gorshkov, V. A., Zhernevskii, M. V. - Experimental automatic two-drum winches for manless coal mining with wire-rope sawing machines. p. 141.
- Pavlovich, G. A., Ladin, G. F. - Using GEN-150 elastomers for protecting mine drainage equipment in Kizel Basin. p. 145.
- Ochinnikov, G. M. - Cathodic protection of internal pipeline surfaces against corrosion. p. 147.
- Pukhov, G. A., Stolarov, L. I. - Using RPP-in radionuclide relays for controlling jig bed density in conditions of difficult-to-prepare coals. p. 153.
- Prokhorov, G. A., Bakhrakh, S. G. - Using thyatron relays with cold cathodes in radioisotope instruments. p. 163.
- Kucherskii, L. V., and others. - Mining bump-prone coalbeds using deep water injections into the seam. p. 173.
- Kulevskiy, P. A., and others. - Determining optimum parameters for pneumatic methods of defining protective clothing, and improving the design of the equipment. p. 191.
- Zelenkin, V. A., and others. - Experience in working out measures for complex dusting of the Krivoy Rog Coal Mine of the "Egorshtingol" Trust. p. 201.
- Oslipov, I. U. A., Kuznetsov, I. U. V. - Possibility of wetting Kizel Basin coals with steam. p. 211.
- Kuznetsov, I. U. V., Oslipov, I. U. A. - Modeling wetting processes of coal massifs in laboratory conditions. p. 215.
- Zenkov, I. F. - Organization of work and wages of workers in slopes. p. 225.
- Oslipov, N. I. - Norms on metal consumption for repair and operational needs. p. 231.
- Devtsev, V. Z., Tregubov, A. N., Svetlichnyi, D. M. - Determining indices of potassium salt solubility as investigated in mines. p. 239.
- Svetlichnyi, D. M., and others. - Investigating rocks of Upper Kama deposits in relation to their uniaxial compression, contact strength, and abrasiveness. p. 245.
- Tregubov, A. N. - Studying discharge regularities of sylvanite from hoppers. p. 255.
- Vodop'yanov, V. L., Urazova, A. M. - Some results of investigation, deformability of canallite in terms of time. p. 263.
- Barkovskii, V. M., Vodop'yanov, V. L., Gabdakhimov, I. Kh. - Investigating mechanical properties of canallite in rock massif with the aid of DS-1 hydraulic jacks. p. 273.
- Vodop'yanov, V. L., Barkovskii, V. M., Anisimov, V. G. - Strengthening effect of filling upon inter-chamber pillars. p. 281.
- Vodop'yanov, V. L., Barkovskii, V. M. - Checking of pillar strength on models of various materials. p. 295.
- Lapin, G. L., and others. - Parameters of chambers and boring and blasting operations in conditions of the canallite deposit at the Solikamsk Potash Mine. p. 299.
- Vodop'yanov, V. L. - Calculating pillars in potash mines with chamber filling. p. 309.
- *POROSHKOVAIA METALLURGIYA [POWDER METALLURGY] Organ of Institut metallologii i spetsial'nykh sployov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S S R]. Kiev, vol. 7, no. 5(57), May 1967. Table of contents translated.
- Grechuk, R. L. - Determining the specific surface of powders by the rarefied gas filtration method. p. 2.
- Skorokhod, V. V., Kutenko, A. F. - Defects of packing in nickel powders. p. 7.
- Palatnik, L. S., and others. - Studying the phase constitution of disperse powders condensed in an inert gas atmosphere. p. 10.
- Silaev, A. F. - Mechanism of the disintegration of a stream of molten metal by a gas flow. p. 14.
- Granovskii, I. V., and others. - Experience in obtaining ferrite powders by the method of simultaneous setting. p. 19.
- Ioffe, R. S. - Stress analysis during powder rolling. p. 23.
- Geguzin, I. A. E. - Mutual sintering of particles of non-spherical shape. p. 31.
- Radomyskiy, I. D., Shcherban', N. I. - Sintering of glass-metal materials. p. 36.
- Kellogh, I. U. P., and others. - Effect of conditions of electric spark alloying on hardness and wear resistance of metal surfaces. p. 40.
- Zinchenko, V. I., Giosheva, V. M. - Increasing the resistance of piston rings by plasma metal spraying. p. 10.
- Zinchenko, V. I., Giosheva, V. M. - Preparing porous products of high-melting oxides and studying their gas permeability. p. 53.
- Orlov, I. I., and others. - Studying wear resistance of ceramic metal knuckle ball bushings of automobile steering rods. p. 59.
- Ralchenko, A. I., Grinchuk, L. I. - Connection between the portion of a metal surface with brightness coefficients of powders. p. 66.
- Fanishevich, I. N., Teodorovich, O. K., Bazhenova, L. G. - Tungsten interdiffusion in tungsten-nickel-iron alloys. Report No. 1. p. 68.
- Portnoi, K. I., and others. - Constitutional diagram of the system tungsten-boron. p. 75.
- Voroshilov, I. U. V., and others. - Ternary systems Ti-Zr-C and Ti-III-C. p. 81.
- Gladyshevskii, I. I., and others. - System W-V-Si. p. 85.
- Perminov, V. P. - Structural characteristics and crystal chemistry of binary magnetics. p. 89.
- Aitamonov, A. I. A., Mal, M. M., Komenko, V. I. - Studying machinability of bronze-graphite. p. 98.
- Aitamonov, A. I. A., Barsegian, Sh. E. - Equipment and method of studying antifriction properties of solid lubricants. p. 102.
- Petelin, V. M. - Change in compactness and coefficients of transverse deformation of hard alloys. p. 108.
- RAZVEDKA I OKHRANA NEDR [PROSPECTING AND CONSERVATION OF MINERAL RESOURCES]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and TsK Profsoyuzov rabochikh geologov-razvedchikov rubro [State Geological Committee of the U. S. S. R. and the Central Committee of the Trade Union of Workers Employed in Geological Prospecting]. Moscow, vol. 33, no. 5, May 1967. Table of contents translated.
- Ponomarev, K. D. - Development of mineral resources in Kirghizia during the Soviet regime. p. 1.
- Lugov, S. F. - Tin potential of the placers of the U. S. S. R. and prospects for development of mineral resources. p. 3.
- Andrushevskii, V. L., Rubtsov, N. F., Savin, S. V. - Kirgiz-Dnie deposit in Gornyy Laghestan. p. 10.
- Krylov, G. V. - Interrelationship between prospecting and geological surveying. p. 14.
- Akopova, K. S., Kashibaeva, M. F. - Using ultrasonics for the isolation of finely dispersed minerals. p. 17.
- Lubinski, L. A., Polezhaev, P. V. - Using network methods of planning for the organization of prospecting. p. 21.
- Bubnov, E. S., Polianov, A. A. - Efficient method for drilling boreholes in deep prospecting. p. 26.
- Prokofiev, V. A., Karolinski, V. A., Lebedev, V. N. - Forced drilling of crystalline boreholes. p. 33.
- Ponomarev, V. N., and others. - Methodology of combine prospecting for deep magnetite deposits in the Urals. p. 38.
- Ostrovskii, E. I. A. - Selection of an interval of measurements and smoothing observation curves in aerogammametric studies. p. 45.
- Fomiy, V. M., Pankov, P. A. - Economic efficiency of vertical drainage. p. 48.
- Vinogradov, A. M., Bol'shov, V. A. - Methodology of prospecting for rare metal mineralization of the stockwork type in the boundary of the Eastern Ural Highland. p. 52.
- Fomiy, A. I. - Airlift for hydrogeological withdrawal. p. 54.
- Information on socialist competition in honor of the 50th anniversary of the Soviet regime. p. 57.
- Polosh, G. S. - A brigade of communist labor. p. 67.
- Reznichenko, M. V. - With Rumanian friends. p. 68.
- Consultation on the problems of the use of hours of work. p. 69.
- Results of thematic competition for a better suggestion on increasing the outcrop in core drilling under complex geological conditions. p. 61.
- Shumachenko, I. V. - In memory of N. M. Fedorovskii. p. 62.
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchilnykh zavedeni, gornyy zhurnal [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Mining Journal]. Moscow, vol. 9, no. 1, 1966. Table of contents translated.
- Mladkov, V. F., Batalov, V. L. - Distribution system and methods of selecting samples during mine prospecting for chromite ores of Sarany deposit. p. 3.
- Magnanov, A. Sh. - Comparing the thickness of coal seams according to exploratory and mining operations in Chelyabinsk Basin. p. 10.
- Beikov, I. I., and others. - Investigating certain regularities of compacting upland peats having a low degree of decomposition. p. 14.
- Kmitovskiy, A. T., Kolov, G. K., Moltsov, G. P. - Selecting efficient parameters of boring and blasting operations for open-pit coal mines. p. 21.
- Novozhilov, M. G., Tartakovskii, B. N., Manolov, A. A. - Basic scientific and technical problems in open-pit mining of mineral deposits by inclined layers. p. 28.
- Lipkovich, S. M. - Classification of systems of mining coal seam deposits. p. 34.
- Polovov, B. D. - Methods of determining number and depth of boreholes for preliminary grouting of fissured rocks from working faces of vertical shafts. p. 38.
- Shestakov, V. A., and others. - Testing reinforced-concrete rods. p. 45.
- Korzh, G. V. - Determining estimated stresses on the lining of extraction drifts, maintained in worked-out areas. p. 49.
- Zhukov, N. G. - Solving the problem of adjoining to plumb lines by the method of connection triangles. p. 55.
- Buts, I. V. - Analyzing continuous operative graphs relative to the organization of workings in longwalls. p. 57.
- Besodin, V. F., Iudin, V. S. - Cost of coal preparation at coal preparation plants. p. 61.
- Voronei, E. N. - Capital investments in Krivoy Rog Basin mines and their yield. p. 66.
- Ryzhenko, I. A., Drozd, M. I. - Nonuniformity of gas emanation in worked-out areas in coal mines. p. 71.
- Medvedev, I. I., Krasnoshtetn, A. E. - Ventilation of blind rooms by combined vortex currents. p. 74.
- Balkarov, O. A., Ibraev, Sh. I., Vinokurov, L. V. - Investigating the effect of distance and weight of charges on indices of seismic vibrations during blasting. p. 80.
- Fillimonov, M. M., Mavritov, M. R. - Influence of various factors on the efficiency of rock breaking by dynamic penetration of roller bits. p. 84.
- Gajimullin, A. G., Panchenko, D. T., Kapitskii, A. V. - Investigating the breakage radius of fissured rock massifs caused by borehole charge blasting. p. 88.
- Mitynenko, V. K. - Results of investigations of coal cutting processes. p. 93.
- Timoshpal'skiy, E. I. A. - Effect of the conditions of simultaneously operating hoisting and thrust mechanisms in open-pit mine excavators on stresses in elements of the latter during digging operations. p. 97.
- Ianson, I. A., Kichigin, A. F. - Efficiency of percussion drills. p. 106.
- Kazantsev, A. K. - Untwisting locked-coil wire ropes in bracing cone sleeves. p. 109.
- Fuks, I. U. P. - Dynamics of one-mass vibrating conveyors with a hydraulic shock absorber in the drive taking into consideration the dissipation of energy. p. 113.
- Kirik, P. I. A. - Dynamic phenomena in removing shaft cages with mobile baskets from their cushion foundations. p. 118.
- Tilov, B. M., Timofeev, V. A. - Adjustable asynchronous short-circuited electric motors. p. 124.
- Naumovich, V. M., Korolev, A. S., Sokolov, N. N. - Analytic method of calculating compaction processes for powderlike materials. p. 126.
- Petunov, V. D. - Improving the quality of charging equipment with semiconductor diodes for coal industry. p. 131.
- Zenkin, N. I., and others. - Experimental recording of static and dynamic characteristics of asynchronous motors. p. 137.
- Braun, V. I., Kozlov, V. A., Protasov, V. S. - Determining dynamic characteristics of crushing units along a control channel. p. 144.
- Kolmogorova, V. I., Chesnokov, B. V. - Investigating the concentrability of Southern Ural glaucofanite rocks with a view to preparing glaucofanite concentrate as acid-resisting raw material. p. 149.
- Vol. 10, no. 3, 1967. Table of contents translated.
- Daydov, I. U. B. - Solving the direct problem of beta-logging of dry holes. p. 3.
- Rodionov, S. I. - Investigating rocks of the "Chorkasov Kamen'" mine section (Kuznetsk Basin) in order to use them for filling. p. 12.

- Kadarmetov, Kh. N. - Selecting chromium ores for smelting carbon and converter ferrochromium p. 149.
- Rusakov, L. N., Kadarmetov, Kh. N., Koliartsev, V. L. - Phase transformations of quartzite and coke in the bath of single-stage ferrosilicochromium. p. 159.
- Rusakova, A. G., Rusakov, L. N., Maksimov, I. U. S. - Phase constitution of slags from smelting refined ferrochromium. p. 169.
- Khrushchev, M. S., Ryss, M. A. - Reduction of various quartzites for the production of 75% ferrosilicon. p. 177.
- Gol'dshein, I. A. E. - Properties and characteristics of phase transformations in high-manganese steel. p. 189.
- Ponomarenko, A. G. - Structure of metallurgical slags and dependence of their properties on the oxidation-reduction potential of the medium. p. 200.
- Kochkov, V. E., Morozov, A. N., Gershman, R. B. - Removal of nitrogen and carbon during high-temperature vacuum annealing of cold-rolled electrical steel. p. 210.
- Kochkov, V. E., Gol'dshein, V. I. A. - Thermal etching of transformer steel. p. 215.
- Kazantsev, B. N. - Studying conditions of the formation of internal cracks in large forgings during the upsetting of blanks of EI-437 alloy. p. 220.
- Kashirin, N. A., Popov, N. P., Sergeev, P. I. - Distribution of residual macrostresses along the length of electrically welded, 720 mm. gas pipes. p. 229.
- Kabanova, L. M., Dobosh, V. G. - Recovering molybdenum-containing tailings. p. 236.
- Grekov, S. D. - Practical coefficients of crystallization of bivalent impurities Mn^{2+} , Fe^{2+} , Co^{2+} , precipitated together with zinc sulfate in a strongly acid medium. p. 243.
- Sedova, N. A., and others. - Preparing zinc oxide from drosses of a zinc plant. p. 248.
- Volkovich, A. V. - Pilot plant testing of single-stage preparation of rich cadmium sponge. p. 254.
- Salin, A. A. - Calculating current efficiency in the electrolytic production of zinc. p. 257.
- Rannev, G. G., Salin, A. A., Ponomarev, V. D. - Interconnection between the electrochemical indices of quality and the current efficiency. p. 262.
- Lomina, K. P., Maglison, L. A. - Norms for the consumption of metal charge mixtures and ferroalloys in the production of open-hearth steel in metallurgical plants of the South Ural Regional Economic Council. p. 267.
- TORFIANIA PROMYSHLENNOST' [PEAT INDUSTRY].** Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po nauke i tekhnike [State Committee of the Council of Ministers of the U.S.S.R. for Science and Technology] and others. Moscow, vol. 44, no. 3, 1987.
- Table of contents translated:
- Address by the meeting of active members to workers, engineers, technicians, and employees of enterprises and organizations of the Ministry of Fuel Industry of R. S. F. S. R. p. 1.
- Socialist obligations of workers, engineers, technicians, and employees of enterprises and organizations of the Ministry of Fuel Industry of R. S. F. S. R. in the 1987 anniversary year. p. 4.
- Karakin, F. F., and others. - Let us be ready to greet the 50th anniversary of the Great October. p. 5.
- Gotsakaltan, L. O., Ponomarev, V. M. - Flow of millet peat in branch pipes of pneumatic-conveying systems. p. 9.
- Romizov, A. F. - Power consumption in cutting peat with edges and pin cutters during peat-bog mining. p. 12.
- Kogan, B. D. - Effect of nonuniformity in degree of mechanical processing on quality of small-piece peat. p. 14.
- Timofeev, V. A., and others. - Ram press heads with counter pressure regulators. p. 17.
- Medinskaya, L. V. - More attention to maintenance and repair. p. 19.
- Vvodenskii, I. U. D. - Effect of isotating milled peat by moist chips on the process of its spontaneous combustion. p. 22.
- Solopov, S. G. - Turning over the pages of a half century history of peat industry; 1917-1987 (to be continued). p. 26.
- Sukhanov, M. A. - Heat-insulating plates as heaters of reinforced-concrete panels. p. 29.
- Dalova, V. S. - Rewards at the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 30.
- Simkunas, R. - Cadaster of peat-bogs in the Lithuanian S. S. R. p. 31.
- Matveev, A. M., and others. - Vladimir Nikolaevich Sukachev; obituary. p. 32.
- *TSVETNYE METALLY [NONFERROUS METALS].** Organ of Ministerstvo tsvetnoi metallurgii SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva tsvetnoi metallurgii [Ministry of Nonferrous Metallurgy of the U.S.S.R. and the Central Administration of the Scientific Technological Society of Nonferrous Metallurgy]. Moscow, vol. 40, no. 4, Apr. 1987.
- Table of contents translated:
- Molchanov, A. A. - Copper Industry of the U.S.S.R. p. 1.
- Linchevskii, G. A. - Tin industry of the U.S.S.R. during 50 years. p. 12.
- Trenovskii, G. F., and others. - Magnetic treatment of pulp prior to flotation. p. 15.
- Dudenko, S. V. - Effect of xanthic acid precipitates and metal oleates on frothing. p. 18.
- Karmazin, V. I., and others. - Separation in a combined magnetic field. p. 21.
- Cherniak, A. S., and others. - Gold and silver extraction from cyanide solutions by technical amine mixtures. p. 23.
- Zhavoronkova, A. I. A., and others. - Quantitative determination of oleic acid in flotation products. p. 26.
- Plaksin, I. N., and others. - Determining tungsten content by K-absorption discontinity of X rays. p. 27.
- Rannev, G. G., and others. - System of automatic control of copper in the purification process of zinc solutions from copper and cadmium. p. 30.
- Ful'man, N. I., Galikova, K. R., Iakobi, N. I. A. - Electrodeposition of zinc powders from zincate solutions. p. 33.
- Salin, A. A., and others. - Effect of chlorine ions on electric reduction of zinc during the electric refining of nickel. p. 38.
- Gel'perin, N. I., and others. - Recovering lead and zinc from aqueous cobalt solutions with the help of ionites. p. 41.
- Durov, I. A., Baamanov, P. I. - Using filters with the P.P. filtering material for hyperfine purification of gases (air). p. 44.
- Dmitriev, A. A., Korobov, M. A., Sharunov, A. I. A. - Studying the dependence of anode quality on the quantity and diameter of pins in aluminum electrolytic cells. p. 47.
- Nerubashchenko, V. V., Antipin, L. N., Kuleshova, A. V. - Hydrodynamic conditions and their effect on the degree of gas lifting and conductivity of the electrolyte. p. 53.
- Mat'is, N. S., Bershtein, V. A. - Efficient use of heat in the Bayer method of alumina production. p. 57.
- Voronin, N. I., and others. - Testing new materials for supplying current to the cathode of an aluminum electrolytic cell. p. 63.
- Kanevskii, L. S., Shlavskii, B. S. - Promising graphite heat exchangers. p. 66.
- Meerson, G. A., Mikhaitova, V. G. - Treatment of scheelite concentrates by nitric acid in heated ball mills. p. 69.
- Kurumchin, Kh. A., Iatsenko, A. P. - Making overall use of copper-vanadium cake from titanium production. p. 72.
- Nikolai Petrovich Sazhin's 70th anniversary. p. 74.
- Bellaev, V. A. - Electron beam melting of niobium and titanium-base alloys. p. 75.
- Amonenko, V. M., and others. - Effect of media during pressure working on properties of niobium. p. 77.
- Rebrov, V. I. - Mechanization of auxiliary operations on heavy drawing machines at the Kolchugino Nonferrous Metalworking Plant. p. 80.
- Gullaev, A. S. - Quality of welded joints depending on conditions of bimetal rolling. p. 83.
- Vatubai, I. M., Ber, L. B. - Columnar crystallization during continuous casting of aluminum. p. 85.
- Khorev, A. I., and others. - Sensitivity to cracks in VT4 and VT16 titanium alloys. p. 87.
- Gurevich, E. L., Rutenberg, E. L., Savel'ichev, V. A. - Cost, quality and pieces of hard alloy products. p. 89.
- Igor Nikolaevich Plaksin, an obituary. p. 89.
- Vol. 40, no. 5, May 1987.
- Table of contents translated:
- Introduce scientific work organization and control of industry. p. 1.
- Socialist obligations of collectives of nonferrous metal enterprises and organizations in honor of the 50th anniversary of Great October. p. 4.
- Sarukhantian, M. - Nonferrous metallurgy of Soviet Armenia. p. 8.
- Murashov, V. D. - Technical progress at "Tuzhuralnikol" Combine. p. 14.
- Shcherbakov, V. I., and others. - Experiences in the industrial introduction of first-stage, ore-pebble comminution at Daragan Ore Dressing Plant. p. 21.
- Kashurnikova, Z. N., and others. - Studying the processes of self-comminution of various ores. p. 24.
- Ryskin, M. I. A., Bazanova, N. M. - Technology of processing copper-zinc ores of Daglyarka deposit. p. 27.
- Matveenko, N. V. - Dependence of optimum and critical size of flotation particles on acceleration of pulp stirring. p. 29.
- Borbat, V. F., Tikhomirov, O. B. - Extraction of tetravalent iridium by the ANP collector from hydrochloric acid solutions. p. 30.
- Berger, G. S. - Mechanism of mineral flocculation by long-chain collectors. p. 33.
- Uglikova, N. S., Perepelitsyn, V. A. - Increasing the service life of linings in rotary tubular kilns. p. 35.
- Vanlukov, A. V., Mazurchik, E. N., Zaitsev, B. I. A. - Effect of surface-active additives on the rate of reduction of oxides in molten slags. p. 39.
- Pereplygin, I. U. P., Ammas, A. I. A., Bol'shakov, A. P. - Using graphite blocks for the protection of scrubbing columns in the UKSTeK sulfuric acid plant. p. 44.
- Kluchnikov, A. D., Emel'ianov, V. A. - Efficient ways of making use of cyclone principle in smelting furnaces. p. 45.
- Belovitskii, A. M., Dadykov, G. Z. - Methods of determining the number of allendans for gas purification plants. p. 49.
- Senin, V. N., Kostukov, A. A., Dvinn, I. U. I. - Determining conditions contributing to the passage of sodium into cathodic aluminum. p. 53.
- Avdeeva, T. I., Novolodskaya, A. A. - Using gray mud as desulfurizing additive. p. 57.
- Bersimenko, O. P., Veliukov, M. M. - Rate of loss of aluminum in cryolite-alumina melts. p. 61.
- Muzhzhaylov, K. D., and others. - Effect of titanium addition to raw materials on current efficiency during magnesium electrolysis. p. 65.
- Belousov, V. G., Kovalenko, G. M. - Using silicon rectifiers for graphitization on direct current. p. 67.
- Lekalova, L. I., and others. - Material and heat balance in furnace performance for the smelting of titanium slags. p. 69.
- Gaisel'shtein, I. M., Golovinskaya, L. N. - Technical and economic study of flow sheets. p. 72.
- Okhrimenko, I. A. M., Berezhnoi, V. L. - Metal extrusion by dies with free movement of the container. p. 76.
- Dalnin, A. I. - Cooling of dies for metal extrusion. p. 79.
- Brovman, M. I. A., Dodin, I. U. S., Serebrennikov, V. N. - Roll grooving for an 850 two-high sheet mill. p. 81.
- Borisev, A. I. A., and others. - Rolling high-melting metals in an inert controlled temperature. p. 82.
- Zelenov, A. N., and others. - Gas content in vacuum-melted cast copper. p. 84.
- Trot'nikov, E. U., Khols'ian, S. G., Il'in, N. S. - Operation of an annealing high-temperature furnace. p. 85.
- Chernova, T. S., Mogulova, T. V. - Structure and properties of the AT6 alloy during testings under stress. p. 88.
- Kostukov, I. I. - Meeting of metallurgists in Sofia. p. 89.
- UGOL' [COAL].** Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 42, no. 5 (404), May 1987.
- Table of contents translated:
- May Day in the 50th year of the Soviet state. p. 1.
- Kondratenko, V. P. - Expansion of Chelyabinsk coal basin in the years of the Soviet rule. p. 6.
- Sungurov, I. U. V. - Coal mine that is coeval to the Great October. p. 9.
- Ivanov, A. M. - The "Uzhtgiproskhakht" Institute (Southern State Institute for the Design and Planning of Mine Construction in the Coal Industry) in the 50 years of the Soviet rule. p. 13.
- Minevich, A. S., Khvestov, I. T. - Economic evaluation of scientific-research work in mining industry. p. 17.
- Murav'ev, V. P. - Optimum number of active faces held in reserve for coal mines. p. 21.
- Burchakov, A. S., Verol'ov, B. M., Blishele, I. V. - Reliability of coal mines as a technological system. Open to discussion. p. 26.
- Kukharov, V. N., Pollakov, P. I. - Reorganization of "Kochegarka" No. 1-5, Lenin No. 5-7, and "Komsomolets" coal mines of the Arlenugov' Combine. p. 30.

- VOLGOGRAD. NAUCHNO-ISLEDOVATELSKII INSTITUT NEFTI I GAZOVYI PROMYSHLENNOSTI. THE PETROLEUM AND GAS INDUSTRY. Transactions, Moscow, no. 3, 1965. Problems of geology and oil and gas occurrences in Volgograd Province. Table of contents translated.
- Shuchenko, V. I. - Detailed division of Eocene sediments in Volgograd Province. p. 3.
- Nazarenko, A. M. - Characteristics of spore complexes in Middle Devonian sediments of Volgograd Province. p. 39.
- Sarycheva, A. I. - New data on stratigraphy of Jurassic sediments in Volgograd Province. p. 48.
- Karpov, P. A. - Effect of depth of occurrence on reservoir properties of Triassic rocks in Devonian of Volgograd Province. p. 59.
- Iarkov, G. M. - Lithologic characteristics of and conditions of sedimentation in Tournaisian sediments in southeastern slope of Voronezh Massif. p. 81.
- Iarkov, G. M., and others. - Lithostratigraphic section of Nikolayevskaya key well No. 2. p. 83.
- Urusov, A. V., and others. - New data on stratigraphy and prospects for oil and gas occurrences in Permian and Triassic sediments of Volgograd Province. p. 112.
- Avanishyan, G. M., Langbort, A. E. - Evaluation of oil and gas prospects in Mesozoic and Cenozoic sediments in the Volga Valley portion of Volgograd Province. p. 132.
- Smolinov, A. V. - Regenerated quartz as indicator of oil and gas potential of sandy beds. p. 151.
- Brazhnikov, G. A., and others. - Tectonic zoning of Volgograd Province. p. 164.
- Brazhnikov, G. A., and others. - Structure of western margin of Caspian Trough. p. 181.
- Knyr, L. G. - Tectonic structure of southern end of Don-Medveditsa Swell. p. 200.
- Shafiro, I. A., Avanishyan, G. M. - Mesozoic and Cenozoic structure of Volga Valley portion of Volgograd Province and its relation to Devonian regional structural plan. p. 206.
- L'vovskii, I. U. M. - Tectonic structure of western flanking of Caspian Lowland in Volga Valley portion of Volgograd Province. p. 232.
- Rozanov, L. N., Tsygankov, A. V., Aleshin, V. M. - Tectonic zoning and recent movements in lower Volga Valley. p. 238.
- TSyganov, A. V., Aleshin, V. M. - Recent tectonics in Don River Bend. p. 252.
- Kolpaknikov, V. M., Benderovich, I. U., Gotsikova, A. E. - Fundamental principles of effective field prospecting methodology in Volgograd Province. p. 260.
- Alsenov, A. A., Benderovich, I. U. - Search prospects for buried uplifts in Volgograd Province. p. 265.
- Aksenov, A. A., and others. - Effective complex of geologic prospecting operations in Volgograd Province. p. 274.
- Lavrent'eva, V. S., Pestrikov, A. S., Fusov, A. I. A. - Methodology of comprehensive study of carbonate reservoirs and some results of its use in Volgograd Province. p. 287.
- Kiselev, S. M. - New data on hydrogeology of Devonian sediments in northwestern part of Volgograd Province. p. 310.
- Tsvetkova, R. A., Astashova, A. N., Aref'ev, N. V. - Regularities of changes in properties of petroleum in Devonian sediments of Volgograd Province. p. 324.
- Mitrofanov, V. Z., Makarov, A. A. - Methodology of determining rare gases using MI-1305 mass spectrometer. p. 334.
- Mokienko, V. F. - Using trace elements for correlation of geologic sections. p. 346.
- Glagoleva, A. G., and others. - Radiogeochimical surveying in Volgograd Province in searching for oil and gas. p. 350.
- Grebennikov, A. I. - Results of studies in wells with highly mineralized mud. p. 362.
- Pestrikov, A. S., Ermakova, A. M. - Experience in using data of neutron gamma method for evaluating porosity of carbonate rocks. p. 372.
- Pestrikov, A. S. - Use of neutron method based on epithermal neutrons for lithologic division of well sections, delineation of reservoirs, and evaluation of their productivity. p. 388.
- Kuznetsova, M. M., Dobrovolskii, I. A. - Physical properties of sedimentary rocks found in Tormosin well No. 1. p. 397.
- Slasenkov, V. V., Shvarts, T. V. - Evaluating nonuniformity in frequent alternation of reservoir beds. p. 22.
- Kichenko, E. A. - Correlation of layers of lower productive bench in Novo-Khazino field. p. 28.
- Oganzhants, V. G., Sadehkov, P. B., Suvorov, N. I. - Experimental study of role of molecular diffusion in stratified porous media. p. 33.
- Gorbunov, A. T. - Elastoplastic flow regime. p. 40.
- Kuznetsov, I. I. - Movement of water-oil interface in thin layer. p. 45.
- Ostrovskii, I. U. M., Rozenberg, M. D. - Hydrodynamic calculation of displacement of thinned oil by gas. p. 50.
- Kizymov, A. Sh. - Movement of interface of fluids toward linear line of wells at given pressure. p. 55.
- Sadehkov, P. B. - Flow of oil toward well in oil-gas pool with bottom water. p. 59.
- Sitilman, I. I., Tomel'gas, V. A., Ovezov, M. M. - Distribution of pressure and saturation when pumping gas into water-bearing formation. p. 61.
- Glagoleva, A. G., Kryukov, V. G. - Analyzing graphs of pressure and production changes using parabolic approximation. p. 73.
- Rozenberg, M. D., and others. - Calculating development of pools of light hydrocarbon mixtures. p. 80.
- Bol'son, I. U. P., Kozlov, N. V., Suslov, V. A. - Effective pattern for producing wells in continuous beds. p. 87.
- Bol'son, I. U. P., Volnov, V. V., Khristaleva, Z. A. - Dependence of degree of formation discontinuity on number of initial data and some parameters of non-uniformity. p. 94.
- Kamenskii, S. G., Mamun, V. N. - Withdrawing oil samples from deep wells working at bottom pressures below saturation pressure. p. 102.
- Zvezdskii, F. I. A., Stepanov, V. P. - Investigating imperfect wells. p. 109.
- Zlobinets, R. B., Kuchapina, M. I., Orlov, V. S. - Evaluating characteristics of parameters of layers and wells of oil horizons in Uzen' field based on field data. p. 117.
- Kamenskii, S. G. - Effect of imperfection of response well on its level changes during hydrodynamic studies. p. 127.
- Kamenskii, S. G., Suslov, V. A. - Effect of bottom-entering water on repressuring in well under study. p. 134.
- *ZASHCHITA METALLOV [PROTECTION OF METALS]. Issued by Gosudarstvennyi komitet po koo'dinatsii nauchno-issledovatel'skikh rabot SSSR (State Committee for the Coordination of Research of the U.S.S.R.) and others. Moscow, vol. 3, no. 3, May-June 1967. Table of contents translated.
- Smolovskii, M. - Effect of hydrogen on properties of iron and its alloys. p. 207.
- Knaster, M. B. - Mechanism of corrosion with oxygen depolarization. p. 202.
- Rozentfeld, I. L., Zhigalova, K. A. - Studying electrokinetic properties of protective coatings. p. 298.
- Mullei, G., Tashov, G. I. - Pitting corrosion of stainless steel containing chlorine ions. p. 305.
- Kokorin, G. A., Golikov, N. S. - Effect of organic additives on the structure of tin in electrolytic tin plating. p. 314.
- Napukh, E. Z., Kudryavtsev, N. T., Tshina, K. M. - Electrodeposition of a high-tin copper-tin alloy from a pyrophosphate electrolyte. p. 317.
- Lebedeva, V. N., Popereka, M. I. A. - Electrodeposition of copper from a sulfate electrolyte in presence of nitrogen-containing organic compounds. p. 323.
- Khoperin, T. N. - Effect of nature and concentration of organic additives on the chemical nickel coating process. p. 328.
- Riabchenkov, A. V., Kokorin, N. R. - Certain regularities in the electrodeposition of zinc plating from polyethylene-polyamine electrolytes. p. 334.
- Savin, L. S., Ovchinnikova, V. V., Salamatka, L. F. - Effect of oxidizing agent additives in steel pickling on the adhesion of enamel coatings. p. 340.
- Savin, L. S., and others. - Effect of oxidizing agents on the dissolution of low-carbon steel in sulfuric acid and the quality of enamel coatings. p. 343.
- Lebedeva, V. N., Popereka, M. I. A. - Electrodeposition of copper from a sulfate electrolyte in presence of nitrogen-containing organic compounds. p. 323.
- Khoperin, T. N. - Effect of nature and concentration of organic additives on the chemical nickel coating process. p. 328.
- Riabchenkov, A. V., Kokorin, N. R. - Certain regularities in the electrodeposition of zinc plating from polyethylene-polyamine electrolytes. p. 334.
- Savin, L. S., Ovchinnikova, V. V., Salamatka, L. F. - Effect of oxidizing agent additives in steel pickling on the adhesion of enamel coatings. p. 340.
- Savin, L. S., and others. - Effect of oxidizing agents on the dissolution of low-carbon steel in sulfuric acid and the quality of enamel coatings. p. 343.
- Anoshchenko, I. P. - Iron dissolution in a mixture of hydrochloric and nitric acids. p. 347.
- Kravchenko, T. G., Zhuk, N. P., Opata, B. K. - Heat resistance of nickel alloys with oxides. p. 349.
- Kozmanov, I. D., Filatova, L. A. - Possible classification of phenomena of internal oxidation of binary alloys. p. 354.
- Gromova, A. I., Belous, V. N., Gerasimov, V. V. - Effect of fluoride ion on the corrosion of OKh18Ni11 steel in water and high-pressure steam. p. 356.
- Gil'gov, V. P. - Potentials of the start of passivation and zero points of metals. p. 357.
- Agapolskii, L. N. - Effect of annealing at 600°C on anodic behavior of pure zinc in hydrochloric acid. p. 360.
- Gaishina, N. V., Sycheva, V. I., Azhugin, F. F. - Self-regulating chromic electrolyte with low corrosive activity. p. 362.
- Lukonskii, I. U. A., Afanas'eva, V. V., Dorogova, T. V. - Preparation of aluminum surfaces prior to direct electrolytic nickel plating. p. 364.
- Sinlova, G. Z., Izmailov, A. V., Danilova, N. N. - Corrosion testing of chromium and multilayer coatings in milk industry media. p. 365.
- Matishenko, B. D. - Increasing the durability of equipment and technological structures of potash flotation plants. p. 368.
- Proskukin, E. V., Gorbunov, N. S. - Protection of pipes for the petroleum industry. p. 372.
- Makarov, E. V. - Nonuniform corrosive attack and protection of steel smoke pipes. p. 373.
- Santalov, L. A., Shapovalov, E. T. - Potentiostatic equipment for electrochemical investigations. p. 375.
- *ZAVODSKAIA LABORATORIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po koo'dinatsii nauchno-issledovatel'skikh rabot SSSR (State Committee for the Coordination of Research of the U.S.S.R.), and the State Planning Committee of the U.S.S.R., and the State Committee for the Coordination of Research in the U.S.S.R., Moscow, vol. 33, no. 3, 1967. Table of contents translated.
- Iakovlev, P. I. A., Malinina, R. D. - Determination of solubility and constants of acid dissociation of thioalides. p. 267.
- Samokovskaya, G. N. - Phase analysis of beryllium ores. p. 270.
- Brainina, Kh. Z., and others. - Polarography of metals on a graphite electrode. p. 274.
- Murashova, V. I., Susikova, S. G., Bakulina, L. I. - Determination of selenium and tellurium in sulfide ore. p. 280.
- Lisetskaya, G. S., Froger, S. V., Zatonchikovskaya, E. K. - Concentration of microgram quantities of gallium, indium, gold, platinum, and tin by organic coprecipitating agents. p. 282.
- Nevzorov, A. N., Gann'ov, Z. G. - Determination of zinc in samples containing niobium and tantalum. p. 285.
- Kovalenko, P. N., Shchemoleva, G. G., Sokolova, J. S. - Photocolometric method of determining uranium (VI) in metallic lead. p. 287.
- Shevchuk, I. A., Skolnik, N. A., Enal'teva, L. I. A. - Determination of pyrophosphate ions by extraction of pyrophosphate complexes of iron with n-dodecylamine. p. 288.
- Sheina, T. T., Buzlanova, M. M. - Polarographic analysis of waste waters from phenol and acetone production. p. 290.
- Deiko, V. I., Savchenko, V. P. - Conductometric determination of sulfuric and maleic acids in dibutyl malonate. p. 293.
- Mustafin, I. S., Shchukina, V. S. - Differential photometric determination of zirconium in alloys. p. 294.
- Kozyrova, L. S., Kuteinikov, A. F., Romanovskaya, N. I. - Separation and determination of metallic niobium, niobium carbide, and niobium pentoxide. p. 295.
- Labinskaya, N. I., Nazanova, V. I. - Determination of ammonium chloride in the catalyst for the synthesis of acrylonitrile. p. 296.
- Takimoto, M., Sawada, M. - Rapid spectrophotometric determination of cyanamide. p. 296.
- Vishniakov, I. A. D., and others. - X-ray diffraction determination of the probability of packing defects in metals with a face-centered cubic lattice. p. 297.
- Zav'latova, L. L., Ivailov, A. S., Shai'onova, A. V. - Method for direct quantitative phase analysis by diffraction examination of aluminosilicon alloys. p. 303.
- Shel', M. M. - Use of the magnetoelastic method in measuring stresses in magnetically hard steels. p. 303.
- Pustynnikov, V. G., Svetashev, S. S. - Checking the cold hardening of steel parts taking into account all the electromagnetic parameters. p. 309.
- Ermolov, I. N. - Use of an ultrasonic resonance thickness gauge in measuring objects with nonparallel surfaces. p. 311.
- Sheiber, G. K., Sakilian, L. S., Palsova, I. I. A. - Comparison of the results of various methods for determining the depth of intercrystalline corrosion. p. 314.
- Kon'kov, V. L., Emel'yanov, A. I. - Effect of the thickness of semiconductor films on the results of probing measurements of the Hall constant. p. 316.
- Epshtein, G. N., Lazareva, E. A., Krasikov, K. I. - X-ray diffraction measurement of macrostresses in large spherical parts. p. 318.
- Olenko, A. P., Ivanenko, M. I. - Differentiating the α and γ phases in electron microscopy. p. 319.
- SELSOIZNIYI NEFTGAZOVYI NAUCHNO-ISLEDOVATELSKII INSTITUT. Nauchno-tekhnicheskii sbornik po dolyche nefti [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Scientific and Technical Papers on Petroleum Production]. Moscow, no. 28, 1966. Table of contents translated.
- Beev, V. A., Emel'yanov, N. N., Slasenkov, V. V. - Experience in investigating nonuniformity of productive layers in Kolodazno-Velichayevka field. p. 3.
- Karapetov, A. M. - Oil and gas potential of Pokrovskayevskaya area. p. 12.

- Khrantsov, I. A., Vasil'eva, L. K. - Determining the possibility of nickel coatings on aluminum alloys. p. 320.
- Kurdonski, Kh. B. - Quick-action fatigue tests by the "forcing" method. p. 321.
- Stepnoi, M. N., Shukhman, I. A. - Forecast of fatigue testing of light alloys. p. 331.
- Sonik, V. I. A. - Statistical processing of the results of fatigue testing on a bounded base. p. 336.
- Kaganovskii, I. P., Oyedova, A. V., Lepikhova, E. E. - Use of experimental planning methods in growing germanium single crystals from the melt. p. 340.
- Korshunov, M. A., and others - Experimental planning in the technology of organic synthesis. p. 342.
- Kudraltsev, I. V., Sosnovskii, L. A. - Behavior of soft steel in tests under recurrent static bending loads. p. 344.
- Guf, M. E., Pavlovskii, V. E. - Method for determining the lower limit of damaging spectral stresses. p. 349.
- Reinberg, E. S. - Reliability of determining the fatigue limit of titanium as dependent on the extent of the testing base. p. 352.
- Dolinskaya, I. U. S., Vukovskaya, M. I. - Use of the methods of impression and stretching in studying the anisotropy of hardness in crystals. p. 355.
- Jangas, E. A., Malishauskis, M. A. - Dependence of hardness on friction and preliminary cold hardening. p. 359.
- Polukhin, P. I., Kudrin, A. B., Vorontsov, V. K. - Use of the Mohr effect in studying plastic deformation. p. 361.
- Shandakov, K. S., and others - Determining the durability of threads cut in plastic materials. p. 363.
- Burshtein, L. S. - Determining the elastic modulus of rocks by the resonance method. p. 365.
- Zaitsev, G. Z., Linkin, P. A., Klimochkin, M. M. - A specimen for fatigue testing simulating the teeth of a toothed wheel. p. 366.
- Strizhalo, V. A. - Unit for fatigue testing with programmed changes in loads and temperature. p. 367.
- Tyablikov, I. U. E. - Specifics in handling new commercial-type hydro pumps. p. 369.
- Novichkov, P. V., Petrov, V. A., Kondrat'ev, V. P. - Unit for studying internal friction in various methods for loading of specimens. p. 372.
- Lebedev, D. V., Ovsianikov, B. M. - Changes in the design of IRM-O2 machines for tensile testing of microspecimens at high temperatures in a vacuum or neutral gas. p. 374.
- Bush'vich, S. N., and others - Vaporizer for studying the thermodynamic characteristics of nonvolatile substances. p. 376.
- Vronskii, V. P., Rodionov, S. A. - Improvement of a noncontact optical thickness gauge. p. 378.
- Anikshovskii, G. N. - Device for automatic counting of drops in measuring surface tension. p. 379.
- Aleksandrovich, E. G. V., Kolesov, V. I. - Tubular thermal microflowmeter. p. 380.
- Miroshnikov, A. L., and others - The ELIP-7 electron-beam polarograph. p. 382.
- Rackov, V. A., Pavlenov, L. A., Chernykh, I. U. N. - Device for potentiostatic studies. p. 385.
- Lashko, N. F., Khachiko, I. U. A. - Phase analysis of quick-cutting steels. p. 387.
- Anatoli Pavlovich Kreshkov; on his 60th birthday. p. 391.
- Arkadii Romanovich Stiganov; on his 60th birthday. p. 392.

17. MILITARY & NAVAL SCIENCES

MILITARY SCIENCE

- COMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 5, no. 24, Dec. 1964.
- Table of contents translated:
- Kalashnikov, M. - Increase the effectiveness of ideological work. p. 3.
- Domnin, S. - A wide range to initiative and creativity. p. 15.
- Berezhnoi, M. - Control of execution, a method of party leadership. p. 20.
- Soshnev, V. - Observe the statute rights of communists. p. 27.
- Bul'ba, T. - International significance of the building of communism in the U.S.S.R. p. 32.
- Tkachenko, G. - Economic and moral-political bases of the military power of governments. p. 38.
- Belous, N. - From the lagging to the advanced in one year. p. 40.
- Dzhabrailov, I. - Always with people. p. 52.
- Skrynnik, A. - Feelings, moods, discipline. p. 57.
- Done with their own hands.
- Stefanovskii, G. - The army's able men. p. 63.
- Parshutin, N. - On the initiative of the Chorkassy Province Communist Youth League members. p. 65.
- Mun'ko, I. U. - Suvorov's teach manhood in labor. p. 67.

- Care for the training of a worthy younger generation. p. 69.
- Bugor'kov, A. - Train soldiers and sailors in revolutionary and combat traditions. p. 74.
- Pildybaio, A. - Twentieth anniversary of the Vietnamese People's Army. p. 79.
- Should communists of headquarters be given such assignments? p. 82.
- Vol. 48, no. 9, May 1967
- Table of contents translated
- Editorial: Let us persistently study the regulations and unreservedly follow them. p. 3
- Dogdanov, B. - Growing cultural level of the Soviet people and the military preparedness of our country. p. 9.
- Rubens, V. - A hymn to the socialist system. p. 17.
- Obukhov, V. - When the deeds follow the words. p. 25.
- Krylov, N. - Morale and courage of the commissioned officers of rocket-launching units. p. 29.
- Igoshev, I. - Propagandists of an Air Force detachment. p. 36.
- Tsyplakov, V. - The party committee of a regiment and the squadron party organizations. p. 43.
- Semiokhin, I. - Initiative in the work of military commissariats. p. 47.
- Mitovidov, A. - Some methodological problems in the military training of Soviet servicemen. p. 52.
- Berleptin, B. - The period of candidacy for membership in the party. p. 59.
- Sokhtanskii, S. - For the creative and efficient methods of work. p. 66.
- The call of your hearts. p. 69.
- Kapushenko, V. - The alliance of workers and peasants is the foundation of the Soviet regime and a guarantee for the invincibility of our Armed Forces. p. 72.
- Ityzhikov, V. - The paths of British diplomacy. p. 70.
- Tkachev, P. - Lectures on the October Revolution. p. 84.
- How many party members should cast their votes in order to admit a candidate into the CPSU or to refuse to do that? p. 87.
- New publications on military psychology. p. 91.
- In military districts and fleets. p. 93.

- Vol. 48, no. 10, May 1967.
- Table of contents translated
- Editorial: A letter is a human document. p. 3.
- Kondrat'kov, T. - V. I. Lenin on the correlation between war and policy. p. 9.
- Pavlovskii, I. - Basic efforts to improve the quality of military training. p. 17.
- Promyslov, V. - Moscow is a heroic and industrious city. p. 21.
- Zimenkov, M. - Breath of the flaming years. p. 32.
- Lashko, N. - The party's concern for the training of military cadres. p. 40.
- Andrianov, V. - A formula of strictness. p. 47.
- Gavrilov, V. - In the interest of developing the battle training of tankmen. p. 52.
- Zakharov, I. - In the spirit of friendship among peoples. p. 57.
- An inspiring and strenuous job. p. 61.
- Tyrin, N. - We must convince, educate, and lead. p. 65.
- Lakhnikov, M. - Lenin's nationalities policy and the struggle of the CPSU for its realization. p. 71.
- Pavlov, V. - The policy of the socialist countries and European security. p. 78.
- Realization of the work of the party control of the economy of the administration of Army exchange enterprises. p. 84.
- In military districts and fleets. p. 92.

- Vol. 48, no. 11, June 1967.
- Table of contents translated
- Editorial: Our glorious achievements are the might of our beloved fatherland
- Sumnaskas, M. - Our confident step
- Smlinov, G. - A dream of our floor
- Tarakanov, V. - Let us prepare for the victory of the Soviet motherland
- p. 21.
- Kozlov, A. - Soldiers of the F. E. I Division develop their battle training
- Novikov, V., Rut'kov, V. - Ideological education of officers. p. 31.
- Ushakov, V. - Time norms and price. p. 37.
- Ampilov, P. - When letters are so placid. p. 40.
- Great moral power. p. 42.
- Rodin, G. - Showing concern for a. p. 47.
- Lebedinskas, A. - Economic advance over capitalism and the ways to
- Slukhail, I. - Collective guidance a
- stability. p. 60.
- Tkachenko, V. - To decide means
- Sokolov, M. - The present-day So
- of the 23d Congress of the CPSU
- consolidation. p. 72.
- Fraternal peoples are marching fo

- The Komsomol has issued its new membership cards. p. 81.
- Zubkov, I. U. - Heroic and patriotic subjects in the theater. p. 85.
- In military districts and fleets. p. 92.

- Vol. 48, no. 12, June 1967.
- Table of contents translated
- Editorial: Socialist competition of servicemen. p. 3.
- Miroshnikov, V. - Preparing the revolutionary forces for the armed uprising. p. 8.
- Gorshkov, S. - Military training on the oceans. p. 10.
- Tret'yakov, V. - Words calling for heroic deeds. p. 23.
- Vlas'evich, I. U. - Present-day war and economy. p. 27.
- Il'in, S. - Some problems of subject matter and organizing specific sociological research in military units. p. 34.
- Tenishchev, I. - Ideological convictions are tokens of successful service of young officers. p. 41.
- Glazikhin, V. - Two years of work according to new methods. p. 46.
- Averchuk, S. - Obligations and rights of Communists. p. 51.
- Lutskov, V., Kodintsev, A. - Psychological basis of developing military skill of servicemen. p. 59.
- Simakov, M. - The glorious anniversary deserves highly efficient work. p. 65.
- Bumtsev, A. - Marxist-Leninist theory of the party and its development under present-day conditions. p. 71.
- Nosyrev, L., Khiamov, I. - Another step toward militarization. p. 78.
- How to conduct evenings of questions and answers? p. 83.
- The Military Institute of Foreign Languages. p. 86.
- From the editor's mail. p. 87.
- Letters to the soldier Aleksandr Belov. p. 91.
- Lahnev, B. - Veterans of the revolution are helping servicemen. p. 92.
- In military districts and fleets. p. 93.

RODIMIY KRAI [NATIVE LAND]. Issued by Donskoe vojskovoie otdeleniye [Don Cossack Association]. Paris, no. 70, May 1967.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 48, no. 23 (1967), Dec. 1966.

- Vol. 48, no. 23 (1967), Dec. 1966.
- Table of contents translated
- Lelushenko, D. D. - The heart of our native land is saved. p. 1.
- Shurkalin, A. A. - Everything for the front, everything for victory. p. 2.
- Medvednikov, A. F. - From the militia to the elite guard. p. 4.
- Moiseukov, P. T. - Let the volleys of "Kallusha" sound. p. 4.
- Kholodov, I. M. - By skill and courage. p. 6.
- Malkin, V. M. - On some frontiers. p. 8.
- Orlov, A., Los', A., Belviltsev, R. - The Panfilov regiment. p. 14.
- Vorob'ev, E. - Comrades from the western front. p. 24.
- Lubenko, A. - Who is preparing to become a soldier. p. 30.
- Iashin, I. - Write
- Belous, N. - Ove
- Baulin, V. I.
- Rybin, V. -
- News in se
- Abakumov, caucasian

- Kniazev, P. - For most people hold competitions. p.40.
- Rizel', A., Meikulov, N. - Organization of feeding at field airports. p.48.
- Chaporov, E. - On a frontier post. p.51.
- Mogilevets, E. - Concern for the soldier. p.52.
- Shpakovskii, A., and others - Readers propose. p.54.
- Astakhov, V. - Storing chemical materials. p.57.
- Khidulko, D. - Financial security and economic initiative. p.60.
- Kartashov, A. - A year's operation of a new method. p.64.
- Razumov, V. - What hampers the struggle for profitability. p.68.
- Popov, V. - Direct mixed shipments. p.70.
- Belov, A. - Research continues. p.72.
- Zenit, V. - Across a water barrier. p.74.
- Tieblon, N. - Loading automobiles onto gondolas. p.78.
- Gorshkov, I.U., Tsioukita, M. - Network schedule graphs in overall ship repair. p.82.
- Lebedev, N. - Technique of electrical safety. p.87.
- Technical information. p.89.
- Mallin, V. - In the struggle for economy and thrift. p.91.
- Brief news on service troops. p.94.

*VESTNIK PROTIVVOZDUSHNOI OBOROY (AIR DEFENSE REVIEW). Published by Voenno izdatel'stvo Ministerstva oborony SSSR [Military Publishing House of the Ministry of Defense of the U.S.S.R.], Moscow, no.10, Oct 1966.

- Table of contents translated.
- Always be concerned with the strengthening of discipline. p.3.
- Klapal', I.R. - Master the skills of Party political work. p.8.
- Dzhtoev, K.I. - Against vulgar simplification and indulgence. p.11.
- Mogilov, P.S. - Ties with the working class are strengthening. p.14.
- Novoselov, A.F., Fen', V.I. - Raising the quality of work of staff officers. p.17.
- Koudiatenko, V.I. - Improve calculations of reconnaissance and target designation stations. p.20.
- Grachev, V.A., Evdokimov, V.R. - Interceptor's attack in the stratosphere. p.23.
- Palagushkin, A.I. - Saving flight safety. p.28.
- Ienilekii, V.V. - This is how we teach sergeants. p.32.
- Matchevskii, N.B. - We evaluate work daily. p.34.
- Veigarsov, V.M., Kovalenko, I.A. - Our opinion. p.36.
- Zabichenov, V.N. - In search of better methods for instructing students. p.38.
- Ukhaishvili, V.I. - Errors of synchronous transmission systems. p.41.
- Kontonov, I.S. - Allowing for refraction when measuring target height. p.45.
- Oleinikov, L.F. - Distribution of spare parts, tools, and accessories. p.50.
- Luginov, S.N. - Automatic load device. p.54.
- Prekhotov, P.I. - Training apparatus for gunners. p.56.
- Manulid, A.N. - What do power engineers need? p.58.
- Sidorov, A.F. - Printed circuits and their use. p.60.
- Filinov, R.V., Zvukov, V.A., Kugov, A.P. - Device for digital and letter type information. p.64.
- Bel'skii, G.P. - Repair and maintenance of communication facilities by troops. p.69.
- Ferent'ev, E.V. - This is worthy of being put into practice. p.72.
- Chalka, V.M. - Making cable terminations. p.75.
- Lavnikov, V.V. - Hydraulic drive mechanisms of radar stations. p.78.
- Chechenin, G.V. - Regulating frequency meters. p.82.
- Kheif, D.F. - Apparatus for recharging storage batteries. p.84.
- Uman, M.S., Dokukin, N.A. - Apparatus for blowing out radar units. p.85.
- Tataylov, D.N. - Increasing reliability of electric motors. p.88.
- Gorbatenko, D.D., Fridman, I.A., V. - Destruction of Hitler's second Air Force around Moscow. p.90.

No.12, Dec. 1966.

- Table of contents translated.
- Podolskii, A.I. - Increase the effectiveness of combat training. p.3.
- Oslipov, E.O. - Set commanders' training on a higher level. p.9.
- Levchenko, N.S. - Party organization and progress of students. p.12.
- Desiatov, A.G. - For the impending exchange of Komсомол documents. p.16.
- Medvedev, S.A. - The initiative of the interceptor pilot. p.18.
- Derevianko, E.A., Kuznetsov, V.G. - Illusions of position in space. p.22.
- Labadze, T.U.B. - Officers training in a company. p.28.
- Shokurov, M.M. - Make broader use of slides. p.33.
- Kondrat'ev, V.I. - Don't forget about the training of electrical engineers. p.36.
- Egorov, M.F. - Justifying an award. p.38.

- Karagozov, A.M. - What is befitting a Soviet officer. p.40.
- Podzkrabaln, M.P. - Independent work of listeners. p.41.
- Zhelamskii, N.T. - Controlling the condition of aviation equipment. p.43.
- Ivanov, G.I.A. - Maintenance of radar stations in winter. p.47.
- Volkov, I.U.P. - Optimal filter. p.49.
- Braudo, S.I. - Repairing transistor circuits. p.52.
- Zogulka, A.F. - Evaluating the working order of coils. p.55.
- Rudonovskii, E.A. - Radar simulator. p.58.
- Stepanov, E.A. - Weather indicator. p.63.
- Mikheev, N.I. - Device for magnetizing magnets. p.64.
- Legasov, G.S. - Game theory. p.67.
- Radar stations with phased antennas. p.74.
- Sozinov, V.D. - In defense of the capital. p.79.
- Shadinski, G.A. - Behind us was Moscow. p.84.

No.1, Jan 1967.

- Table of contents translated.
- Dattskii, P.F. - Raise combat readiness of troops indefatigably. p.3.
- Darbin, D.P., Shumikhin, N.A. - Always be on the alert! V.I. Lenin on vigilance. p.9.
- Vilesov, A.M., Lysyi, I.P. - Military glory lives on. p.15.
- Lomakin, V.V. - High skill demanded of the gunner. p.25.
- Malenkin, A.G. - When firing is in progress. p.28.
- Dem'yanenko, A.I., Olegov, E.I. - Obligations are fulfilled. p.32.
- Bo'ishakov, M.M. - Daily work with flight unit commanders. p.34.
- Bykov, V.A. - In the interest of cooperation. p.39.
- Sitelmantsev, G.G. - Visual reconnaissance. p.43.
- Sergeev, I.M., Sytnik, V.I. - Accelerated training of telegraph operators. p.46.
- Umanets, A.V. - Trained by personal example. p.49.
- Gorodetski, V.V. - This is how reliability of equipment is guaranteed. p.52.
- Galkin, I.U.P. - Operator instruction in carrying on regulating work. p.55.
- Shekhavitskii, I.M. - Estimating errors of the "baospeedograph." p.59.
- Frumovich, V.L., Panishkin, V.G. - Volume high-frequency compensation. p.62.
- Filimonov, V.N. - Pickups of the degree of compression. p.67.
- Tolsteko, V.G. - Surplus and reliability. p.75.
- Lopatin, L.K. - Ideological development of American pilots. p.79.
- Kon'kov, N.G. - Automatic control of aeronautical equipment. p.83.
- Anatimovich, N.A. - Conception and development of radio engineering troops. p.88.

No.4, Apr. 1967.

- Table of contents translated.
- The triumph of Lenin's ideas. p.3.
- Andreev, I.I. - Soviet science and the Armed Forces of the U.S.S.R. p.8.
- Kovalev, V.I. - Some problems in the moral and psychological training of troops. p.13.
- Bolko, T.I. - Efficient means of improving combat training. p.18.
- Reshetnikov, V.P., Garnov, V.I. - Training operators for skill. p.21.
- Ryzhikov, A.V. - In complex situations. p.25.
- Kharitonov, A.I., Sukhachev, I.V. - A good alert. p.26.
- Lavrenchenko, A.K. - On the ground and in the air; cooperation between pilots and guidance navigators. p.30.
- Klystov, S.F. - Attention is focused on tactical training. p.33.
- Shovchenko, I.I. - Improving instruction on systems of calculating landings. p.36.
- Ivanov, N.A. - A pledge of success. p.38.
- Ilikin, Z.I., Pomukhinskii, V.F. - Studying radar station units through photographic dioramas. p.42.
- Pirnamomedov, I.A. - Automatic short range radio communication station. p.44.
- Zimin, G.V. - Using technological methods in the educational process. p.46.
- Morozov, A.S. - Interesting meetings. p.51.
- Levin, M.V. - Conference of Academy graduates. p.62.
- Bychkov, V.V. - Providing for flights by shifts. p.54.
- Parkosadze, I.T., Zolotovskii, I.A. - Supplying radar stations from power distribution networks with commercial frequency current. p.58.
- Khalkin, R.K., Grishonov, R.N. - Physical processes in potential analyzers. p.60.
- Rysseikin, I.N. - Devices for checking aircraft equipment. p.65.
- Naumchik, E.D. - Operating automatic frequency control units. p.69.
- Glushenkov, A.V., Sokolov, V.K. - Adaptors for oscillographs. p.72.
- Demidov, V.P. - How an amplifier works. p.74.
- Volodin, N.F. - The "Mesinkov" simulator. p.78.

- Laveta, K.S. - Television methods of transferring radar pictures. p.80.
- Orlov, A.S. - Ways of overcoming anti-aircraft defense systems. p.84.
- Karagozov, A.M. - They fought for their motherland. p.88.
- Sorkin, E.B. - The motto is cooperation. p.90.
- Katolifov, E.P. - Sky sentries of the fatherland. p.91.

No.5, May 1967.

- Table of contents translated.
- From the storming of the Winter Palace to the storming of the Reichstag. p.3.
- Zabelok, B.G. - Contribution of anti-aircraft defense troops to the victory over Nazi Germany. p.8.
- Dianov, P.V. - More attention to technical means of instruction. p.15.
- Karikh, A.V. - Flight guidance is an art. p.20.
- Kotov, V.M. - The squadron is on the right path. p.25.
- Novoselov, A.F. - Planning the day's flights. p.29.
- Denisov, V.G., Fischev, V.I.A. - Man's physical resources and instruction in calculating missile guidance systems. p.31.
- Rozhdestvenskii, V.V., Khaykin, E.B. - Methods of selecting operators. p.35.
- Medvedev, S.A. - For clear-cut radio traffic during flight. p.40.
- Kunikev, B.V. - We are educating by the examples of the older generation. p.43.
- Malkov, I.U.S. - Training by a new method. p.46.
- Misharin, N.S. - Training with the aid of test slips. p.50.
- Belderman, E.I.A. - Training of aerial fire adjusters. p.52.
- Khizhniakov, V.K. - A universal sport training apparatus. p.53.
- Frolov, V.V. - Establishing the skills of teachers in students. p.55.
- Merkuinov, I.U.N. - An important element in the work of commanders. p.57.
- Lalluk, N.S. - Evaluating the reliability of aeronautical equipment. p.60.
- Semenets, P.M. - Standardized products. p.63.
- Bortsov, A.S. - Instrumental precision of control and measuring apparatus and combat readiness. p.66.
- Shkaldyk, P.M. - Experience in the operation of frequency control service. p.70.
- Chachakov, U.Kh. - Instrument for determining the course of flight. p.74.
- Volkonskii, I.U.N. - A technician's map template. p.78.
- Tatarinov, D.N. - Adapter for the S-13 camera gun. p.77.
- Svatichenko, I.U.B., Badanin, V.P. - Device for altering coordinates. p.78.
- IUFov, B.I., Dik, L.F., Bondarenko, L.A. - Calculating spare parts, tools, and accessories on electronic computers. p.82.
- Oslapchuk, M.V. - At Lenin's summons. p.85.
- Sorokin, A.N. - Along an untrodden path. p.91.

VISTI KOMBATANTA. VETERANS' NEWS. Issued by United Ukrainian War Veterans in America and others. New York, no.3(28), 1967.

*VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.], Moscow, vol 47, no.7, July 1967.

b. NAVAL SCIENCE

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.], Moscow, vol.27, no.4, Apr. 1967.

- Table of contents translated.
- Arshonovskii, I.U. - Conduct Arctic navigation in an exemplary manner during the jubilee year. p.2.
- Belisakov, M. - Makers of technical progress. p.4.
- Lejunov, V. - The great national feat. p.6.
- Soviet merchant marine: the most important resolutions of the party and the government during June 1941 - May 1945. p.8.
- Nikitin, M. - Immortality of the heroic deed. p.9.
- Makarenko, P., Tomilov, S. - Through the covering detachments of the enemy. p.10.
- Malakhov, N. - Duel on the high seas. p.12.
- Klement'ev, A. - Material and technical supply under new conditions. p.13.
- Kondrashikhin, O. - Ways of improving the ship's planning. p.15.
- Rozenshrakh, M. - Technical work norms and wages. p.16.
- Rosenfeld, V. - Mechanizing the recording of work. p.17.
- Sakharov, S. - Capital construction as a source of the reproduction of basic assets. p.18.
- Rates and freights of marine transportation. p.19.
- Krylov, I.U. - Use of radar information to prevent dangerous mutual approaching of ships. p.21.

- Efimov, G. - Results of a competition p. 35.
 Briton, M., Lagutenko, I. - Principal shortcomings of the electric equipment of ships, p. 38.
 Popov, N. - Development of waterways in the Kama basin, p. 39.
 Shatlovskiy, P. - Determining the optimal radius of the curvature of a stable channel in alluvial deposits p. 40.
 Kholopkov, P. - Improvement of the hydraulic and operational characteristics of the beam baffles in the cad-filling system of locks p. 41.
 Tichiburg, T. - High water of 1966 in the Volga-Baltic Sea Canal p. 42.
 Rumiantsev, B. - The port of Surgut, p. 43.
 Meglitskiy, A. - Waves generated by hydrofoil boats in a canal p. 44.
 Krasnov, A. - Improve the hydro meteorological service for ships in the Volgograd Reservoir, p. 46.
 Begatov, E. - Performance of cargo motor ships of the design No. 570 on the Volga-Baltic Sea waterway, p. 47.
 Petrov, M. - Device for determining the length of the crane operation period between two consecutive receipts, p. 48.
 In the Board of the Ministry of the River Fleet, p. 49.
 Technical consultation, p. 50.
 Vaichak, I. - Improve the control over the receipt of profits p. 51.
 Aleksandrov, A. - Brigade method of the work of the crew, p. 52.
 Platin, T. - Semiautomatic cranes p. 53.
- REFERATIVNYI ZHURNAL VODNYI TRANSPORT**
 [JOURNAL OF ABSTRACTS WATER TRANSPORTATION]. Issued by Vsesoyuznyi institut morskoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, nos. 5-6, May-June 1967. [This journal is also issued in parts.]
- RUSSIA (1923 - U.S.S.R.) Ministerstvo morskogo flota, Upravleniye uchebnykh zavedenii, Morskoi flot, nauchnye trudy** [Ministry of the Merchant Marine, Administration of Schools, Seaports, Studies], Moscow, no. 2, 1966.
- Table of contents translated:
 Smolotankin, T. S., Kholzaev, I. I. - Studying the optimum limits of intraport specialization by the types of handled cargoes p. 5.
 Anan'ina, V. Z. - Efficient distribution of cargo movement lines among the transshipment ports, p. 9.
 Andronov, L. P., Kovalev, P. D. - System of the work indices of port warehouses, p. 15.
 Kovalev, P. D. - Effect of the mechanization level of transshipping operations in ports on the preservation of the handled cargo, p. 22.
 Kozlov, V. K. - Moisture conditions in transport warehouses, p. 26.
 Sen'ko, G. A. - Accuracy of echonometric data in establishing technically justified production norms, p. 30.
 Khromnikov, N. A., Goidetskiy, S. F. - Determining the volumes of loose bulk cargoes on the wharves of a sea port by short-base stereophotogrammetry, p. 36.
 Anan'ina, V. Z. - Optimal assignment of cargo movement lines to the wharves and warehouses of a port, p. 43.
 Andronov, L. P. - Improved method for determining the required capacity of port warehouses p. 48.
 Bakhitov, G. S. - Hydrological basis for the construction and operation of ports, p. 53.
 Ambal'ian, O. A. - Studying the deformation of an anchored pile wharf and the choice of its operational regimes, p. 57.
 Vargin, M. V. - Effect of the displacement of a structure on soil pressure in water, p. 61.
 Val'evskiy, I. U. I. - Graphic analytic calculation of the strength of cylindrical pile supports with regard to bending stresses taking into consideration the deformation characteristics of concrete and reinforcement, p. 65.
 Zaretakiy, V. K. - Determining the angle of the friction between soil and the contact plane of gravity quays p. 72.
 Zaslavskiy, A. A. - New type of a floating slanting breakwater, p. 81.
 Kas'yanov, V. V. - Taking into account temporary loads in the building and use of retaining structures, p. 85.
 Kobels, A. S. - Studying compounds made from epoxy resins for the protection of marine hydraulic structures against corrosion, p. 89.
 Kovtun, V. V. - Strength of soil in various stressed states, p. 92.
 Morozov, D. K. - Determining the inertia of a dredge during swinging, p. 95.
 Pasochnik, A. I. - Determining the active pressure of soil on a rigid retaining wall in case of partial consolidation of the fill, p. 100.
 Polukhin, V. A. - Interaction of wind waves with vertical structures in case of various degrees of interference, p. 104.
 Tsol'tin, G. I. U. - Method of network schedule planning and management of construction work in marine hydraulic engineering, p. 113.
- Tshuk, V. A. - Choice of the composition of asphalt solution and asphalt concrete in hydraulic engineering, p. 123.
 Chebykin, V. A., and others. - Laboratory studies of a movable slanting breakwater, p. 126.
 Zaretakiy, V. K., Vargin, M. N. - Mechanization of labor consuming processes in model studies of landing structures, p. 132.
 Kovtun, V. V., Posukhovskiy, A. K. - Combination triaxial apparatus for soil testing, p. 135.
 Efremov, N. I., Zubko, N. T. - In situ studies of transient processes in the mechanisms of port cranes, p. 138.
 Osipenko, F. N. - Deformation of cohesionless soil by the treads of loading machines during turns p. 146.
 Romanovskiy, I. D., Sakovich, A. I. - Initial data for the choice of parameters and structural designs of general cargo loading machines operating in the ship's hold p. 152.
- SUDOSTROENIE [SHIPBUILDING]**. Organ of Ministerstva sudostroitel'noi promyshlennosti SSSR and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [Ministry of the Shipbuilding Industry of the U.S.S.R. and the Scientific Technological Society of the Shipbuilding Industry], Leningrad, vol. 57, no. 2(351), Feb. 1967.
- Table of contents translated:
 Boroditskiy, L. S., Gevidz, V. A. - Noise abatement by vibration insulation of cabins, p. 3.
 Zeffov, L. B. - Noise control on the "Volgo-Don" type ships, p. 5.
 Pimenko, S. M. - Characteristics of noise reducing measures on the "Chernoye More" and "Baltiyskoye More" suction dredges, p. 8.
 Popov, V. D. - Vibration testing of a fiber glass hull, p. 12.
 Dmitriyev, A. N. - Submarine laboratory "Benthos-300," p. 15.
 Manzhos, I. U. A. - Nonmetallic mooring lines for seagoing cargo ships, p. 18.
 Sushlov, B. B., Gimpelman, M. I. - Determination of the basic operational indices of a marine refrigerating unit, p. 25.
 Ovchinnikov, A. V. - Method of calculating the self-compensation of thermal expansion of pipelines by the use of electronic computers, p. 29.
 Efremov, L. V. - Approximate formulas for determining the inertia moment of masses and the yielding capacity of the diesel shaft, p. 32.
 Pozdnakov, V. P. - State and development of marine power plants abroad, p. 34.
 Glukh, B. A. - Principles underlying the programming of the operation of automatic marine power plants, p. 46.
 Kuman, V. V., Livanov, I. A. - Supplying ice-berging ships with hydrometeorological data, p. 51.
 Konovitskiy, V. A. - Stabilized electric drive for models of screw propellers, p. 55.
 Golovchenko, V. S., Mikhov, I. P., Nikonor, A. V. - Use of semiautomatic welding in carbon dioxide, p. 60.
 Rashevskiy, I. A., Rozenthat, G. B., Potchennikova, E. A. - Technology of the manufacture of marine plastic centrifugal electric fans p. 63.
 Luk'yanov, I. S. - Determination of stresses in the ship's propeller shaft and loads on bearings, p. 68.
 Fedulov, B. M. - Some achievements of the production innovators at the I. I. Nosenko Shipyard, p. 73.
 Stepanov, G. I., Gulevskiy, A. A. - Machines for the tapping of fillings used in small lot production, p. 75.
 Merkulov, E. F. - Antifrictional alloy with a low lead content, p. 77.
 Massalabov, K. K., Fieldin, A. A. - ShRMP-5, 5 fiber glass motor boat, p. 81.
 Sem'yanov, N. I. - The stormy September of 1941, p. 83.
 "Aegna's" fighting miles, p. 88.
 Farafonov, M. M. - Heroes of "Malaya Zemlya," p. 90.
 Gusearova, L. N. - Ardent revolutionary fighter, p. 92.
- Vol. 57, no. 3(352), Mar. 1967
- Table of contents translated:
 Matskevich, V. A., Mitrofanov, A. N. - Speed, maneuverability, and seaworthiness of the "Vyegreles" type timber carriers, p. 3.
 Barabanov, N. V., Borisov, E. K. - Some problems in the design of dockhouses of modern ships, p. 9.
 Boltsov, G. V., Volkova, E. B., Markozov, G. V. - Studying stress concentration in discontinuous hull frames, p. 14.
 Rumynskiy, O. A. - Small seagoing salvage tug, p. 20.
 Abramovich, S. F., Samsonov, E. F. - Studying the performance of marine turbines with diffusers, p. 23.
 Shifrin, M. Sh., Volokhov, I. U. P. - Characteristics of the automation of the steam-condensate cycle of the propulsion machinery of the "Sofin" type tankers, p. 25.
 Antimov, I. A. F. - Optimal pulsed operating mode of three-phase bridge rectifier converters, p. 37.
- Chistov, L. M., Popov, V. M. - Results of testing a new method of economic justification as exemplified by the standardization of ship lifting structures, p. 43.
 Seleznevin, T. N., Deglins, P. F. - Epoxy-polyvinylbutyl painting paints for the corrosion protection of cleaned metal during the preassembly period, p. 51.
 Litvinenko, A. G., Faverov, B. P. - Use of thermoplastic antifouling paints for the underwater part of the ship, p. 53.
 Kovtonuk, B. V. - Supporting ventilation grid for refrigerated ships p. 56.
 Balabanov, L. I. - Marking the ship bottom section, p. 57.
 Recent developments in shipbuilding, p. 58.
 Where timber carriers are built, p. 59.
 Zhuravlev, V. A. - Man as a link in the automatic control system, p. 60.
 Problems in building small-tonnage vessels, p. 62.
 Gira, I. V. - First tests of screw propellers, p. 63.
 Gundobin, A. A. - Industrial base of the Russian Navy on the Pacific Ocean, p. 65.
 Iukovskiy, N. K. - "Chervona Ukraina," the first Soviet cruiser, p. 68.
 Uralov, T. T. - Shipbuilder, poet, revolutionary, p. 68.
 Ivanov, A. M. - Heroes of the torpedo boat "Stegushchik," p. 70.
- Vol. 57, no. 4(353), Apr. 1967.
- Table of contents translated:
 Tokaev, A. S. - Consideration of the efficiency of the technological equipment in the design of fishing boats, p. 3.
 Osmolovskiy, A. K. - Participation of longitudinal coatings in the general bonding of the hull, p. 7.
 Grebeniuk, I. A. P., Epshteyn, M. N. - Structural design of continuous longitudinal coatings, p. 10.
 Titkov, I. U. S. - Advantages of continuous longitudinal coatings, p. 12.
 Boltsov, G. V. - Notes on the efficient design of continuous longitudinal hatch coatings, p. 13.
 Mezhenyay, V. I. - System of remote control of the casting of anchor on the "Volgo-Don" type ships, p. 20.
 Gurevich, Kh. A., Epshteyn, T. G. - Calculating the torque characteristics of marine steam turbines, p. 25.
 Rumiantsev, I. A. - Methods and system for overall automation of marine power plants, p. 29.
 Ruderman, Z. S., Smirnov, A. N., Tokmiev, L. N. - Adjustment and operation of the automatic control system of the electric power plant of a tug boat, p. 33.
 Karasev, A. V., Lukomskiy, I. U. A., Moshu, E. A. - Criticism of the optimal control of the steering of ships, p. 36.
 Vladimirov, S. A. - Method for calculating the power of the actuating engine of the lowering winch, p. 41.
 Telegh, F. M., Papushenko, G. L. - Use of discharging devices in the testing of electric propulsion plants, p. 47.
 Dvoeglazov, I. U. K. - Scientific organization of work in ship outfitting, p. 50.
 Khashtonov, V. M. - Standardization of ship machinery foundations, p. 55.
 Adleshteyn, L. T. S., Sokolov, V. F. - Improving the structure of exterior building-ship scaffolding, p. 59.
 Volokhov, L. M., Korol', E. F., Gladshcheyn, I. A. D. - Work practices in detecting faults in the hull structures of ships, p. 66.
 Ugnich, L. M., Topitskiy, M. M. - Use of the FMV plastic in engine mounting, p. 68.
 Soviet shipbuilding at "Expo-67," p. 71.
 Recent developments in shipbuilding, p. 72.
 Gira, I. V. - First tests of screw propellers, p. 73.
 Grigor'ev, A. B. - First squadron of Russian motor torpedo boats, p. 75.
- Vol. 57, no. 5(354), May 1967.
- Table of contents translated:
 Moldavskiy, I. A. - Flooding and surfacing diagram of the "dock-ship" system in partial docking, p. 3.
 Kandel', F. G. - Statistical characteristics of the impact bending moments of river and seagoing ships in waves, p. 5.
 Kuzovnikov, D. P., Shavrov, I. U. N. - Calculating the fatigue characteristics of welded joints in hydrofoils, p. 9.
 Istomin, I. U. V. - International habitability norms for ships, p. 13.
 Podvolitskiy, N. M. - Measures for increasing the efficiency of cargo pumps on tankers, p. 15.
 Gokhshteyn, D. P., and others. - Some problems concerning the use of gas turbines on transport vessels, p. 20.
 Topunov, A. M., Mlachen, E. V., Kulesh, I. U. N. - Experimental studies of the operation of turbine stages under conditions of reverse gas flow, p. 25.
 Avik, I. U. N., Sorzhantov, V. V. - Improving the circuits of automatic electric drives, p. 29.
 Pechenonko, V. I., Koz'minykh, G. V. - Use of the circulating circuit pulse in the water level regulation of marine boilers, p. 33.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

| | | | |
|--|--|--|---|
| Agitator (6) | Agitator | Brat. vest. (3b) | Bratski vestnik [Herald of Brotherhood] |
| Akust. i ul'trazv. (13f) | Akustika i ul'trazvuk [Acoustics and Ultrasonics] | Bum. prom. (16f) | Bumazhnaya promyshlennost' [Paper Industry] |
| Alg. i log. (13e) | Akademija nauk SSSR, Sibirskoe otdelenie. Seminar algebrы i logiki, Algebra i logika [Academy of Sciences of the U. S. S. R. Siberian Department, Seminar of Algebra and Logic, Algebra and Logic] | Burenje (16h) | Burenje [Drilling] |
| Antibiotiki (14f) | Antibiotiki [Antibiotics] | Defektoskopija (16a) | Defektoskopija [Defectoscopy] |
| Arkh. anat., gist. i embr. (13c) | Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology] | Den. i kred (5c) | Den'gi i kredit [Money and Credit] |
| Astron. zhur. (13b) | Astronomicheskii zhurnal [Journal of Astronomy] | Der. prom. (16f) | Derevoobrabatывayushchaya promyshlennost' [Woodworking Industry] |
| Atom. energ. (16e) | Atomnaya energiya [Atomic Energy] | Dif. urav. (13e) | Differentsial'nye uravneniya [Differential Equations] |
| Av. i kosm. (16b) | Aviatsiya i kosmonavtika [Aviation and Astronautics] | Disk. anal. (13e) | Diskretnyi analiz [Discrete Analysis] |
| Avi. dor. (16d) | Avtomobil'nye dorogi [Highways] | Dokl. AN Arm. SSR (13a) | Akademija nauk Armianskoi SSR, Eri van. Doklady [Academy of Sciences of the Armenian S. S. R. Reports] |
| Avt. prom. (16g) | Avtomobil'naya promyshlennost' [Automobile Industry] | Dokl. AN Azerb. SSR (13a) | Akademija nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S. S. R. Reports] |
| Avt. transp. (16g) | Avtomobil'nyi transport [Automotive Transportation] | Dokl. AN BSSR (13a) | Akademija nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S. S. R. Reports] |
| Avt. transp. [Kiev] (16g) | Avtomobil'nyi transport [Automotive Transportation, Kiev] | Dokl. AN SSSR (13a) | Akademija nauk SSSR, Doklady [Academy of Sciences of the U. S. S. R. Reports] |
| Avtom. i telem. (16e) | Avtomatika i telemekhanika [Automatic and Remote Control] | Dokl. AN Tadzh. SSR (1a) | Akademija nauk Tadzhikskoi SSR, Dushanbe. Doklady [Academy of Sciences of the Tajik S. S. R. Reports] |
| Az. i Afr. seg. (1b) | Azija i Afrika segodnya [Asia and Africa Today] | Dokl. AN Uz. SSR (13a) | Akademija nauk Uzbekskoi SSR, Tashkent. Doklady [Academy of Sciences of the Uzbek S. S. R. Reports] |
| Azerb. med. zhur. (14a) | Azerbajchan tibb zhurnaty. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal] | Dokl. Kom. po land. i sel. i kart. (12b) | 1 Geograficheskoe obshchestvo SSSR. Komissiya po landshaftnym issledovaniyam i kartografirovaniyu. Doklady [Geographical Society of the U. S. S. R. Committee on Landscape Studies and Cartography Reports] |
| Azerb. nef. khoz. (16h) | Azerbaidzhanskoe nefitance khozjaistvo [Azerbaijan Petroleum Industry] | Dop. AN URSS. Ser. A (13a) | Akademija nauk URSS, Kiev. Dopovidni, Seriya A: Fizyko-tekhichni i matematichni nauky [Academy of Sciences of the Ukrainian S. S. R. Reports. Series A: Physical, Technological, and Mathematical Sciences] |
| BIKI [Prilozh.] (5a) | Biulleten' inostranoi kommercheskoi informatsii; prilozhenie [Bulletin of Foreign Commercial Information; Supplement] | Ekon. i zhizn' (5b) | Ekonomika i zhizn' [Economics and Life] |
| Bezop. truda v prom. (18a) | Bezopasnost' truda v promyshlennosti [Industrial Safety] | Ekon. nefteodob. prom. (5b) | Ekonomika nefte dobyvayushchei promyshlennosti [Economics of Petroleum Production] |
| Biohim. kul't. rast. (15d) | †Biohimia kul'turnykh rastenii [Biochemistry of Plant Crops] | Ekon. Rud. Ukr. (5b) | Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine] |
| Biul. eksp. biol. i med. (14a) | Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine] | Ekon. sel'khoz. (5b) | Ekonomika sel'skogo khozjaistva [Economics of Agriculture] |
| Biul. inst. astrofiz. AN Tadzh. SSR (13b) | Akademija nauk Tadzhikskoi SSR, Stalinabad. Institut astrofiziki. Biulleten' [Academy of Sciences of the Tajik S. S. R. Astrophysical Institute, Bulletin] | Elek. i topl. tiaga (16g) | Elektricheskaya i teplovaznaya tiaga [Electric and Diesel Locomotive Traction] |
| Biul. inst. teor. astron. (13b) | Akademija nauk SSSR, Institut teoreticheskoi astronomii, Biulleten' [Academy of Sciences of the U. S. S. R. Institute of Theoretical Astronomy, Bulletin] | Elek. sta. (16e) | Elektricheskie stantsii [Electric Power Stations] |
| Biul. ispol. kom. Mosk. gor. sov. (8) | Moscow, Ispolnitel'nyi komitet, Biulleten' [Executive Committee, Bulletin] | Elektrokhimija (12d) | Elektrokhimija [Electrochemistry] |
| Biul. MOIP, Old. biol. (13c) | Moekovskoe obshchestvo ispytatelei prirody, Biulleten'. Otdel biologicheskii [Moscow Naturalists' Society, Bulletin, Biological Section] | Elektrosv'iaz' (16e) | Elektrosv'iaz' [Telecommunication] |
| Biul. Min. vys. i sred. spets. obr. SSSR (8a) | Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Biulleten' [Ministry of Higher and Secondary Specialized Education Bulletin] | Elektrotehnika (16e) | Elektrotehnika [Electrical Engineering] |
| Biul. sta. opt. nabl. isk. spul. Zem. (13b) | Akademija nauk SSSR, Astronomicheskii sovet, Biulleten' stantsii opticheskogo nabludeniya iskusstvennykh sputnikov Zemli [Academy of Sciences of the U. S. S. R. Astronomical Council, Bulletin of the Stations for Optical Observation of Artificial Earth Satellites] | Energ. stroit. za rub. (16a) | Energeticheskoe stroitel'stvo za rubezhom; prilozhenie k sborniku "Energeticheskoe stroitel'stvo" [Power Construction in Foreign Countries; Supplement to the Periodical "Power Construction"] |
| Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. (16a) | Moscow, Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii, Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information, Bulletin of Technical and Economic Information] | Energokhoz. za rub. (16a) | Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries; Supplement to the Periodical "Electric Power Stations"] |
| Biul. Verkh. Suda RSFSR (7) | Russia (1917- R. S. F. S. R.) Verkhovnyi Sud, Biulleten' [Supreme Court, Bulletin] | Energomashino-stroenie (16g) | Energomashino-stroenie [Power Machinery Construction] |
| Bot. zhur. (13c) | Botanicheskii zhurnal [Botanical Journal] | Farmatsev. zhur. (14f) | Farmatsevichnyi zhurnal [Pharmaceutical Journal] |
| Bukhg. uch. (5a) | Bukhgalterskii uch. [Accounting] | Farmatsia (14f) | Farmatsia [Pharmacy] |
| | | Filos. probl. such. prirod. (13a) | Filosofskiye problemy suchasnogo prirodovedeniya [Philosophical Problems of Modern Natural Sciences] |
| | | Fiz.-khim. mekh. mat. (16g) | Fiziko-khimicheskaya mekhanika materialov [Physicochemical Mechanics of Materials] |

AN Azerb SSR Ser ist., filoz i prava (1a)

Izv. AN Kazakh SSR. Ser. geol. (12c)

Izv. AN Mold SSR (1a)

Izv. AN SSSR. Energ i transp. (16g)

Izv. AN SSSR. Fiz. zem. (13f)

Izv. AN SSSR. Mel i zh. d. i gaza (13i)

Izv. AN SSSR. Mel (16h)

Izv. AN SSSR. Neorg mat (13d)

Izv. AN SSSR. Ser fiz (13f)

Izv. AN SSSR. Ser geog (12b)

Izv. AN SSSR. Ser geol (12c)

Izv. AN SSSR. Ser khim (13d)

Izv. AN SSSR. Ser lit. i jaz. (11b)

Izv. AN SSSR. Ser mol. (13c)

Izv. AN SSSR. Tekh. kib. (16e)

Izv. AN Turk. SSR. Ser. obshchestv. nauk (1a)

Izv. AN Uz SSR. Ser fiz - mal nauk (13f)

Izv. AN Uz. SSR. Ser. lekhnauk (16a)

Izv. APN (8a)

Izv. GosNIORKH (15b)

Izv. vys ucheb. zav. elektro-mekh. (16e)

Izv. vys ucheb. zav.; fiz (13f)

Izv. vys. ucheb. zav.; geod. i aerof. (13b)

Izv. vys. ucheb. zav.; gor. zhur. (16h)

Izv. vys ucheb. zav., khim i khim. tekhn. (13d)

Izv. vys. ucheb. zav., mashino-str (16g)

Akademii nauk Azerbaidzhan'skoi SSR, Baku. Izvestiia Seria Istoriia, Filosofii i prava [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in History, Philosophy, and Law]

Akademii nauk Kazakhskoi SSR, Alma-Ata. Izvestiia Seria geologicheskaya [Academy of Sciences of the Kazakh S.S.R. Bulletin. Geological Series]

Akademii nauk Moldavskoi SSR, Izvestiia [Academy of Sciences of the Moldavian S.S.R. Bulletin]

Akademii nauk SSSR, Izvestiia. Inzhenerika i transport [Academy of Sciences of the U.S.S.R. Bulletin. In Engineering and Transportation]

Akademii nauk SSSR, Izvestiia. Fizika zemli [Academy of Sciences of the U.S.S.R. Bulletin. Physics of the Earth]

Akademii nauk SSSR, Izvestiia. Mekhanika zhidkikh i gazov [Academy of Sciences of the U.S.S.R. Bulletin. Mechanics of Liquids and Gas]

Akademii nauk SSSR, Izvestiia. Metallurgiya [Academy of Sciences of the U.S.S.R. Bulletin. Metallurgy]

Akademii nauk SSSR, Izvestiia. Neorganicheskaia khimiia [Academy of Sciences of the U.S.S.R. Bulletin. Inorganic Chemistry]

Akademii nauk SSSR, Izvestiia. Seria fizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]

Akademii nauk SSSR, Izvestiia. Seria geograficheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]

Akademii nauk SSSR, Izvestiia. Seria geologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]

Akademii nauk SSSR, Izvestiia. Seria khimicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Chemical Series]

Akademii nauk SSSR, Izvestiia. Seria literaturno-lingvisticheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Series in Literature and Language]

Akademii nauk SSSR, Izvestiia. Seria matematicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]

Akademii nauk SSSR, Izvestiia. Tekhnicheskii kibernetika [Academy of Sciences of the U.S.S.R. Bulletin. Engineering Cybernetics]

Akademii nauk Turkmen'skoi SSR, Ashkhabad. Izvestiia. Seria obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]

Akademii nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seria fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]

Akademii nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seria tekhnicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Technical Sciences]

Akademii pedagogicheskikh nauk RSFSR, Moscow. Izvestiia [Academy of Pedagogical Sciences of the R.S.F.S.R. Bulletin]

Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khozaystva. Izvestiia [State Scientific Research Institute of Lake and River Fisheries. Bulletin]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geodeziia i aerofotogrammetriia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimiia i khimicheskaya tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, mashinostroyeniie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machinery Manufacture]

| | | | |
|---|--|--|--|
| vys. ucheb. zav., mat. (13e) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mathematics] | Mag. gidr. (13f) | Magnitnaia gidrodinamika [Magnetohydrodynamics] |
| vys. ucheb. zav.; nefi' i gaz. (16h) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, nefi' i gaz. [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Petroleum and Gas] | Mash. i nefi. obor. (16h) | Mashiny i nefiannoe oborudovanie [Machinery and Petroleum Equipment] |
| vys. ucheb. zav.; prav. (7) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Jurisprudence] | Mashinostroi'tel'. (16g) | Mashinostroi'tel' [Machine Builder] |
| vys. ucheb. zav.; prib. (16g) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, priborostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Instrument Manufacture] | Mashinovedenie. (16g) | Mashinovedenie [Mechanical Engineering] |
| vys. ucheb. zav.; tekhn. i leg. prom. (16f) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, tekhnologiya legkoj promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of Light Industry] | Maslo-zhirn. prom. (16c) | Maslo-zhirovala promyshlennost' [Oils and Fats Industry] |
| vys. ucheb. zav.; tekhn. i tekstil. prom. (16f) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, tekhnologiya tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of the Textile Industry] | Mat. k. pozn. geol. stroen. SSSR. (12c) | Materialy k poznaniyu geologicheskogo stroeniia SSSR [Materials on the Geological Structure of the U.S.S.R.] |
| v. Zabaik. otd. Geogr. obsh. v. SSSR. (12b) | Geograficheskoe obshchestvo SSSR, Zabaikal'skii otdel. Izvestiia [Geographical Society of the U.S.S.R. Transbaikalian Branch. Bulletin] | Mat. po geogr. nas. (12b) | Materialy po geografii naseleniia [Materials on the Geography of Population] |
| rdiologiya (14a) | Kardiologiya [Cardiology] | Mat. sbor. (13e) | Matematicheskiĭ sbornik [Mathematical Review] |
| uch. i rez. (16c) | Kauchuk i rezina [Crude and Vulcanized Rubber] | Mat. i tekhn. snabzhen. (5b) | Material'no-tekhnicheskoe snabzhenie [Supply of Materials and Equipment] |
| im. i tekhn. topl. i masel. (16c) | Khimia i tekhnologiya topliv i masel [Chemistry and Technology of Fuel and Oil] | Mat. zam. (13e) | Matematicheskie zametki [Mathematical Notes] |
| im. inform. (13d) | Khimicheskaya informatsiya, sistematischeskii ukazatel' statei v inostrannykh zhurnalakh [Chemical Information; Classified Index of Articles in Foreign Periodicals] | Med. paraz. i paraz. bol. (14a) | Meditsinskaya parazitologiya i parazitarnye bolezni [Medical Parasitology and Parasitic Diseases] |
| im. prom. (16c) | Khimicheskaya promyshlennost' [Chemical Industries] | Med. ref. zhur. (14a) | Meditsinskii referativnyi zhurnal [Medical Abstracts] |
| im. prom. [Ukr.] (16c) | Khimichna promyslovis'ta [Chemical Industries] | Mekh. i avtom. proizv. (16g) | Mekhanizatsiya i avtomatizatsiya proizvodstva [Mechanization and Automation of Production] |
| im. v sel'. khoz. (15a) | Khimia v sel'skom khoziaistve [Chemistry in Agriculture] | Mekh. i avtom. upr. (16g) | Mekhanizatsiya i avtomatizatsiya upravleniia [Mechanization and Automation of Control] |
| im. vys. energ. (13d) | Khimia vysokikh energii [High-Energy Chemistry] | Mekh. mash. (16g) | Mekhanika mashin [Mechanical Engineering] |
| leb. i kond. prom. (16f) | Khlebopiekarniia i konditorskaya promyshlennost' [Baking and Confectionery Industry] | Mekh. tver. tela (13f) | Mekhanika tverdogo tela [Mechanics of Solids] |
| ol. tekhn. (16c) | Kholodil'naya tekhnika [Refrigeration Engineering] | Met. i gornorud. prom. (16h) | Metallurgicheskaya i gornoudnaya promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries] |
| n. i kat. (13d) | Kinetika i kataliz [Kinetics and Catalysis] | Metallaved. i term. obr. met. (16h) | Metallovedenie i termicheskaya obrabotka metallov [Metals and Heat Treatment of Metals] |
| ia. khir. (14h) | Klinicheskaya khirurgiya [Clinical Surgery] | Meteor. i gidrol. (13f) | Meteorologiya i gidrologiya [Meteorology and Hydrology] |
| zh. let. (2a) | Knizhnain letopis' [Book Chronicle] | Meteoritika (13b) | Meteoritika [Meteoritics] |
| ka i khim. (16c) | Koks i khimika [Coke and Chemistry] | Mezhdunar. zhizn' (6) | Mezhdunarodnaya zhizn' [International Life] |
| mm. Ukr. (6) | Kommunist Ukrainy [Communist of the Ukraine] | Mias ind. SSSR (16f) | Miasnaya industriia SSSR [Meat Industry of the U.S.S.R.] |
| mm. Vooruzh. Sil (17a) | Kommunist Vooruzhennykh Sil [Communist of the Armed Forces] | Mikrobiologiya (13c) | Mikrobiologiya [Microbiology] |
| nt. -izm. tekhn. (16a) | Kontrol'no-izmeritel'naya tekhnika [Testing and Measuring Equipment] | Mir. ekon. i mezhdunar. otn. (5b) | Mirovaya ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations] |
| zh. -obuv. prom. (16f) | Kozhevenno-obuvnaya promyshlennost' [Leather and Footwear Industry] | Mol. biol. (13c) | Molekulyarnaya biologiya [Molecular Biology] |
| yl. rod. (16b) | Kryl'ia rodiny [Wings of the Motherland] | Mol. komm. (6) | Molodoi kommunist [The Young Communist] |
| z. -shtam. proizv. (16g) | Kuznechno-shtampovuchnoe proizvodstvo [Forging and Stamping] | Mor. flot (17b) | Morskoi flot [The Merchant Marine] |
| sovedenie (15c) | Lesovedenie [Forestry] | Mor. por. i nauch. trudy (17h) | Morskoi sbornik, zhurnal Voenno-Morskogo Flota SSSR [Naval Review, Magazine of the Soviet Navy] |
| t. d. d. BSSR. Letopis' pechat. BSSR (2a) | Letopis' pechat. BSSR [Chronicle of the Publications of the Moldavian S.S.R.] | Mor. sbor. (17b) | Morskoi sbornik, zhurnal Voenno-Morskogo Flota SSSR [Naval Review, Magazine of the Soviet Navy] |
| t. gazet. st. (2a) | Letopis' gazetykh statei [Chronicle of Newspaper Articles] | Muk. elev. prom. (16f) | Mukomol'no-elevatorsnaya promyshlennost' [Flour Milling and Grain Storage] |
| t. pech. Mold. SSR (2a) | Letopis' pechat. Moldavskoi SSR [Chronicle of the Publications of the Moldavian S.S.R.] | NTO (16a) | Vsesoyuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskoe obshchestvo SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U.S.S.R.] |
| t. rev. (2a) | Letopis' reitsenzi [Chronicle of Reviews] | Nar. khoz. Kazakh. (5b) | Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan] |
| t. zhur. st. (2a) | Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles] | Nauch. dokl. vys. shkoly, biol. nauki (13c) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences] |
| t. i pol. iskop. (12c) | Litologiya i poleznye iskopayemye [Lithology and Mineral Resources] | Nauch. dokl. vys. shkoly; ekon. nauki (5b) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Economics] |
| t. po ped. nauk i nar. obr. (8a) | Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education] | Nauch. dokl. vys. shkoly; filol. nauki (11a) | Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; filologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Philological Sciences] |
| t. proizv. (16h) | Litainoe proizvodstvo [Foundry Practice] | Nauch. soob. AISM (16d) | Erivan. Armianskii nauchno-issledovatel'skii institut stroitel'nykh materialov i sooruzhenii. Nauchnye soobshcheniia [Armenian Scientific Research Institute of Building Materials and Structures. Scientific Reports] |

| | | | |
|---|---|--|---|
| Nauch. -tekh. sbor.
po dob. nefiti
(18h) | Vsesoluznyi neftegazovyi nauchno-issledovatel'skii institut.
Nauchno-tekhnicheskii sbornik po dobyche nefiti [All-
Union Scientific Research Institute of Petroleum and
Natural Gas. Scientific and Technical Papers on
Petroleum Production] | Nov. sov. lit. o
nauke i nauch.
1981 rab. v
SSSR (2a) | Novaya sovetskaya literatura o nauche i nauchno-issledov
tel'skoi rabote v SSSR [New Soviet Literature on
Science and General Research in the U.S.S.R.] |
| Nauch. trudy
AKKH, Teplo-
gor. (16d) | Akademii kommunalnogo khoziasitva. Nauchnye trudy.
Teplosnabzhenie gorodov [Academy of Communal Econ-
omy Studies. Heat Supply of Cities] | Nov. sov. lit.
po filos.
(3a) | Novaya sovetskaya literatura po filosofii [New Soviet
Literature on Philosophy] |
| Nauch. trudy
Mosk. inst.
radioelektr.
i gor. elektro-
mekh. (16e) | Moscow. Institut radioelektroniki i gornoi elektromekhaniki.
Nauchnye trudy [Institute of Radio Electronics and Mining
Electrical Engineering. Studies] | Nov. sov. lit. po
laz. (11a) | Novaya sovetskaya literatura po lazykoznaniyu [New Soviet
Literature on Linguistics] |
| Nauch. trudy
OMIT (18g) | Omsk. Institut inzhenerov zheleznodorozhnogo transporta.
Nauchnye trudy [Institute of Engineers of Railroad Trans-
portation. Studies] | Nov. sov. lit. po
ist., arekhol.
i etn. (4a) | Novaya sovetskaya literatura po istorii, arkhologii i etn
ografii [New Soviet Literature on History, Archaeology
and Ethnography] |
| Nauch. trudy
Perm. NIUI
(16h) | Perm. Nauchno-issledovatel'skii ugol'nyi institut. Nauchnye
trudy [Scientific Research Coal Institute. Studies] | Nov. sov. lit. po
lit. (11b) | Novaya sovetskaya literatura po literaturovedeniю [New
Soviet Literature on the Study of Literature] |
| Nauch. trudy
TashGU, i. Urid.
nauk. (7) | Tashkent Universitet. Nauchnye trudy. Iuridicheskie
nauki. [University. Studies. Juridical Sciences] | Nov. tov. (5a) | Novye tovary, informatsionnyi bulleten' [New Con-
sumer Goods, Information Bulletin] |
| Nauka i tekhn.
v gor. khoz.
(16a) | Nauka i tekhnika v gorodskom khoziasitve [Science and
Technology in the Municipal Economy] | Nov. vrem.
(6) | Novoe vremia [New Times] |
| Neftekhimiya
(16c) | Neftekhimiya [Petrochemistry] | Ogneupory (16h) | Ogneupory [Refractories] |
| Neftepererab.
neftekhim.
(16h) | Neftepererabotka i neftekhimiya [Petroleum Refining and
Petroleum Chemistry] | Okeanologiya (12b) | Okeanologiya [Oceanology] |
| Nefteprom. delo
(16h) | Neftepromyslovoye delo [Petroleum Production] | Okt'abr' (11b) | Okt'abr' [October] |
| Neftefanik (16h) | Neftefanik [The Petroleum Worker] | Opt. i spektr.
(13f) | Optika i spektroskopiya [Optics and Spectroscopy] |
| Nov. inostr.
ekon. lit.
(5b) | Novaya inostrannaya ekonomicheskaya literatura [New
Foreign Economic Literature] | Opt. i mekh.
prom. (16g) | Optiko-mekhanicheskaya promyshlennost' [Optical Instru-
ments Industry] |
| Nov. inostr. lit.
po filos. (3a) | Novaya inostrannaya literatura po filosofii [New Foreign
Literature on Philosophy] | Organ. i upr.
nedob. prom. (5h) | Organizatsiya i upravleniye nefteobrabatovushchey promysh-
lennosti [Organization and Management of Petroleum
Production] |
| Nov. inostr. lit.
po laz. (11a) | Novaya inostrannaya literatura po lazykoznaniyu [New
Foreign Literature on Linguistics] | PMTF (16a) | PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki
[PMTF; Journal of Applied Mechanics and Technical
Physics] |
| Nov. inostr. lit.
po ist., arkhool.
i etn. (4a) | Novaya inostrannaya literatura po istorii, arkhologii i etno-
grafii [New Foreign Literature on History, Archaeology,
and Ethnography] | Part. zhizn' (6) | Partiinaya zhizn' [Party Life] |
| Nov. inostr. lit.
po lit. (11b) | Novaya inostrannaya literatura po literaturovedeniю
[New Foreign Literature on the Study of Literature] | Pat. fiziol. i eksp.
terap. (14c) | Patologicheskaya fiziologiya i eksperimental'naya terapiya
[Pathological Physiology and Experimental Therapy] |
| Nov. issl. v ped.
nauk. (8a) | Novye issledovaniya v pedagogicheskikh naukakh [New
Studies in the Pedagogical Sciences] | Pis'ma v red.
Zhur. eksp. i
teor. fiz. (13f) | Zhurnal eksperimental'noi i teoreticheskoi fiziki. Pis'ma
v redaktsiyu [Journal of Experimental and Theoretical
Physics. Letters to the Editors] |
| Nov. knigi SSSR
(2a) | Novye knigi SSSR [New Books of the U.S.S.R.] | Plan. khoz. (5b) | Plannovoe khoziasitvo [Planned Economy] |
| Nov. knigi za
rub. Ser. A
(13a) | Novye knigi za rubezhom. Seriya A: Matematika, mekhanika,
astronomiya, geofizika, fizika, khimiya, geologiya, fizi-
cheskaya geografiya [New Foreign Books: Series A: Mathe-
matics, Mechanics, Astronomy, Physics, Geophysics,
Chemistry, Geology, Physical Geography] | Plast. massy
(16c) | Plasticheskie massy [Plastics] |
| Nov. knigi za
rub. Ser. B
(16a) | Novye knigi za rubezhom. Seriya B: Tekhnika [New Foreign
Books. Series B: Technology] | Pochvovedenie
(15a) | Pochvovedenie [Soil Science] |
| Nov. knigi za rub.
Ser. V (2a) | Novye knigi za rubezhom. Seriya V: Biologiya, meditsina,
sel'skoye khoziasitvo [New Foreign Books. Series V:
Biology, Medicine, Agriculture] | Porosh. met.
(16h) | Poroshkovaya metallurgiya [Powder Metallurgy] |
| Nov. knigi za
rub. po
obshchestv.
naukam (2a) | Novye knigi za rubezhom po obshchestvennyim naukam;
ekonomika, filosofiya, istoriya, mezhdunarodnye otnoshe-
niya [New Foreign Books on the Social Sciences: Econ-
omics, Philosophy, History, International Relations] | Prib. i sist. avtom.
(16e) | Pribory i sistemy avtomatiki [Apparatus and Systems
of Automatic Control] |
| Nov. lit. o nauche
i nauch.-issl.
rab. za rub.
(2a) | Novaya literatura o nauche i nauchno-issledovatel'skoi
rabote za rubezhom [New Literature on Science
and Research Abroad] | Prikl. geom. i
inzh. graf. (16a) | Prikladnaya geometriya i inzhenernaya grafika [Applied
Geometry and Engineering Graphics] |
| Nov. lit. po
Bolg. (2a) | Novaya literatura po Bolgarii [New Literature on Bulgaria] | Prikl. mekh. (16g) | Prikladnaya mekhanika [Applied Mechanics] |
| Nov. lit. po Ger.
Dem. Resp.
(2a) | Novaya literatura po Germanской Demokraticheskoi Respub-
like [New Literature on the German Democratic Republic] | Priroda (13a) | Priroda [Nature] |
| Nov. lit. po IUG.
(2a) | Novaya literatura po Iugoslavii [New Literature on Yugo-
slavia] | Probl. Arkt. i Ant-
arkt. (12b) | Problemy Arktiki i Antarkтики [Problems of the Arctic and
the Antarctic] |
| Nov. lit. po
Pol'. (2a) | Novaya literatura po Pol'she [New Literature on
Poland] | Probl. gemat.
i perel.
krovi (14e) | Problemy gematologii i perekrivaniya krovi [Problems of
Hematology and Blood Transfusion] |
| Nov. lit. po
Rum. (2a) | Novaya literatura po Rumynii [New Literature on Rumania] | Probl. sovr.
ekon. Ka-
zakh. (5b) | Problemy sovremennoi ekonomiki Kazakhstana [Problems
of the Present-Day Economy of Kazakhstan] |
| Nov. lit. po
Veng. (2a) | Novaya literatura po Vengrii [New Literature on Hungary] | Prof. -tekh. obr.
(18a) | Professional'no-tekhnicheskoye obrazovanie [Vocational
Technical Education] |
| Nov. sov. ekon.
lit. (5b) | Novaya sovetskaya ekonomicheskaya literatura [New
Soviet Economic Literature] | Prom. Arm.
(16a) | Promyshlennost' Armenii [Industry of Armenia] |
| Nov. sov. i inostr.
lit. po stran.
Azii i Afr. (2a) | Novaya sovetskaya i inostrannaya literatura po stranam
Azii i Afriki [New Soviet and Foreign Literature on
the Countries of Asia and Africa] | Prom. Bel.
(16a) | Promyshlennost' Belorussii [Industry of White Russia] |
| Nov. sov. i
inost. lit.
po vop. ateiz.
i rel. (3b) | Novaya sovetskaya i inostrannaya literatura po voprosam
ateizma i religii [New Soviet and Foreign Literature
on the Problems of Atheism and Religion] | Rad. pravo
(7) | Radiatsionnoye pravo [Soviet Law] |
| | | Rad. shk. (8a) | Radiatsionnaya shkola [Soviet School] |
| | | Radio (16e) | Radio |
| | | Radiotekh. i
elektron.
(16e) | Radiotekhnika i elektronika [Radio Engineering and Elec-
tronics] |
| | | Radiotekhnika
(16e) | Radiotekhnika [Radio Engineering] |
| | | Razved. i okh.
nedr (16h) | Razvedka i okhrana nedr [Prospecting and Conserva-
tion of Mineral Resources] |
| | | Rech. transp.
(17b) | Rechnoy transport [Inland Water Transportation] |
| | | Ref. sbor. i
Ekon. prom.
(5b) | Referativnyi sbornik: Ekonomika promyshlennosti [Journal
of Abstracts: Economics of Industry] |
| | | Ref. zhur. i Avt.
dor. (16d) | Referativnyi zhurnal: Avtomobil'nyye dorogi [Journal of
Abstracts, Highways] |

| | | |
|--|--|--|
| Trudy Vych. me-
teor. tsentra
(13f) | Trudy Vych. me-
teor. tsentra
(13f) | Moscow Vychislitel'nyi meteorologicheskii tsentr. Trudy
[Computation Meteorological Center. Transactions] |
| Tsit. i gen.
(13c) | Tsit. i gen.
(13c) | Tsitologiya i genetika [Cytology and Genetics] |
| TSvet. met.
(16h) | TSvet. met.
(16h) | TSvetnye metally [Nonferrous Metals] |
| Tyl i snab.
Sov. Voor.
Sili (17a) | Tyl i snab.
Sov. Voor.
Sili (17a) | Tyl i snabzhenie Sovetskikh Vooruzhennykh Sil [The Feed
and Supply of the Soviet Armed Forces] |
| Uch. zap.
CHNIIIALIE
(14a) | Uch. zap.
CHNIIIALIE
(14a) | Chuvashskiy, Chuvashskii nauchno-issledovatel'skii institut
izyaka, literatury, istorii i ekonomiki. Uchenye zapiski
[Chuvash Scientific Research Institute of Language,
Literature, History, and Economics. Studies] |
| Uch. zap. GGPIIA
(11a) | Uch. zap. GGPIIA
(11a) | Gorkiy, Gosudarstvennyi pedagogicheskii institut inostran-
nykh yazykov. Uchenye zapiski [State Pedagogical
Institute of Foreign Languages. Studies] |
| Uch. zap. IIIAL
Dag. fil. AN SSSR
(1a) | Uch. zap. IIIAL
Dag. fil. AN SSSR
(1a) | Akademii nauk SSSR. Dagestanskii filial. Makhat khala.
Institut istorii, iazyka i literatury. Uchenye zapiski
[Academy of Sciences of the U.S.S.R. Dagestan Branch
Institute of History, Language, and Literature. Studies] |
| Uch. zap. Kost.
gos. ped. inst
(1a) | Uch. zap. Kost.
gos. ped. inst
(1a) | Koshima Gosudarstvennyi pedagogicheskii institut.
Uchenye zapiski [State Pedagogical Institute. Studies] |
| Uch. zap. MGPI
(1a) | Uch. zap. MGPI
(1a) | Moscow Moskovskii gosudarstvennyi pedagogicheskii insti-
tut Uchenye zapiski [Moscow State Pedagogical Institute
Studies] |
| Uch. zap. Moid.
gos. un. (1a) | Uch. zap. Moid.
gos. un. (1a) | Saransk. Mordovskii gosudarstvennyi universitet. Uchenye
zapiski [Mordvinian State University. Studies] |
| Uch. zap. Ped.
inst. Gerts.
(1a) | Uch. zap. Ped.
inst. Gerts.
(1a) | Leningrad Gosudarstvennyi pedagogicheskii institut imeni
A. I. Gertsena. Uchenye zapiski [A. I. Herzen State
Pedagogical Institute. Studies] |
| Uch. zap. TGU (1a) | Uch. zap. TGU (1a) | Tomsk. Universitet. Uchenye zapiski [University.
Studies] |
| Uch. zap. Ulian.
gos. ped. inst
(1a) | Uch. zap. Ulian.
gos. ped. inst
(1a) | Ulyanovsk Gosudarstvennyi pedagogicheskii institut. Uche-
nye zapiski [State Pedagogical Institute. Studies] |
| Ugol' (16h) | Ugol' (16h) | Ugol' [Coal] |
| Ukr. bol. zhur.
(13c) | Ukr. bol. zhur.
(13c) | Ukrains'kii botanicheskii zhurnal [Ukrainian Botanical
Journal] |
| Ukr. mat. zhur.
(13c) | Ukr. mat. zhur.
(13c) | Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical
Journal] |
| Usp. fiz. nauk
(13f) | Usp. fiz. nauk
(13f) | Uspekhi fizicheskikh nauk [Progress in the Physical Sci-
ences] |
| Usp. khim. (13d) | Usp. khim. (13d) | Uspekhi khimii [Progress in Chemistry] |
| Usp. sovr. biol.
(13c) | Usp. sovr. biol.
(13c) | Uspekhi sovremennoi biologii [Progress in Contemporary
Biology] |
| Uzb. biol. zhur.
(13c) | Uzb. biol. zhur.
(13c) | Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal] |
| V mire knig
(2a) | V mire knig
(2a) | V mire knig [In the World of Books] |
| Vech. sred.
shkola (8a) | Vech. sred.
shkola (8a) | Vecherniaia sredniaia shkola [Evening Secondary School] |
| Ved. Veikh.
Sov. RFSSR
(7) | Ved. Veikh.
Sov. RFSSR
(7) | Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti
[Supreme Soviet. Gazette] |
| Ved. Veikh.
Sov. SSSR
(7) | Ved. Veikh.
Sov. SSSR
(7) | Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti
[Supreme Soviet. Gazette] |
| Vest. AMN SSSR
(14a) | Vest. AMN SSSR
(14a) | Akademii meditsinskikh nauk SSSR, Moscow. Vestnik
[Academy of Medical Sciences of the U. S. S. R. Journal] |
| Vest. AN Kazakh.
SSR (1a) | Vest. AN Kazakh.
SSR (1a) | Akademii nauk Kazakhskoi SSR, Alma-Ata. Vestnik
[Academy of Sciences of the Kazakh S. S. R. Journal] |
| Vest. AN SSSR
(1a) | Vest. AN SSSR
(1a) | Akademii nauk SSSR. Vestnik [Academy of Sciences of
the U. S. S. R. Journal] |
| Vest. khir.
(14h) | Vest. khir.
(14h) | Vestnik khirurgii [Review of Surgery] |
| Vest. LOU
(1a) | Vest. LOU
(1a) | Leningrad. Universitet. Vestnik [University. Review] |
| Vest. mashino-
str. (16g) | Vest. mashino-
str. (16g) | Vestnik mashinostroyeniia [Machinery Manufacture Review] |
| Vest. Mosk. un.
Ser. 2: Khim.
(13d) | Vest. Mosk. un.
Ser. 2: Khim.
(13d) | Moscow. Universitet. Vestnik. Seriya 2: Khimiia [Uni-
versity. Review. Series 2: Chemistry] |
| Vest. Mosk. un.
Ser. 3: Fiz. i
astron. (13f) | Vest. Mosk. un.
Ser. 3: Fiz. i
astron. (13f) | Moscow. Universitet. Vestnik. Seriya 3: Fizika, astrono-
miia [University. Review. Series 3: Physics, Astrono-
my] |
| Vest. Mosk. un.
Ser. 4: Geol.
(12c) | Vest. Mosk. un.
Ser. 4: Geol.
(12c) | Moscow. Universitet. Vestnik. Seriya 4: Geologiya [Uni-
versity. Review. Series 4: Geology] |
| Vest. Mosk. un.
Ser. 5: Geog.
(12b) | Vest. Mosk. un.
Ser. 5: Geog.
(12b) | Moscow. Universitet. Vestnik. Seriya 5: Geografiia
[University. Review. Series 5: Geography] |
| Vest. Mosk. un.
Ser. 8: Filos.
(3a) | Vest. Mosk. un.
Ser. 8: Filos.
(3a) | Moscow. Universitet. Vestnik. Seriya 8: Filosofiiia
[University. Review. Series 8: Philosophy] |
| Vest. Mosk.
un Ser. 10:
Filol. (11a) | Vest. Mosk.
un Ser. 10:
Filol. (11a) | Moscow. Universitet. Vestnik. Seriya 10: Filologiya
[University. Review. Series 10: Philology] |

| | | | |
|--|--|---|--|
| Vest Mosk un.
Ser 12-
Pravo (7) | Moscow Universitet Vestnik Seriya 12 Pravo [University
Review, Series 12 Law] | Vsem. prof.
dvizh. (5d) | Vsemnoe profslozhnoe dvizhenie [World Trade-Union
Movement] |
| Vest. ob-
shchestv
nauk AN
Arm SSR
(1a) | Akademija nauk Aimalanskoi SSR, Erivan Vestnik ob-
shchestvennykh nauk [Academy of Sciences of the
Armenian S.S.R. Review of Social Sciences] | Vych. seism
(12b) | Vychislitel'naya seismologiya [Computer Seismology] |
| Vest. protivovozr.
oboi. (17a) | Vestnik protivovozrastnoi oborony [Air Defense Review] | Vych. sist
(13e) | Vychislitel'nye sistemy [Computer Systems] |
| Vest sel'khoz
nauki (15a) | Vestnik sel'skokhoziaistvennoi nauki [Review of Agri-
cultural Science] | Vysotom. soed.
Ser. A (13d) | Vysokomolekulyarnye soedineniya Seriya A [Macromolecular
Compounds, Series A] |
| Vest sel'khoz
nauki [Kazakh] (15a) | Vestnik sel'skokhoziaistvennoi nauki [Review of Agri-
cultural Science] Kazakhstan | Za tekhn. prog.
(16a) | Za tekhnicheskii progress [For Technological Progress] |
| Vest. stat.
(5b) | Vestnik statist. [Statistical Review] | Zakup. sel'khoz
prod. (5a) | Zakupki sel'skokhoziaistvennykh produktov [Purchases of
Agricultural Products] |
| Vest. svyazi
(16e) | Vestnik svyazi [Communications Review] | Zap. LGI (16h) | Leningrad. Gornyi institut Zapiski [Institute of Mining.
Records] |
| Vest. vyssh.
shkoly (8a) | Vestnik vysshikh shkol [Review of Schools for Higher Educa-
tion] | Zap. Vses. min
ob-va (12c) | Vsesoluznoe mineralogicheskoe obshchestvo, Zapiski
[All-Union Mineralogical Society Annals] |
| Vest. AN BSSR
Ser. biol. nav
(13c) | Akademija nauk BSSR, Minsk. Vest. Seriya biologich-
nykh nauk [Academy of Sciences of the White Russian
S.S.R. Bulletin Series in the Biological Sciences] | Zashch. mel.
(16h) | Zashchita metallov [Metals' Protection] |
| Visnyk L'viv.
un. Ser. geog
(12b) | L'viv. Universitet Visnyk Seriya geografichna [Univer-
sity Review Geographical Series] | Zashch. rast
(15d) | Zashchita rastenii [Protection of Plants] |
| Vnesh. toig.
(5a) | Vneshnaya torgovlia [International Trade] | Zashch. rast
[Kiev] (15d) | Zashchita rastenii [Protection of Plants] Kiev. |
| Voen.-ist. zhur.
(4a) | Voenno-istoricheskii zhurnal [Military History Journal] | Zav. lab (16h) | Zavodskaya laboratoriya [The Factory Laboratory] |
| Voen.-med. zhur.
(14a) | Voenno-meditsinskii zhurnal [Journal of Military Medicine] | Zem. i
vsel (13b) | Zemlja i vseennaya [Earth and the Universe] |
| Vop. fil. s. (3a) | Voprosy filosofii [Problems of Philosophy] | Zemledelie (15d) | Zemledelie [Agriculture] |
| Vop. geog. (12b) | Voprosy geografii [Problems of Geography] | Zhil. stroit. (16d) | Zhilyshchnoe stroitel'stvo [Housing Construction] |
| Vop. iaz. (11a) | Voprosy iazykoznanija [Problems of Linguistics] | Zhur. eksp. i
klin. med. (14a) | Zhurnal eksperimental'noi i klinicheskoi meditsiny [Journal
of Experimental and Clinical Medicine] |
| Vop. ist. (4a) | Voprosy istorii [Problems of History] | Zhur. eksp. i
teor. fiz. (13f) | Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal
of Experimental and Theoretical Physics] |
| Vop. ist. KPSS
(d) | Voprosy istorii KPSS [Problems in the History of the
CPSU] | Zhur. mikrobiol.,
epid. i immun. (14a) | Zhurnal mikrobiologii, epidemiologii i immunologii
[Journal of Microbiology, Epidemiology, and Immuno-
biology] |
| Vop. izob. (16a) | Voprosy izobretatel'stva [Problems of Invention] | Zhur. nauch. i
prikl. fot. i
kin. (16e) | Zhurnal nauchnoi i prikladnoi fotografii i kinematografii
[Journal of Scientific and Applied Photography and Cinema-
tography] |
| Vop. kur.,
fizioter.,
i tech. fiz.
kul't. (14e) | Voprosy kurortologii, fizioterapii i leichesnoi fizicheskoj
kul'tury [Problems of Health Resort Therapy, Physical
Therapy, and Exercise Therapy] | Zhur. o s
khim. (13d) | Zhurnal obshchei khimii [Journal of General Chemistry] |
| Vop. med. khim.
(14f) | Voprosy meditsinskoi khimii [Problems of Medical Chem-
istry] | Zhur. prikl.
khim. (16c) | Zhurnal prikladnoi khimii [Journal of Applied Chemistry] |
| Vop. nauch
atletiz. (3b) | Voprosy nauchnogo atletizma [Problems of Scientific
Athletism] | Zhur. strukt.
khim. (13d) | Zhurnal strukturalnoi khimii [Journal of Structural Chem-
istry] |
| Vop. neirokhir.
(11h) | Voprosy neirokhirurgii [Problems of Neurosurgery] | Zhur. tekhn. fiz.
(16a) | Zhurnal tekhnicheskoi fiziki [Journal of Technical
Physics] |
| Vop. psikhol
(3a) | Voprosy psikhologii [Problems of Psychology] | Zhur. vych.
mat. i mat.
fiz. (13e) | Zhurnal vychislitel'noi matematiki i matematicheskoi
fiziki [Journal of Computer Mathematics and Mathemat-
ical Physics] |
| Vop. truda (5d) | Moscow. Nauchno-issledovatel'skii institut truda. Voprosy
truda [Labor Research Institute. Problems of Labor] | Zool. zhur.
(13c) | Zoologicheskii zhurnal [Zoological Journal] |

ACETYLENE (Continued)

- Explosiveness of acetylene mixture with vapors of saturated monatomic alcohols. M. A. Glukin, S. M. Kozarko, I. I. Strizhevskii. Khim. prom. 42 no. 11 24-25 N '65.
- Halocetylenes. K. M. Smirnov, A. P. Tomilov, A. I. Shebekotikhin. Usp. khim. 36 no. 5 777-802 My '67.
- Investigating formation of acetylene from methane in hydrogen plasma jet at atmospheric and elevated pressures. G. I. Kozlov, G. N. Khudakov, I. U. N. Kobzev. Neftekhimika 7 no. 2 224-231 M-Ap '67.
- Preparation of acetylene by oxidizing pyrolysis of methane. V. U. Shevchuk, I. M. Romanuk. Gaz. prom. 12 no. 5-19 My '67.
- Preparation of bicyclo [2, 2, 1] hepta-2, 5-diene by condensation of cyclopentadiene with acetylene without use of stabilizer. M. A. Prizhvalova and others. Izv. AN SSSR, Ser. khim. no. 5 1127-1129 My '67.
- Production of acetylene in the main capitalist countries. I. U. A. Turov, G. A. Pashina. Khim. i tekhn. topl. i masel 12 no. 5 61-63 My '67.
- Pyrolysis of liquid hydrocarbons to ethylene and acetylene using gaseous heat carrier under pressure. A. A. Anisimov and others. Neftekhim. no. 2 40-42 '67.
- Pyrolysis of propane-butane mixture in jet plasma. A. I. Saitis, S. N. Sholikhin. Khim. i tekhn. topl. i masel 12 no. 5 61-63 My '67.
- Removal of nitric oxide from coke-oven gas and acetylene by catalytic hydrogenation. T. A. Semenova and others. Khim. prom. 42 no. 9-11-14 S '66.
- Use of an electronic digital computer for solution of a system of differential equations for methane pyrolysis in a high temperature gas jet taking acetylene quenching into account. I. S. Polak, I. U. L. Khali, F. N. Chevachukhin. Khim. i tekhn. topl. i masel 12 no. 3, 275-280 My-Je '67.

ACETYLENE COMPOUNDS

- Acetylenic alcohols and amines of the diphenyl oxide series. M. S. Shvartsberg and others. Izv. AN SSSR Ser. khim. no. 4 805-808 Ap '67.
- Chemistry of polyene and polyacetylene compounds. Report No. 21. Synthesis of some types of vinylpolyacetylene acids. A. R. Derzhinskii, M. V. Mavrov, V. I. Kucherov. Izv. AN SSSR, Ser. khim. no. 4 866-871 Ap '67.
- Chemistry of polyene and polyacetylene compounds. Report No. 22. General path of synthesis of mono- and dicarboxylic acids of the polyacetylene series. A. R. Derzhinskii, M. V. Mavrov, V. I. Kucherov. Izv. AN SSSR, Ser. khim. no. 1 872-877 Ap '67.
- Comparative reactivity of nitril and nitrile derivatives of aluminum. I. I. Zakharukin, V. V. Gavrilenko, I. I. Ivanov. Zhur. ob. khim. 37 no. 5 992-997 My '67.
- Highly unsaturated polymers. Report No. 22. Directed synthesis of oligomers displaying the properties of solubility, infusibility, heat resistance, and electric resistance. I. I. Kollinavskii, V. S. Zaslavskii, N. M. Gubenkova. Izv. AN SSSR, Ser. khim. no. 4 900-901 Ap '67.
- Organometallic polymers with acetylenic bonds in the chain. L. K. Innova, A. M. Bladkov, V. V. Kozlovskii. Vysokom. soed. Ser. A 9 no. 4 910-914 Ap '67.

ACIDS

- Experimental study of density and pressure saturation of acid. A. M. Mamedov, T. S. Akhundov, N. N. Asadullayeva. Teploenergetika 14 no. 5 81-82 My '67.
- Iron dissolution in a mixture of hydrochloric and nitric acids. I. P. Anoshchenko. Zashch. met. 3 no. 3 137-148 My-Je '67.

ACIDS—EFFECT ON PLANTS see Plants, Effect of acids on

ACIDS, FATTY

- Analysis of the soap mass after carbonated saponification of oxidized paraffin. M. P. Bessilov and others. Masl. i zhir. prom. 33 no. 4 21-22 Ap '67.
- Chemistry of natural fatty acids with a conjugated system of double bonds. V. D. Solodovnik. Usp. khim. 36 no. 4: 656-661 Ap '67.
- Composition of the fatty acids of collinsed oil during the early period of ripening. S. V. Skvortsova, R. R. Rakhimov, A. G. Vereshchagin. Dokl. AN Uz. SSR 23 no. 7, 57-58 '65.
- Effect of adrenal hormones, starvation and alloxan diabetes on the content of free fatty acids in the plasma of rat embryos and newborn. W. Haude. Pat. fiziol. i eksp. terap. 12 no. 1148-51 Ja-F '67.
- Extracting bifunctional acids from sludge and wash waters. T. S. Etkina, V. I. Babaev. Masl. i zhir. prom. 33 no. 4. 30-39 Ap '67.
- Reduction of saturated dibasic acids on copper-chromium and zinc-chromium catalyst. V. V. Gromova, V. A. Proskuriakov, V. I. Iakovlev. Zhur. prikl. khim. 40 no. 3 542-544 M-Ap '67.
- Separation of the oxidation products of paraffin hydrocarbon with selective solvents. I. A. Makarov and others. Khim. prom. Ukr. no. 5 16-18 S-O '66.
- Synthesis and properties of esters of α, β -dimethylalkanoic acids and saturated monoalkanoic hydric alcohols. K. V. Puzitskii and others. Neftekhimika 7 no. 2, 280-285 M-Ap '67.

ACIDS, INORGANIC

- Effect of the structure of a link of various polyamides on their chemical resistance to acids. A. A. Izyneev, N. Sh. Aidarova, Trudy BKNII no. 20 77-85 '66.

ACIDS, ORGANIC

- α -Difluoroaminoperfluorocarboxylic acids and their derivatives. R. A. Bekker, B. I. Diatkin, I. L. Krunants. Izv. AN SSSR Ser. khim. no. 5 1060-1065 My '67.
- Chemistry of polyene and polyacetylene compounds. Report No. 22. General path of synthesis of mono- and dicarboxylic acids of the polyacetylene series. A. R. Derzhinskii, M. V. Mavrov, V. I. Kucherov. Izv. AN SSSR, Ser. khim. no. 4 872-877 Ap '67.
- Comparative characteristics of the salting-in and salting-out action of potassium formate in aqueous solutions of formic, acetic, propionic and butyric acids. I. Ciparis, R. Adomas. Izv. vys. ucheb. zav., khim. i tekhn. topl. i masel 12 no. 2 160-162 '67.
- Electrolysis of diesters of higher unsaturated dicarboxylic acids. M. A. Fiosh and others. Khim. prom. 42 no. 11 4-8 N '66.
- Features of rare earth metal separation by carboxylic acids in the presence of complex-forming agents. I. N. Plakina, V. S. Sitnikova, I. U. S. Fedotov. Dokl. AN SSSR 174 no. 1-162-165 My '67.
- Licetochain polyesters. Report No. 84. Mixed block polyarylates based on penta-, biphenols, and acid chlorides of aromatic dicarboxylic acids. S. V. Vinogradova and others. Izv. AN SSSR, Ser. khim. no. 4 885-900 Ap '67.
- Mechanism of coal formation during decomposition of acetic and formic acids on silica gel. A. P. Rudenko and others. Izv. AN SSSR, Ser. khim. no. 4 881-888 Ap '67.
- Orienting effect of carboxylate group in the system cyclopentadienyl manganese tetraborate. D. N. Kuzanov and others. Izv. AN SSSR, Ser. khim. no. 4 915-916 Ap '67.
- Phosphorylated oximes. Part 3. Reaction of esters of α -chloro- α -nitrocarboxylic acids with tertiary phosphites. I. V. Matynov, I. U. L. Krugliak, Zhur. ob. khim. 37 no. 5 1132-1134 My '67.
- Producing higher unsaturated acids from industrial fractions of α -olefins. I. U. T. Gornash, V. A. Seirov, V. T. Skliar. Khim. i tekhn. topl. i masel 12 no. 5 21-23 My '67.

ACRYLAMIDE

- Electronic structure of acrylamide. B. I. Atabinder, Z. V. Zvonkova, G. S. Zhdanov. Dokl. AN SSSR 174 no. 1 115-116 My '67.
- Reaction of chlorophosphines with acrylamide. A. N. Pudovik, V. K. Khairullin, T. I. Sobchuk. Dokl. AN SSSR 174 no. 1 104-106 My '67.

ACRYLIC ACID

- Kinetics of particle growth in the course of polymerization as a factor of acrylate latex stability. V. I. Eliseeva and others. Vysokom. soed. Ser. A 9 no. 4 730-738 Ap '67.
- Reaction of some alkylalkoxychlorophosphines with acrylic acid. V. K. Khairullin, M. A. Vasilina, A. N. Pudovik. Izv. AN SSSR, Ser. khim. no. 4 950-952 Ap '67.
- Separation of esterification catalysts of acrylic acid. M. A. Logina, A. F. Frolov, B. I. Pantukh. Khim. prom. 42 no. 9 334-37 S '66.
- Vapor-phase graft polymerization of acrylic acid on capron fibers. E. F. Merivichenko, A. A. Kachan, L. L. Chevalisova. Khim. prom. Ukr. no. 3 17-19 My-Je '67.

ACRYLONITRILE

- Determination of ammonium chloride in the catalyst for the synthesis of acrylonitrile. N. I. Labinskaya, V. I. Nozova. Zav. lab. 33 no. 3 286 '67.

- New synthesis of phosphates and phosphinates. Part 2. Acrylonitrile as acceptor of hydrogen chloride in the synthesis of esters of pentavalent phosphorus acids. N. K. Blizniuk and others. Zhur. ob. khim. 37 no. 5 1119-1122 My '67.
- New synthesis of phosphates and phosphinates. Part 3. Acrylonitrile as acceptor of hydrogen chloride in the synthesis of esters of pentavalent phosphorus acyl chlorides. N. K. Blizniuk and others. Zhur. ob. khim. 37 no. 5 1122-1125 My '67.
- Production of acrylonitrile by hydrocyanation of acetylene with the dispersion of the catalyst in the gaseous phase. T. I. Uzhrenko and others. Izv. vys. ucheb. zav., khim. i tekhn. topl. i masel 12 no. 2 224-230 '67.

ACRYLONITRILE POLYMERS

- Effect of initiation conditions on polymerization degree of graft polyacrylonitrile and conversion degree of cellulose in the synthesis of graft polymers of cellulose using monomer vapors in the presence of ammonium persulfate. B. P. Morin, R. M. Livshits, Z. I. Rogovin. Vysokom. soed. Ser. A 9 no. 4 857-862 Ap '67.
- Effect of solvent nature and precipitant composition on polyacrylonitrile behavior. M. P. Zverev and others. Vysokom. soed. Ser. A 9 no. 4 827-931 Ap '67.

ACTING

- Much is demanded of an actor. S. Glaisimova. Semla i shkola 22 no. 5 50-51 My '67.

ACTING FOR TELEVISION

- The announcer or the actor? K. Per-Ovanesian. Sov. radio i tel. 18 no. 4 17 Ap '67.
- Does a television actor exist? A. Svobodin. Sov. radio i tel. 16 no. 2 16-18, 38 F '67.
- Props and authenticity, an interview with Sergio Zakariadze. Sov. radio i tel. 16 no. 12-14 Ja '67.

ACTINOMETRY see subdivision under Atlantic Ocean

ACTINOMYCES see subdivision under Georgia

ACTINOMYCES—CULTURES AND CULTURE MEDIA

- Effect of 11 compounds on pigment formation in red-orange actinomycetes. N. F. Kirillova. Mikrobiologiya 36 no. 2 274-278 M-Ap '67.
- Enzymatic activity of intact conidia of actinomycetes. L. V. Kalkutskii, M. I. Duzina. Mikrobiologiya 36 no. 2 279-283 M-Ap '67.
- Microcosmospora gen. nov., a new genus of actinomycetes. I. O. Konev and others. Mikrobiologiya 36 no. 2 309-317 M-Ap '67.
- Nature of some pigment antibiotics of Actinomycetes with orange-red and violet substrate mycelium. M. A. Sveshtnikova, T. P. Preobrazhenskaya, N. O. Blinov. Antibiotiki 12 no. 5 380-391 My '67.
- Preparation and nucleic acid base composition of actinophage of Actinomycetes streptomycini Kras. Z. M. Kochkina, I. A. Rantenshein. Mikrobiologiya 36 no. 2 280-293 M-Ap '67.
- Radioautographic study of the reproduction of nuclear elements in Actinomycetes antibiotics. O. N. Kapitonova, A. B. Iordanskii. Mikrobiologiya 36 no. 2 284-289 M-Ap '67.
- Synthesis of group B vitamins by soil actinomycetes. E. I. Andriash, S. B. Kogan. Mikrobiologiya 36 no. 2 227-232 M-Ap '67.
- Use of diffusion methods in primary selection of antineoplastic antibiotics. L. P. Ivanitskaya, G. D. Uptier. Antibiotiki 12 no. 5 369-375 My '67.

ACTINOMYCIN—PHYSIOLOGICAL EFFECT

- Characteristics of embryogenesis of mammals in block of RNA synthesis, experiments with actinomycin D in rats. A. P. Dyban, I. M. Akimova. Arkh. anal. i gist. i embr. 52 no. 5 36-50 My '67.

ACTIVATION ENERGY

- Activation energy and factor determining the graphitization of white cast iron. F. K. Tkachenko, T. M. Tkachenko. Izv. AN SSSR, Met. no. 3 109-112 My-Je '67.
- Calculation of rate constants for elementary reactions. Report No. 1. Some regularities associated with pre-exponential factors and activation energy. L. I. Avramenko, R. V. Kolesnikova. Izv. AN SSSR, Ser. khim. no. 5: 896-1003 My '67.
- Correlation between proton spin-lattice relaxation and intramolecular vibrations in liquid n -alcohols $C_2 - C_{10}$. S. Kh. G. Kashayev, N. K. Galst. Dokl. AN SSSR 173 no. 6 1374-1377 Ap '67.
- Estimate of the activation energy for processes of migration of metal-carbon bond in α -cyclopentadienyl metal compounds. G. A. Shchembelov, I. U. A. Ustyniuk. Dokl. AN SSSR 173 no. 6 1364-1366 Ap '67.
- Kinetics of the transport reaction of boron phosphide with iodine. I. A. Kh. Grinberg. Izv. AN SSSR, Neorg. met. 3 no. 5 797-801 My '67.

ACTIVITY COEFFICIENTS

- Activity and rational coefficients of the activity of water in solutions of potassium nitrate and sodium nitrate at 1, 25, 50, and 75° in a wide range of concentrations. L. P. Shipilov, K. P. Mischenko, Zhur. prikl. khim. 40 no. 3 680-682 M-Ap '67.

ACTIVITY PROGRAMS IN EDUCATION

(see also subdivision under Kozlovskiy)

Development of activity and independence as the chief factor in the training of students. Sh. I. Gornel'm. Vychisl. Ped. Inst. Gorky. no. 297-298. My '66

Development of activity and self-reliance of students in the course of instruction in public and private secondary schools in Russia based on the material of St. Petersburg schools. N. S. Zerkov. Vychisl. Ped. Inst. Gorky. no. 297-298. My '66

Training students in research skills. G. A. Hromov. Rad. shkol. no. 5-6. 31-33. My '67

ACTORS

Prop and authentic, an interview with Sergei Zolotarev. Sov. rad. shkol. no. 12-14. Fe '67

A sketch about the actor and the movie, an interview with Mikhail Tikhonov. Sov. rad. shkol. no. 11-12. Ja '67

The unusual in the usual. H. Kurbatov. Sov. rad. shkol. no. 5-6. 30-32. My '67

ACYLATION

Reaction of phosphorus pentachloride with α -acylaminic acids. L. N. Zhuravskiy, A. I. Mochalov. Zhuravskiy khim. 57. no. 1-2. 66-68. Ap '67

ADAMELLITE see subdivision under Chalkal Range

ADAMS-STOKES SYNDROME

Experimental study of Morgan-Adams-Stokes syndrome. F. B. Babitskiy, V. S. Kabanov. Pat. fiziol. i eksp. ter. 11. no. 1-2. 17-18. Ja '67

First observations on patients with chronic radiofrequency stimulation of the heart. M. B. Taitakovskiy and others. Kardiologiya. 7. no. 3. 107-111. Mi '67

ADAPTATION (BIOLOGY)

Compensatory changes in hemolymphatic bones during isolation of the pleura in white rats. I. V. Kadiyov, A. A. Chumachenko. Biol. eksp. ter. 61. no. 6. 101-103. Ja '67

Process of adaptation to hot climate in swimming under low latitudinal conditions. G. N. Nurovskiy. Voen.-med. zhurn. no. 5. 57-60. My '67

Significance of physical culture and hardening for elderly persons. D. Korshakov, St. Kadyr, B. Ivanova. Voprosy fizioter. i lekhn. bul. 32. no. 2. 133-136. Mi '67

ADAPTIVE CONTROL SYSTEMS

Deterministic adaptive systems. V. G. Chukalov. Prikl. sist. avtom. no. 4. 76-86. '66

Study of an adaptive system with a correlator. V. P. Teplov. Prikl. sist. avtom. no. 4. 66-77. '66

ADDITION REACTIONS

Addition of nucleophilic reagents to diethyl esters of α , β -dimethyl- α -keto phosphonic acid. A. N. Fedovskiy, N. G. Khramova, T. A. Abuladina. Zhuravskiy khim. 37. no. 4. 800-804. Ap '67

Cyclic acetals of dichloroketene in reactions of electrophilic addition. M. P. Shostakovskiy and others. Dokl. AN SSSR. 173. no. 6. 1360-1363. Ap '67

ADDITIVE PROCESS (PROBABILITY THEORY) see Random walks (Mathematics)

ADEN—FOREIGN RELATIONS—GREAT BRITAIN

Solidarity with the workers and people of Aden. Vsevolod. prof. dvizh. no. 2. 18-21. Mi '67

ADEN—POLITICS AND GOVERNMENT

A fire-spitting volcano. G. Savin, Mezhdunar. zhurn. 11. no. 6. 114. '67

Solidarity with the workers and people of Aden. Vsevolod. prof. dvizh. no. 2. 18-21. Mi '67

ADEN, GULF OF—BACTERIA, HETEROTROPHIC

Quantitative distribution of heterotrophic bacteria in the Red Sea and Gulf of Aden during fall season. I. A. Amsharovskiy. Gidrobiol. zhurn. 3. no. 3. 14-20. '67

ADHESIVES

Effect of solidification conditions on the physical and mechanical properties of glued joints. A. M. Chistiakov and others. Plast. massy. no. 5. 51-55. '67

ADHESIVES—TESTING

Durability of the adhesion of polymers to metals in water. E. E. Vilkh. Plast. massy. no. 5. 65-68. '67

ADMINISTRATION OF CRIMINAL JUSTICE see Criminal justice, Administration of

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE LAW

Some characteristics of the presentation of evidence in cases arising from the relations governed by administrative law. A. I. Bonner. Trudy Irtut. 39. 39-51. '65

ADMINISTRATIVE PROCEDURE

Implementation of the legal norms of administrative procedure. A. D. Stetsin. Vech. i G. 22. no. 5. 94-101. Mi '67

ADOLESCENCE

A sharp turn. S. Mironov. Simfonia shkol. 22. no. 5. 1-5. 30. '67

Conversations at lunch. I. Orlovskiy. Simfonia shkol. 22. no. 5. 16-17. Mi '67

ADONIS

Biochemical changes in Adonis vernalis L. seeds during the preparation for germination. I. N. Pervozvazhskiy, A. A. Babitskiy, N. K. Doblyavskiy, I. I. Polukhov. Biol. eksp. ter. 61. no. 1. 97-100. Ja '67

ADRENAL CORTEX

Effect of the level of the adrenocorticotrophic hormone of the hypophysis on regenerative processes in the adrenal cortex. A. I. Polukhov, A. K. Kuznetsov. Biol. eksp. ter. 62. no. 5. 17-23. My '67

Some indices of the functional state of the adrenal cortex and electrolyte metabolism in hypertensive crises. I. S. Kudryashova and others. Kardiologiya. 7. no. 3. 27-31. Mi '67

ADRENAL CORTEX—SURGERY

Restorative processes in the adrenal cortex under the effect of ACTH and pituitrin. A. I. Polukhov. Biol. eksp. ter. 61. no. 1. 63. no. 6. 33-37. Ja '67

ADRENAL GLANDS

Acetone acid content in the adrenal glands and some ecological and physiological characteristics of lesser fish. V. P. Kozlovskiy. Biol. MOIP. Old biol. 72. no. 2. 12-16. Mi '67

Catecholamines in the adrenal glands and blood in rats following denervation. N. A. Smirnov, I. V. Fylov. Prikl. fiziol. i eksp. ter. 11. no. 1. 59-63. Ja '67

ADRENAL GLANDS—SURGERY

Effect of adrenalectomy on the formation of a tubercular immunity to infection in white rats. V. M. Kuznetsov. Trudy Mosk. univ. 1. 51, med. i biol. 17. 38-43. '61

ADRENALINE—PHYSIOLOGICAL EFFECT

Effect of a physiologically active substance, exerted by trophoblasts, on the influence of adrenaline on the sensitivity of adrenergic receptors of the myocardium. F. G. Putintseva, I. I. Ilyin, I. I. Ilyin. 51. no. 5. 550-556. My '67

ADRENERGIC AGENTS see Sympathomimetic agents

ADRENERGIC BLOCKING AGENTS see Sympatholytic agents

ADRENOCORTICAL HORMONES

Changes in the mineral and protein metabolism in cartilage tissue under the following continuous administration of hydrocortisone, DCA and ACTH. Z. V. Zakharenko. Pat. fiziol. i eksp. ter. 11. no. 1. 53-58. Ja '67

Exchange of adrenal cortex hormones between blood plasma and individual tissues in rats under normal conditions and in short resulting from compression of soft tissues. A. I. Ruban. Pat. fiziol. i eksp. ter. 11. no. 1. 51-55. Ja '67

ADSORBENTS

Effect of adsorbent nature and properties of oil-soluble solution on adsorption selectivity. V. S. Komarov, A. T. Rozin. Dokl. AN SSSR. 11. no. 4. 338-341. Ap '67

ADSORPTION

Adsorption refining of oil fractions of Tuzmazy petroleum. F. G. Khramov, N. G. Kuznetsov, I. I. Gaidarov, N. K. Kuznetsov. no. 2. 17-21. '67

Calculating adsorption process. S. M. Volodko. Izv. vuz. ucheb. zav. no. 1. 10-14. '67

Calculation of a counter-current adsorption with a moving layer of the adsorbent. I. A. O. Kravtsov and others. Sakh. prom. 41. no. 5. 17-21. My '67

Density distribution of adsorbed water in disperse media. P. P. Olovskiy, I. I. Ilyin. 12. no. 4. 496-502. Ap '67

Dynamics of continuous adsorption and desorption in a fluidized bed in case of a nonlinear isotherm. O. M. Todor, I. U. S. Ilyin. Khim. i tekhn. 12. no. 5. 21-27. My '67

Effect of the surface condition and volume of TiO₂ on the dissociation adsorption of N₂O. Z. Dzevenitskiy. Khim. i tekhn. 8. no. 2. 415-420. Mi '67

Examination of phase transitions in adsorbed water by means of nuclear magnetic resonance. V. I. Kivildze, A. I. Kiselev, Zhuravskiy khim. 8. no. 2. 221-226. Mi '67

Hydrogen adsorption on platinumized platinum in the presence of chemisorbed saturated alcohols and aldehydes. B. I. Poddorzhnikov, V. P. Stennin. Elektr. khim. 3. no. 5. 649-653. My '67

Hydrogen adsorption on platinum with varying degree of dispersity. R. V. Marvet, O. A. Petlii. Elektr. khim. 3. no. 5. 591-599. My '67

General regularities observed on the differential curves in the presence of a linear dependence of the attraction constant on the electrode potential. H. H. Damastin, S. L. Dalkina. Elektr. khim. 3. no. 5. 31-36. My '67

Kinetics of regularities of radiation-induced elemental oxygen on a γ -MgO surface. I. U. Kollonitskiy, N. N. Masterova. Khim. i tekhn. 8. no. 2. 40-41. My '67

Study of the catalytic oxidation of hydrogen on silver in means of adsorption calorimetry. V. I. Olovskiy. Khim. i tekhn. 8. no. 2. 371-378. Mi '67

Vapor-phase adsorption of POCl₃ and PCl₃ on aluminum oxides from methyl chloride. A. N. Popyov, A. I. Zhuravskiy. 10. no. 3. 686-689. Mi '67

Various forms of adsorption of isopropyl alcohol on aluminum oxide as indicated from infrared absorption spectra. V. I. Lakstein, L. I. Ilyin, A. M. Rubin. Dokl. AN SSSR. 174. no. 1. 111-114. My '67

ADULT EDUCATION

(see also subdivision under Bashkiri, Poland, Siberia, Western)

Organization of the work of an educational consultant center. N. D. Shchegolevskiy. Vychisl. shkol. 10. no. 3. 88. My-Jc '67

ADVERTISING

Effectiveness of trade advertising. R. Sorokin. Sov. i zar. 10. no. 5. 56-60. My '67

ADVERTISING—PSYCHOLOGICAL ASPECTS see Psychological division under United States

ADYGE AUTONOMOUS PROVINCE—CORRESPONDENT SCHOOLS AND COURSES

Methodological work. K. Khatambetov. Vychisl. shkol. 10. no. 3. 80-81. My-Jc '67

ADYGE LANGUAGE—PHONETICS

History of syllables in proto-Adyghe language. I. A. Lomtatidze. Sov. AN Gruz. SSR. 16. no. 2. 53-57. My '67

ADZHARISTAN—ORE DEPOSITS

Some new data on hydrothermal mineral deposits in Adzharia region. M. D. Kupadze, I. I. Akhmedov. Sov. AN Gruz. SSR. 16. no. 1. 135-142. Ap '67

AEGEAN SEA—ORE DEPOSITS

Iron, manganese, phosphorus, boron, aluminum in water in region of Santorin Volcano (Aegean Sea). A. Pushkina. Lit. i pol. i eksp. 10. no. 2. 87-96. Mi '67

AEGEAN SEA—WATER—COMPOSITION

Iron, manganese, phosphorus, boron, aluminum in water in region of Santorin Volcano (Aegean Sea). A. Pushkina. Lit. i pol. i eksp. 10. no. 2. 87-96. Mi '67

AERIAL GUNNERY—STUDY AND TEACHING

Training apparatus for gunners. P. I. Prokofyev. Voen. protivovozd. obsn. no. 10. 56-57. O '66

AERIAL PHOTOGRAMMETRY

Adjusting aerial photogrammetric nets with resection of stadiometer, radar altimeter, and radio station. G. V. Romanovskiy, N. M. Filichagin. Geod. i kart. no. 1. 42. Ap '67

Automatic extension of fore-and-aft overlap of aerial photography. I. V. Ilyazov. Geod. i kart. no. 1. 41. Ap '67

Effect of color of the subject being photographed on photogrammetric refraction and image resolution. I. I. Kuznetsov. Izv. vuz. ucheb. zav. geod. i kart. no. 5. 2. 84. '66

Photogrammetric refraction. I. F. Kuznetsov. Geod. i kart. no. 11. 45-52. N '66

Practical aerial photogrammetric scale for making topographical maps using the universal method. I. I. Ilyazov. Geod. i kart. no. 5. 51-59. My '67

Results of using SPR-2 stereoplotter in photogrammetric building. N. A. Kozlovskiy. Geod. i kart. no. 11. 40-44. N '66

Using radar altimeter for reducing nets of graphic photogrammetry. V. M. Serdyukov. Izv. geod. i kart. 30-31. '65

AERIAL PHOTOGRAPHY IN GEOGRAPHY

(see also subdivision under Slovakia; Ukraine)

International survey of the interpretation of aerial photographic materials reflecting the occurrence of natural resources. V. L. Andonov. Izv. AN SSSR. Ser. geog. no. 3. 120-123. My-Jc '67

Use of punched cards in some sections of aerial photogrammetric standardization of landscapes. K. E. Nefedov, A. A. Kuznetsov. Dokl. Kom. po land. i kart. no. 1. 10. 1-65

AERIAL PHOTOGRAPHY IN GLACIOLOGY

Possibility of studying the characteristics of ice drift using aerial photography. I. U. Gorbunov. Prikl. ikt. i Amaki. no. 26. 57-60. '67

AERODYNAMICS

[Physics of aerodynamic noise] Fizika aerodinamicheskikh shumov. Moskva, Nauka, 1987 104 p

AERODYNAMICS, HYPERSONIC

Experimental investigation of a hypersonic jetted-gas flow about a sphere. I. S. Voinov. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 148-151 Mr-Apr '67.

Negative conductivity arising under the action of a hyper-sonic flux. I. M. Epstein. Pis'ma v zhur. eksp. i teoret. fiz. 5 no. 1, 235-237 Ap '67.

AERODYNAMICS, SUPERSONIC

Asymmetrical supersonic flow of an ideal gas past the frontal stagnation of a solid of revolution. I. G. Kozlov, A. N. Muntlov. Zhur. vych. mat. i mat. fiz. 7 no. 3, 594-603 My '67.

Calculating supersonic viscous flow near the stagnation line of a blunt body. B. M. Pavlov. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 131-110 Mr-Apr '67.

Calculating the two-dimensional supersonic flow about plane bodies. V. B. Minostev. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 125-133 Mr-Apr '67.

Investigating gas flow in the vicinity of the shock wave falling on a cylinder in a high-speed supersonic flow. M. P. Tetelin. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 145-147 Mr-Apr '67.

Investigating supersonic flow about axisymmetric bodies of various shapes. Z. D. Zuplanov. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 121-125 Mr-Apr '67.

Investigating the structure of the flow beyond a cone in a supersonic flow. R. A. Panov, A. I. Shvetz. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 140-113 Mr-Apr '67.

Method for calculating a supersonic flow past blunt-nosed bodies with a detached shock wave. S. M. Glinushin, G. F. Tikhonin, G. P. Lindakov. Shch. rab. Vts MGU no. 6, 173-205 '67.

Penetration of a plate in the half-plane of a supersonic flow. S. K. Bettaev. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 133-37 Mr-Apr '67.

AERODYNAMICS, TRANSONIC

Solving Chaplygin's equation in a plane-parallel transonic flow with a direct shock wave. I. B. Bosunov, N. Karybekov. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 118-120 Mr-Apr '67.

Transonic flow about bodies of revolution having a duct. R. B. Lifshits, O. S. Ryzhov. Izv. AN SSSR Mekh. zhid. i gaza no. 2, 111-116 Mr-Apr '67.

AERONAUTICAL INSTRUMENTS

Estimating errors of the "barospeedograph." I. M. Shchavinskii. Vest. protivovozd. obor. no. 1, 59-61 Ja '67.

Instrument for determining the course of flight. U. Kh. Chirchakov. Vest. protivovozd. obor. no. 5, 74-75 My '67.

AERONAUTICAL INSTRUMENTS—QUALITY CONTROL

Devices for checking aircraft equipment. I. N. Rytekin. Vest. protivovozd. obor. no. 1, 65-68 Ap '67.

AERONAUTICAL INSTRUMENTS—RELIABILITY

An important element in the work of commanders. M. N. Merkulov. Vest. protivovozd. obor. no. 5, 60-62 My '67.

AERONAUTICAL MUSEUMS

see subdivision under Moscow

AERONAUTICAL SPORTS

(see also subdivision under Kaunas, Moscow)

An aerial return match. V. Goncharenko. Kryl. rod. 17 no. 12, 22-23 D '66.

A spinning half loop. A. Pimenov. Kryl. rod. 18 no. 5, 40-41 My '67.

Toward new heights in aeronautical sports. Kryl. rod. 17 no. 12, 1 D '66.

AERONAUTICS

Airplane in a cable. M. I. Koryev. Tekhn. voenn. 25 no. 12, 84-85 D '66.

Automatic control of aeronautical equipment. N. G. Kon'kov. Vest. protivovozd. obor. no. 1, 83-87 Ja '67.

Foglets learn to fly. R. Turchenko. Sov. voen. 19 no. 11, 2-6 Je '67.

Facts, events, people. V. Valletsov and others. Kryl. rod. 18 no. 5, 24-25 My '67.

Your letters. A. Aydeev. Sov. voen. 19 no. 1, 16-18 Ja '67.

Morning stars. I. Rakhillo. Sov. voen. 49 no. 3, 11-17 F '67.

Our friends and helpers. A. V. Sidorenko. Grazhd. av. 24 no. 4, 10-19 Ap '67.

Rebrow, M. F. [How many professions has an airplane?] Skol'ko professii u samoleta? Moskva, Sov. Rossiya, 1967. 157 p.

Take yourself as an example. A. Rytov. Kryl. rod. 17 no. 12-13 D '66.

AERONAUTICS—ABSTRACTS

[Air transportation] Ref. zhur.: Vozd. transp. no. 8 Je '67.

AERONAUTICS—EXHIBITIONS

International salon of aeronautics and space. V. N. P. Vnesh. tovg. 47 no. 5, 45-49 '67.

AERONAUTICS—PSYCHOLOGY

Flight and psychology. Flight qualities. How to develop them. E. D. Vainko, G. Zariakovskii, V. Kurnetsov. Av. i kosm. no. 5, 79-82 My '67.

AERONAUTICS—STUDY AND TEACHING

We are calling you into the sky. Kryl. rod. 18 no. 5, 26 My '67.

AERONAUTICS, COMMERCIAL

(see also subdivision under Latvia, Leningrad, White Russia)

An route to Japan. Grazhd. av. 21 no. 1, 29 Ap '67.

From the history of commercial aviation of the U. S. S. R. Grazhd. av. 21 no. 4, 19 Ap '67.

AERONAUTICS, COMMERCIAL—AUDITING AND INSPECTION

At the front lines the people's controllers at work. I. I. Khepovets. Grazhd. av. 21 no. 4, 23 Ap '67.

AERONAUTICS, MILITARY

About life and about oneself. N. I. Molodtsov. Vmest. kazh. 7 no. 2, 8-9 '67.

Along an untold path. A. N. Sorokin. Vest. protivovozd. obor. no. 5, 91-93 My '67.

Duty work with flight unit commanders. M. M. Bol'shaev. Vest. protivovozd. obor. no. 1, 14-18 Ja '67.

A dream of our officers. G. Smirnov. Komm. Vooruzh. Sil. 18 no. 11, 15-20 Je '67.

The squadron is on the right path. V. M. Kotov. Vest. protivovozd. obor. no. 5, 25-28 My '67.

AERONAUTICS, MILITARY—ACCIDENTS

Eliminate the causes for aircraft accidents. A. A. Mironenko. Mor. obor. 50 no. 1, 38-40 Ja '67.

AERONAUTICS, MILITARY—OBSERVATIONS

Device for digital and letter type information. R. V. Efimov, V. A. Zvukov, A. P. Kugolov. Vest. protivovozd. obor. no. 10, 64-68 O '66.

AERONAUTICS, MILITARY—STUDY AND TEACHING

(see also subdivision under Orsk)

Ideological wings of future officers. V. Novikov, V. Rutikov. Komm. Vooruzh. Sil. 48 no. 11, 31-36 Je '67.

Interceptors attack in the stratosphere. V. A. Grachev, V. R. Evdokimov. Vest. protivovozd. obor. no. 10, 23-27 O '66.

Planning the day's flights. A. T. Novoselov. Vest. protivovozd. obor. no. 5, 29-30 My '67.

AERONAUTICS IN AGRICULTURE

Aerial spraying of grain crops. I. M. Beltaev, S. G. Starostin. Zashch. rast. 12 no. 5, 10-11 '67.

Flying over rice fields. V. Sapelkin, G. Dukhovenko. Grazhd. av. 21 no. 1, 26-27 Ap '67.

His laboratories are the forests, fields, and mountains. H. Orlov. Grazhd. av. 24 no. 1, 27 Ap '67.

Mechanization of the loading of airplanes with ice. M. I. Zemtseva. Zemledel. 29 no. 5, 31-33 My '67.

AERONAUTICS IN GEOLOGY

see subdivision under Ural Mountains

AERONAUTICS IN OCEANOGRAPHY

see subdivision under Soviet Far East

AEROTHERAPY

Effect of aerotherapy in low temperatures on the heat exchange in children with pneumonia. N. B. Tsaifuk, I. L. Novozhitova. Vop. kur., fizioter. i lech. fiz. kul't. 32 no. 2, 115-119 Mr-Apr '67.

AESTHETICS

According to the laws of beauty. N. Zhukov. Sem'la i shkola 22 no. 5, 24-25 My '67.

Aesthetic contemplation in Schelling's works. S. I. A. Senderovich. Vop. filos. 21 no. 5, 127-137 '67.

Category of the beautiful in the aesthetic views of Molla Nopce, I. L. Sosonkin. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1, 32-42 '67.

The question of formation of aesthetic judgment and appraisal in senior students. I. M. Zol'manova. Uch. zap. MIPGI no. 213, 383-423 '64.

AFFORESTATION

(see also subdivision under Azerbaijan)

Afforestation of suburban areas. L. L. Rubtsov, I. U. A. Atamanuk. IU A. Kolybins. Nauk. i tekhn. v gos. khoz. no. 5, 41-16 '66.

AFFORESTATION—EQUIPMENT AND SUPPLIES

Mechanization of forest plantation operations in small and middle-size sands. A. Pliakova. Tekhn. v sel'khoz. 27 no. 5, 32-34 '67.

AFGHANISTAN—CAPITAL

Gurevich, N. M. [Outline history of the trade capital in Afghanistan] Ocherk istorii torgovogo kapitala v Afganistane. Moskva, Nauka, 1967 140 p.

AFGHANISTAN—COMMERCE

Gurevich, N. M. [Outline history of the trade capital in Afghanistan] Ocherk istorii torgovogo kapitala v Afganistane. Moskva, Nauka, 1967 140 p.

AFGHANISTAN—FOREIGN RELATIONS—RUSSIA

Tested by time. Nov. i rev. 25 no. 24, 1 to '67.

AFRICA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of Asia and Africa] Nov. sov. i inostr. lit. po stran Az. i Afr. no. 4 '67.

AFRICA—CLIMATE

Lebedev, A. N., and O. G. Sorochan, eds. [Climates of Africa] Klimaty Afriki. Leningrad, Gidrometizdat, 1967 487 p.

AFRICA—DISCOVERY AND EXPLORATION

[Africa has not yet been discovered] Afrika eshche ne otkryta. [Moskva, Mysl', 1967] 470 p. illus.

AFRICA—HYENAS

Reproduction of African hunting dog (falcon picture) in captivity. V. G. Bernatskii, E. A. Petrova. Nauch. dokl. vses. shkol. i vuz. nauk. 10 no. 4, 42-44 '67.

AFRICA, SOUTH—RACE QUESTION

"The white alliance." V. Vasilevich. Az. i Afr. 1966. 10 no. 6, 28-30 Je '67.

AFRICA, SUB-SAHARAN—INTELLECTUAL LIFE

The intellectuals of Tropical Africa. IU. Tomlin. Mezhdunar. zhurn. 11 no. 6, 52-61 '67.

AFRICAN LITERATURE—BIBLIOGRAPHY

see Bibliography—African literature

AGE

Impossibility of determining the animal age by the number of layers in crystalline lens. G. A. Klevtsov. S. E. Kleinberg. Zool. zhur. 16 no. 1, 60-63 Ap '67.

AGED

Significance of physical culture and hardening for elderly persons. D. Kochanov, St. Kadiev, B. Ivanova. Vop. kur., fizioter. i lech. fiz. kul't. 32 no. 2, 133-136 Mr-Apr '67.

AGED—SURGERY

Strangulated hernias in persons over 70. A. N. Shabanov and others. Sov. med. 30 no. 5, 113-116 My '67.

AGGLUTININS

Agglutination titers in brucellosis of reindeer. V. A. Zabolon, T. Rudy Nauch.-issl. inst. sel'khoz. i natn. Sov. 13, 53-56 '66.

AGGREGATES

see Sol theory

AGGREGATES (BUILDING MATERIALS)

Elizov, M. P. [Production of artificial porous aggregates] Prolivodstvo iskusstvennykh poristyykh zapolnitel. Pod red. V. I. Ovsiankina. Moskva, Stroiizdat, 1967. 211 p.

AGING

Contributions in the aging and rejuvenation of living systems. I. A. Savenko. Filoz. i obsch. nauch. 1966. no. 6, 77-84 '66.

Effect of age factor on the processes of antigen absorption and antibody formation in rabbits. S. I. Ginzburg-Kalman, E. F. Vakulina. Trudy Mosk. nauch.-issl. inst. vnk. i syv. 17, 20-26 '61.

Some age-related characteristics of the development of experimental atherosclerosis in rabbits. I. M. Kozhura. Kardiologiya 7 no. 3, 80-90 Mr '67.

AGRICULTURAL ADMINISTRATION

(see also subdivision under Chuvashia)

Let us enhance the role of district soviets in agricultural administration. F. Pashnyk, D. Stoiarchuk. Rad. pravo 30 no. 5, 21-25 My '67.

AGRICULTURAL CHEMICALS

Fu-fu amide as a seed disinfectant and nitrogen fertilizer. A. A. Shchepetkov, D. M. Babitskiy. Khim. prom. Ukr. no. 5, 20-23 S-O '66.

Testing preparations. V. I. Zavarzin, E. A. Jurehenko, V. G. Fedorov. Zashch. rast. 12 no. 5, 25-26 '67.

AGRICULTURAL CHEMICALS—EQUIPMENT AND SUPPLIES

Unit for preparing poison chemical solutions. IU. Shkaptov. Tekhn. v sel'khoz. 27 no. 5, 13-16 '67.

AGRICULTURAL CHEMISTRY

Fedorov, P.A. [Experiments in agricultural chemistry; a manual for teachers] Agrokhimicheskie opyty po khl'mu, posobie dlia uchitel'ev. Moskva, Prosveshchenie, 1965. 110 p.

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING
Practical training program in agricultural chemistry. 9th grades. Shkola i proizv. II no. 4-24. Ap '67.

AGRICULTURAL CONTRACTS see Contracts, Agricultural

AGRICULTURAL COURTS AND PROCEDURE

Agricultural courts and agricultural education. V. Danasukevich. V mire knig no. 3-22. '67.

AGRICULTURAL CREDIT

(see also subdivision under Belgorod Province; Bukovina; Khmel'nik District; Pokrovskoye District; Dnepropetrovsk Province; Ryzan Province; Val'ki District)

Collective farm—bank—procurement. I. Hlabkov. Zakup sel'khoz. prod. no. 3-26-29. M. '67.

Collective farms need reserve funds. I. Filulin. Den. kred. 25 no. 1-50-51. Ap '67.

AGRICULTURAL CREDIT—CONGRESSES

Preliminary results of the experiment. Den. kred. 25 no. 4-93-94. Ap '67.

AGRICULTURAL EDUCATION

(see also subdivision under Sverdlovsk Province)

Agricultural courts and agricultural education. V. Danasukevich. V mire knig no. 3-22. '67.

Practical training program in vegetable growing. 9th-10th grades. Shkola i proizv. II no. 4-19-21. Ap '67.

AGRICULTURAL EXHIBITIONS

From the pavilion stands into production. A. Bildman. Zakup. sel'khoz. prod. no. 2-47-49. P. '67.

AGRICULTURAL EXPERIMENT STATIONS

Methods of work of agricultural experimental stations and recommendations to production. P. G. Kabanov. Vest. sel'khoz. nauki. 12 no. 5. 118-122. My '67.

AGRICULTURAL GEOGRAPHY

System of taxonomic units in the agricultural regionalization of the U.S.S.R. I. I. Svaichyevskiy. Vistnyk L'viv un Ser. geog. no. 1. 68-69. '66.

AGRICULTURAL IMPLEMENTS

(see also subdivision under Azerbaijan)

A. Sedukher, S. F. Lazarev. Shkola i proizv. II no. 5. 45. My '67.

Some characteristics of the development of the terms and names of agricultural implements in the Russian language. Z. A. Orasova. Izv. AN Turk. SSR, Ser. obshchestv. nauk. no. 1. 93-98. '67.

AGRICULTURAL INSURANCE see Insurance, Agricultural

AGRICULTURAL MACHINERY

Anticorrosive and ornamental plastic material coverings. A. V. Brunov and others. Trakt. i sel'khoz. mash. no. 5. 15-16. My '67.

Centralized feeding of welding units by carbon dioxide. A. Z. Sokolovskiy, A. R. Sakhnovskiy. Trakt. i sel'khoz. mash. no. 5. 38-39. My '67.

Comrade engineers you ought to be more responsible for your work! A. Selivanov. Tekh. v sel'khoz. 27 no. 6. 1-5. '67.

Criteria of quality and how to determine them. V. Kozharov. NTO. 9 no. 4. 51. Ap '67.

Demand of life. P. Timofeev. Ekon. i zhizn'. 6 no. 4. 72-75. Ap '67.

Energetic and technological evaluation of a threehedral wedge operating at increased speeds. T. K. Konysbaev. Vest. sel'khoz. nauki (Kazakh) 10 no. 2. 117-120. F. '67.

From the work of a mechanized melioration team. D. S. Pliass. Gidr. i mel. 10 no. 5. 105-108. My '67.

Improve the organization of the production of assembly shops. A. E. Izotov, V. V. Koslov. Trakt. i sel'khoz. mash. no. 5. 32-33. My '67.

International system of machines for the overall mechanization of agricultural and forest management in the member countries of the Mutual Economic Assistance Council. G. A. Nikolaev. Trakt. i sel'khoz. mash. no. 5. 29-30. My '67.

Machinery operators came to the field. Tekh. v sel'khoz. 27 no. 4. 1-4. '67.

Machines for intensive agriculture. D. Solov'ev. Zemledelie. 29 no. 5. 25-30. My '67.

New equipment for agricultural production. I. U. Rostov. Tekh. v sel'khoz. 27 no. 6. 36-38. '67.

New method for the operative planning of work with agricultural machinery and tractors. P. Solov'ev, N. Zholudev. Tekh. v sel'khoz. no. 4. 54-57. '67.

New technology in rice growing and harvesting. N. Lebedev, A. Migalev. Tekh. v sel'khoz. 27 no. 6. 6-8. '67.

Operating reliability of machines and tractors. G. P. Kaplun. Trudy TSNIMESKH. 3. 252-262. '61.

Results of field testing of the installation for the automatic calculations of the productivity of tractor driven machinery. V. M. Shuplovskiy. Trudy ISNIMLSAN. 3. 232-236. '64.

AGRICULTURAL MACHINERY—CLEANING

Synthetic cleaning agent. V. Baryshnik and others. Tekh. v sel'khoz. 27 no. 5. 72-74. '67.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Ukraine)

Methodology of calculating the limited expenditures for repairing agricultural machinery. L. D. Solov'ev. Vest. sel'khoz. nauki (Kazakh) 10 no. 2. 3-7. F. '67.

Notching shafts on a lathe. L. Kotikov. Tekh. v sel'khoz. no. 4. 79-80. '67.

Payment for machine repairing. V. Chumikhin. Tekh. v sel'khoz. 27 no. 5. 87. '67.

Preservation of internal cavities of the parts of tractors and agricultural machinery. A. A. Potilanko. Trakt. i sel'khoz. mash. no. 5. 40. My '67.

System of technical maintenance and repair of machines and equipment of livestock farms. N. Oranskii. Tekh. v sel'khoz. 27 no. 5. 21-22. '67.

AGRICULTURAL MACHINERY—PRODUCTION STANDARDS

Power of the engines of agricultural machinery units in performing field work. V. I. Shemakun. Trakt. i sel'khoz. mash. no. 5. 19-21. My '67.

AGRICULTURAL MACHINERY—STORAGE

Storage of machines on the Falt'ko Collective Farm. I. A. Stukavskiy. Trudy TSNIMESKH. 3. 263-269. '64.

AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS

Simple as a wheel. I. Molchanov. Izobr. i rats. no. 11. 7-8. 30. N. '68.

AGRICULTURAL MACHINERY INDUSTRY

Origins of the domestic agricultural machinery industry. A. N. Voids. Trakt. i sel'khoz. mash. no. 5. 47-48. My '67.

Pearlite-ferrite malleable cast iron in agricultural machinery industry. G. E. Shifin. Lit. proizv. no. 5. 37-38. My '67.

[Use of new materials in the agricultural machinery industry] Primenenie novykh materialov v sel'skokhoziaistvennom mashinostroenii (Rostov-na-Donu) Izd-vo Rostovskogo univ., 1966. 97 p.

Where are the sources of the incorrect payments of collective farms? M. Nemynushchiy. Rad. pravo. 30 no. 5. 74-77. My '67.

AGRICULTURAL MACHINERY INDUSTRY—ACCOUNTING

(see also subdivision under Rostov-on-Don)

AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Gomel)

AGRICULTURAL MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Kiev Province)

AGRICULTURAL MUSEUMS

Basic principles underlying the working out of geographical topics of the museum of agriculture. I. U. K. Efremov. Vest. Mosk. un. Ser. 5. Geog. 22 no. 2. 45-55. Mr.-Ap '67.

AGRICULTURAL PESTS

(see also subdivision under Mordovia)

AGRICULTURAL PHYSICS

Bobov, S. S. [Physics in agriculture] Fizika v sel'skom khoziaistve. Minsk, Urozhai, 1966. 114 p.

AGRICULTURAL POLICY

Role of the subjective factor in developing the economic alliance of the laboring class and the peasantry. E. M. Serlin. Uch. zap. Ulian. gos. ped. inst. 22. 3-22. '66.

AGRICULTURAL PRICES

(see also subdivision under Ulyanovsk Province)

AGRICULTURAL PROCESSING

Arkhipov, A. I. [Plan, marketing, and initiative of agricultural enterprises] Plan, sbyt i initsiativa sel'skokhoziaistvennykh predpriyatii. Moskva, Ekonomika, 1967. 44 p. (Aktual'nye problemy ekonomiki sel'skogo khoziaistva.)

AGRICULTURAL RESEARCH

(see also subdivision under Latvia)

In the Presidium of the All-Union Academy of Agricultural Sciences. Vest. sel'khoz. nauki. 12 no. 5. 141-147. My '67.

AGRICULTURAL WAGES

Labor productivity, establishment of work norms, and wages for an irrigator. E. V. Ocrshunov. Gidr. i mel. 19 no. 4. 49-52. Ap '67.

AGRICULTURAL WORKERS see subdivision under Briansk Province, Stavropol Territory, Ukraine

AGRICULTURAL WORKERS—CONGRESSES

In the name of 25 millions. L. Anastasov. Vsem. prof. divzh. no. 2-34-36. Mr. '67.

AGRICULTURE

(see also subdivision under Archangel Province, Caucasus, Northern, Chita Province, Crimea, Daghestan, Kazakhstan, Kherson Province, Khmel'nikskiy Province, Krasnodar Territory; Moscow Province, Rovno Province, Skvira District, Ukraine; Volgograd Province; Voronezh Province)

The achievements of innovators should be adopted by the workers. A. Pankov. Agitator no. 22. 51-54. N. '61.

Agricultural production must be on a scientific basis. M. Vasilenko. Agitator no. 11. 16-21. Je '61.

At a decisive stage. Part. zhizn'. no. 10. 10-11. My '67.

Con in our wealth. D. Solov'ev. Agitator no. 5. 22-25. Mr. '61.

Farming systems for various natural and economic zones. G. M. Loza. Vest. sel'khoz. nauki. 12 no. 5. 75-83. My '67.

For the rapid development of agricultural production. V. Matskevich. Agitator. 35 no. 10. 16-19. My '67.

Geography of our agriculture. B. Markin. Agitator. 35 no. 10. 30-34. My '67.

Happiness has come to every home. G. Doloshenkov. Zemledelie. 29 no. 5. 10-11. My '67.

Masters of the land. M. Gaganin. Zemledelie. 29 no. 5. 58-60. My '67.

The power of socialist competition and its popularity. Ekon. sel'khoz. 42 no. 5. 12-18. '67.

Revolutionaries of labor. P. Onatskiy. Agitator. no. 5. 6-11. Mr. '61.

Spring does not wait. P. Chalkin. Agitator. no. 5. 17-19. Mr. '61.

Starting the third year of the seven-year plan. Agitator. no. 2. 3-6. '61.

Vorob'ev, S. A., and A. V. Peteburgskiy. [Farming in the U.S.S.R.] Kultura zemledelia v SSSR. Moskva, Znanie, 1967. 60 p. (Novoe v zhizni, nauke, tekhnike. V Seria. Sel'skoe khoziaistvo, 6.)

We must try to equal the beacon lights. Agitator. no. 4. 3-6. F. '61.

AGRICULTURE—ABSTRACTS

[Agriculture; classed index of articles in foreign periodicals] Sel'khoz. i sist. ukaz. st. v inostr. zhur. nos. 5-6. '67.

AGRICULTURE—ACCIDENTS

(see also subdivision under Shamshadin District)

AGRICULTURE—ACCOUNTING

(see also subdivision under Kharkov Province)

Improve accounting in agriculture. D. Vasil'ev. Bukhgh. uch. 26 no. 5. 3-6. My '67.

AGRICULTURE—BIBLIOGRAPHY

(see also subdivision under Bibliography—Agriculture)

AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under Central Industrial Region; Krasnodar Territory, Moldavia; Mordovia; Ukraine; Voronezh Province)

Basic indices and determining the level of agricultural intensification. T. Starozhuk. Ekon. Rad. Ukr. 10 no. 5. 63-69. My '67.

Characteristics of commodity production under socialism, and providing economic incentives for agricultural development. I. Laptev. Ekon. sel'khoz. 42 no. 5. 22-32. '67.

Efficiency indices of agricultural production. I. Popova. Plan. khoz. 44 no. 6. 74-80. Je '67.

For an abundant anniversary harvest and efficient organization of state deliveries. P. Botnar', V. Dobrykh. A. Kravkov. Zakup. sel'khoz. prod. no. 3. 5-9. M. '67.

In the Department of Economics of the All-Union Academy of Agricultural Sciences. V. Mol'nikov. Ekon. sel'khoz. 42 no. 5. 123-125. '67.

The Russian Government and its policy of the consolidation of the class positions of the gentry in the late 19th century. I. U. B. Solov'ev. Trudy LOI AN SSSR. no. 8. 239-280. '67.

A source of abundant food products. Agitator. no. 22. 20-23. N. '61.

Suslov, I. F., ed. [Effectiveness of agriculture] Effektivnost' sel'skokhoziaistvennogo proizvodstva. Moskva, Mysl', 1967. 237 p.

AGRICULTURE—FINANCE

(see also subdivision under Ukraine)

AGRICULTURE—GRAPHIC METHODS

(see also subdivision under Moscow Province)

AGRICULTURE—HYGIENIC ASPECTS

Kundiev, I. U., and A. Z. Mametkov. [Work hygiene in agriculture] Gigiena truda v sel'skom khoziaistve. Moskva, Znanie, 1967. 30 p. (Narodnyi universitet. Fakul'tet zdorov'ia, 11.)

AGRICULTURE—LABOR PRODUCTIVITY see subdivision under Turkmenistan

AGRICULTURE—MAPS see subdivision under Ukraine

AGRICULTURE—PERIODICALS

Readers' conferences of the journal "Vestnik sel'skokho-zyaistvennoi nauki." Vest sel'khoz nauki 12 no 5 158 My '67

AGRICULTURE—PRODUCTION STANDARDS

Measuring work norms in agriculture. M. Lutsenko, N. Zheleznov. Tekhn. sel'khoz 27 no 6 10-56 '67
Methods of establishing work norms in agriculture. Fion. sel'khoz 12 no 5 54-67 '67

AGRICULTURE—SAFETY MEASURES

Labor protection on collective and state farms. Sov. molodoy 23 no 9 23 My '67

Safety measures at livestock farms. V. Pakhomov. Tekhn. sel'khoz 27 no 5 23-25 '67

AGRICULTURE—STUDY AND TEACHING

Agricultural training and servicing professions. 5th-8th grades. Shkola i prosv 11 no 4 13-45 Ap '67

Plant growing instruction and its relationship to the fundamentals of sciences. I. F. Razdymalin, M. I. Shchurabov. Shkola i prosv 10 no 9 41-46 S '66

PolYTECHNICAL training of senior students in rural schools. A. F. Staviouk. Shkola i prosv 11 no 5 29-34 My '67

Practical training program in livestock breeding. 9th-10th grades. Shkola i prosv 11 no 4 21-23 Ap '67

Technical and agricultural training. 5th-6th grades. Shkola i prosv 11 no 1 39-13 Ap '67

They learn to be skillful farmers this way. K. Kyzhanovskii. Prof. tekhn. obz. 23 no 10 13 O '66

Training students in agricultural work of 8th-year schools. A. N. Papisheva. Shkola i prosv 11 no 5 11-14 My '67

AGRICULTURE—TECHNOLOGICAL INNOVATIONS see subdivision under Ukraine

AGRICULTURE—TERMINOLOGY

Some characteristics of the development of the terms and names of agricultural implements in the Russian language. Z. A. Orlova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1 93-96 '67

AGRICULTURE, COOPERATIVE

According to Lenin's cooperative plan. V. Solovskaya. Agitator 35 no 11 25-29 Je '67

Victorious stride of Lenin's ideas. M. Lopatin. Sov. polit. ekon. 11 no 1 26-30 Ap '67

AGRICULTURE AS A PROFESSION see subdivision under Alma-Ata Province

AGRICULTURISTS

(see also subdivision under Ivanovo Province, Kuban)

What hinders the work of an agronomist? I. G. Iliakin. Zemledelie 20 no 5 52-53 My '67

AGROPIRON see subdivision under Ukraine

AIDS TO NAVIGATION

Basic principles of the methodology for determining the economic efficiency of the adoption of technical means of navigation and communication. G. P. Pavlov. Trudy TSNITVT no 16 118-151 '66

Extending the course of navigational devices in cases of deviation from fixed routes. V. F. Kondrashukhin. Mor. flot. 50 no 1 61-62 Ja '67

AIR BLADDER (IN FISHES)—BLOOD SUPPLY

"Wonderful network" of the White Sea smelt. M. K. Dzhamaliev. Vest. AN Kazakh SSR 23 no 1 63-65 Ap '67

AIR CONDITIONING

Effectiveness of cold-air supply in centralized heating systems. L. M. Rozenfeld, M. S. Karpaukh. Teploenergetika 14 no 2 33-36 I '67

Increasing the efficiency in the use of air conditioners. E. V. Grubskii. Nauk. i tekhn. v gos. khoz. no 5 180-187 '66

AIR CURTAINS

Aerodynamic method of snow removal. I. I. Anisratov, V. A. Kuznetsov. Nauch. trudy Mosk. inst. radioelek. i gos. elektromekh. no 5 169-173 '65

AIR DEFENSES

Morozov, P. V. [Fighting with aerial and space targets] Borba s vozdušno-kosmicheskimi tselami. Moskva, Voenizdat, 1967. 141 p.

Ways of overcoming antiaircraft defense systems. A. S. Orlov. Vest. protivovozd. obor. no 4 84-87 Ap '67

AIR DEFENSES, MILITARY

Kalashnikov, E. V. [Reconnaissance and target designation] Razvedka i tseloukazanie. Moskva, Voenizdat, 1967. 69 p.

AIR DUCTS

Permissible air leakage in ventilation ducts during high-pressure ventilation. V. S. Vepriov. Zap. LGI 50 no 1 18-20 '65

AIR ENGINES—DESIGN AND CONSTRUCTION

Geared pneumatic engines with internal meshing. F. S. Boisenko, V. I. Degtiarev. Izv. vys. ucheb. zav. gos. zhuk. 10 no 3 101-103 '67

AIR PILOTS

Character of the mental image in flying activity. B. S. Frantsen, V. A. Egorov, A. I. Kostuk. Vop. psikhool. 13 no 2 71-78 Ju-Ap '67

The initiative of the interceptor pilot. S. A. Medvedev. Vest. protivovozd. obor. no 12 18-21 D '66

The Soviet flag at the North Pole. Kiyv. rod. 18 no 5 10 My '67

AIR PILOTS—EDUCATION AND TRAINING see subdivision under United States

AIR PREHEATERS

Study of temperature conditions and hydraulics of a radiation air preheater. V. A. Lokshin, B. I. Permiakov. Teploenergetika 14 no 5 41-51 My '67

Testing of a regenerative air heater. I. V. Botkachik, L. A. Kostrov. Energomashinostroyeniye 13 no 5 6-8 My '67

AIR WARFARE

The motto is cooperation. I. B. Sorokin. Vest. protivovozd. obor. no 1 90-91 Ap '67

AIR WARFARE—STUDY AND TEACHING

Attention is focused on tactical training. S. I. Khlyasov. Vest. protivovozd. obor. no 4 31-35 Ap '67

Flight formation is preparing for a flying and tactical drill. A. Vionskii. Av. i kosm. no 5 19-52 My '67

AIRCRAFT—CONTROLS

Maximum probability of conveying an aircraft to a given area. I. U. V. Kozhevnikov. Mekh. tver. tela no 2 81-87 Ju-Ap '67

AIRCRAFT—EQUIPMENT AND SUPPLIES

[Technical operation of aircraft equipment] Tekhnicheskaya eksploatatsiya aviatsionnoi tekhniki. Moskva, Voenizdat, 1967. 414 p.

AIRCRAFT GAS TURBINES

Klinckin, A. L. [Operational characteristics of aircraft gas-turbine engines] Eksploatatsionnye kharakteristiki aviatsonnykh gazoturbinnnykh dvigatelei. Moskva, Transport, 1967. 194 p.

AIRCRAFT GAS TURBINES—RELIABILITY

Specification of the degree of reliability of aircraft gas turbine engines. S. A. Kirzutan, D. E. Stasik, A. A. Morozov. Stand. i kach. 31 no 4 13-17 Ap '67

AIRFLOW

Calculation of airflow around uneven surfaces of the earth, a three-dimensional problem. Kh. N. Zeltunian. Trudy Vych. meteor. tsentra no 1 42-52 '63

Taking short waves into account in the nonlinear problem of airflow at cloud mountains. Kh. N. Zeltunian. Trudy Vych. meteor. tsentra no 1 72-83 '63

AIRFLOW—MEASUREMENT

Calculating parameters of regulating equipment for diagonal connections in uniform air distribution. N. S. Frolov. Sb. nauch. trud. KGRI no 16 191-199 '63

AIRGLOW

(see also subdivision under Murmansk; Tikai Bay, Polar regions)

Auroras during the period of the minimum of solar activity. I. A. I. Fel'dshtein, L. V. Lukina, N. F. Shevchuk. Geomag. i aer. 7 no 1 177-179 '67

Boundary variation of the auroral oval zone. G. V. Starkov, I. A. I. Fel'dshtein. Geomag. i aer. 7 no 1 62-71 '67

Orientation of the extended auroral forms. G. V. Starkov, I. A. I. Fel'dshtein. Geomag. i aer. 7 no 1 72-77 '67
Relation between PP and the variations of aurora luminosity. L. V. Bakhr, V. B. Latskii, V. P. Selivanov. Geomag. i aer. 7 no 1 208-210 '67

AIRPLANES

Soviet air planes. Kiyv. rod. 18 no 5 28-29 My '67

AIRPLANES—DESIGN AND CONSTRUCTION

Cities and villages await it. E. G. Adler. Grazhd. av. 24 no 4 13-17 Ap '67

AIRPLANES—ENGINES

A technician's map temple. I. N. Volkonskii. Vest. protivovozd. obor. no 5 76 My '67

AIRPLANES—FUEL

Continuous determination of water emulsion content in white petroleum products. K. V. Rybakov, E. N. Zmudyn. Nefteper. i neftekhim. no 1 35-37 '67

AIRPLANES—LANDING

Improving instruction on systems of calculating landings. I. I. Shevchenko. Vest. protivovozd. obor. no 1 36-37 Ap '67

AIRPLANES—MAINTENANCE AND REPAIR

Controlling the condition of aviation equipment. N. T. Zheleznskii. Vest. protivovozd. obor. no 12 43-46 D '66

Fundamental changes. G. Vol'sekhovich. Grazhd. av. 24 no 4 21-25 Ap '67

AIRPLANES—MATERIALS

Kotovski, Sh. I. A. [Flying metals] Letaiushchie metally. Moskva, Mashinostroyeniye, 1967. 252 p.

AIRPLANES—MODELS

Evgenii Karev, instructor... M. Semenov. Kiyv. rod. 17 no 12 16 D '66

Learn to repair motors. V. Kiylov. Kiyv. rod. 18 no 5 31 My '67

Models which brought victory. Kiyv. rod. 17 no 12, Insert 1-p D '66

Painting models. V. Subbotin. Kiyv. rod. 18 no 5 27 My '67

School for young model airplane builders. Kiyv. rod. 17 no 12 28-29 D '66

To help model airplane builders. Kiyv. rod. 18 no 5, Insert 1-VIII My '67

With one's own hands. A. Solonchenco. Kiyv. rod. 17 no 12 24-26 D '66

AIRPLANES—PILOTING

Automatic load device. S. N. Loginov. Vest. protivovozd. obor. no 10 54-56 O '66

Illusions of position in space. E. A. Derivlanko, V. G. Kuznetsov. Vest. protivovozd. obor. no 12 22-28 D '66

In a vortical track. B. G. Markin. Mor. shor. 50 no 6 62-66 Je '67

On the ground and in the air: cooperation between pilots and guidance navigators. A. I. Lavichenko. Vest. protivovozd. obor. no 1 30-32 Ap '67

The pilot's tasks and opportunities. L. Zholudev, M. Shein. Grazhd. av. 24 no 1 20-21 Ap '67

AIRPLANES—SPEED

Instrument or effective speed? I. Tsvetovskii. Av. i kosm. no 5 66-67 My '67

AIRPLANES—TURBOJET ENGINES

Determining maximum permissible pressure in the chamber of a liquid-fuel jet engine operating by the closed gas-liquid diagram. M. V. Dobovolskii, I. U. V. Kiylov. Izv. vys. ucheb. zav., mashinost. no 4 75-78 '67

Hypersonic aeronautics. Part 2: Power plants. V. Pavlenko. Av. i kosm. no 5 68-73 My '67

AIRPLANES, MILITARY—ELECTRONIC EQUIPMENT

Defective instruments should be out of service. I. Rubln, V. Kviatkovskii. Av. i kosm. no 5 64-67 My '67

AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

Providing for flights by shifts. V. V. Bychkov. Vest. protivovozd. obor. no 4 54-57 Ap '67

AIRPLANES, MILITARY—PILOTING

Flight with prescribed itinerary in a single-seater airplane. V. Savchenko. Av. i kosm. no 5 53-60 My '67

Records are carried on but errors remain. S. Somov, Av. i kosm. no 5 61-63 My '67

AIRPORTS—BUILDING

Studies of
of co
nye

2264

ALKALI HALIDE CRYSTALS (Continued)

Effect of V-ray power conversion in europium-activated alkali halide crystals. I. A. Putanovich, P. I. Shuravlev, P. S. Bakhunov. Izv. AN SSSR, Ser. fiz. 31 no. 3, 832-834 My '67.

Study of the mechanism of recombination luminescence in thallium- and lithium-activated alkali halide phosphors. L. M. Shamonovskii, M. G. Lomonov. Opt. i Spekt. 22 no. 4, 583-584 Ap '67.

Variational calculation of multipole polarizability of F-centers in alkali halide crystals (approximation of a point-charge lattice). M. N. Yudinov, I. M. Lidorovskii, T. K. Rebane. Vest. LGU 22 no. 1, 28-31 F '67.

ALKALI HALIDE CRYSTALS—DEFECTS

Hole centers and hole processes in alkali halide crystals. I. K. Vitel, I. A. R. Bogdan, V. I. Zil'ber. Izv. AN SSSR, Ser. fiz. 31 no. 5, 854-858 My '67.

ALKALI HALIDE CRYSTALS, EFFECT OF RADIATION ON

Change of impurity centers induced by ionizing radiation in europium-activated alkali halide crystals. I. A. Putanovich, P. S. Bakhunov, E. L. Shuravlev. Izv. AN SSSR, Ser. fiz. 31 no. 3, 835-838 My '67.

ALKALI METAL CARBONATES

Decomposition and hydrates of rubidium and cesium carbonates. Report No. 5. Photochemical study of the binary systems $Rb_2CO_3-H_2O$ and $Cs_2CO_3-H_2O$. E. A. Dubrovina, B. S. Dvinskikh. Izv. AN SSSR, Ser. fiz. 31 no. 1, 723-727 Ap '67.

ALKALI METAL FLUORIDES

Corrosion of fluorine in melts containing alkali metal phosphates and fluorides. V. P. Kochergin, Z. A. Shvachina, V. G. Beiner. Izv. vuzov, ucheb. zav., khim. i khim. tekhn. 10 no. 3, 288-292 '67.

ALKALI METAL FLUORIDES—SPECTRA

Infrared spectra and character of hydrogen bonding in solutions of alkali metal fluorides. I. D. Fedotina and others. Zhur. strukt. khim. 8 no. 2, 258-261 Mr-Apr '67.

ALKALI METAL NITRATES—THERMODYNAMICS

Activity and ionic coefficients of hydrogen of water in solutions of potassium nitrate and sodium nitrate at 1, 23, 50, and 75°C in a wide range of concentrations. I. P. Shipilov, K. P. Mischenko. Zhur. prikl. khim. 10 no. 1, 680-682 Mr '67.

ALKALI METAL PHOSPHATES

Corrosion of fluorine in melts containing alkali metal phosphates and fluorides. V. P. Kochergin, Z. A. Shvachina, V. G. Beiner. Izv. vuzov, ucheb. zav., khim. i khim. tekhn. 10 no. 3, 288-292 '67.

ALKALI METALS

Catalytic activity of alkali metal ions in the oxidative dissolution of diamond. A. P. Rudenko, I. I. Kulakova, A. A. Balandin. Kin. i kat. 8 no. 2, 275-282 Mr-Apr '67.

ALKALI PROTEINASE see Trypsin

ALKALIES

Behavior of rare alkalies and strontium in process of hydrogenation. I. P. Boiko, V. B. Buinevich. I. i. i. pol. i tekhn. 2 no. 2, 40-41 Mr-Apr '67.

Cathodic dissolution of tellurium in alkaline solutions. V. M. Komandenko, A. L. Rejzlin. Elektrokhimia 3 no. 5, 552-557 My '67.

Differential titration of mixtures of inorganic and organic bases in nonaqueous solutions. A. P. Kiselev, N. Sh. A. Idarova. Tudy BKNII no. 20, 219-221 '66.

Ineffectiveness of alkaline reagents in the protection of the condensing and cooling equipment of distillation units. R. D. Metak. Khim. i tekhn. i mash. 12 no. 6, 29-30 My '67.

Studying effectiveness of alkalization of component of TS-1 fuel. G. F. Bol'shakov and others. Neftepr. i neftekhim. no. 4, 28-30 '67.

ALKALINE EARTH COMPOUNDS

Conditions for the production of rare earth and alkaline earth hexaborides of higher purity. G. A. Meerson, I. G. Mamedov. Izv. AN SSSR, Neorg. mal. 3 no. 5, 802-807 My '67.

ALKALINE EARTH FLUORIDES—SPECTRA

Infrared spectra of acid fluorides of alkaline earth elements. D. D. Ruchin, E. D. Ruchin, N. S. Nikolov. Zhur. strukt. khim. 8 no. 2, 251-255 Mr-Apr '67.

ALKALOIDS

Glycosylated composition and accumulation dynamics in Solanum laciniatum Ait. on Apsheron Peninsula. N. M. Ismailov, S. M. Aslanov. Dokl. AN Azerb. SSR 23 no. 1, 47-50 '67.

Metabolism of nicotine alkaloids in plants. E. S. Avundzhian. Usp. sov. biol. 63 no. 2, 232-248 Mr-Apr '67.

Pyrazolizidine alkaloids. Part 10. Total synthesis of alkaloid viridiflorine. A. M. Likhoshustov, V. N. Kulakov, N. K. Kochetkov. Zhur. ob. khim. 37 no. 5, 1012-1017 My '67.

Some alkaloid-bearing plants of the Nakhichevan ASSR. V. M. Ismailov, R. M. Abbasov. Izv. AN Azerb. SSR, Ser. biol. mal. no. 6, 17-24 '66.

Study of conditions under which alkaloids are extracted as bases or salts. O. A. Voplon. Farmatsiya 22 no. 2, 16-20 '67.

Use of phenylthionous acid and its nitro substituents in microcrystallographic analysis of all alcohols and their synthetic substituents. S. G. Pligin. Farmatsiya 16 no. 2, 57-57 Mr-Apr '67.

ALKALOIDS—PHYSIOLOGICAL EFFECT

Changes in Endameba histolytica from cultures under the effect of emetin and iunagin. L. M. Godecova. Med. prikl. i paraz. bol. 36 no. 2, 209-216 Mr-Apr '67.

ALKALOIDS—TOXICOLOGY

Detection of platyphyllin, emetine, and gencophyllin in biological material. T. I. Fgouova. Sos. med. ekspert. 10 no. 2, 36-40 Ap '67.

ALKENES see Olefins

ALKYL HALIDES

Vapor pressures and approximate values of thermodynamic functions of liquid alkyl halides. S. V. Levina, T. E. Gubler, D. N. Andreyevskii. Neftekhimika 7 no. 2, 286-282 Mr-Apr '67.

ALKYLATION

Alkylation of phenols by bifunctional compounds. Report No. 17. Alkylation of cresols by 1,3-dichloropropane and 1,5-dichloropentane. E. A. Viktorova, N. I. Shukhin, E. A. Karakhanov. Izv. AN SSSR, Ser. khim. no. 4, 880-891 Ap '67.

Comparative study of damaging and mutagenic effect of radiation and alkylating compounds on pea and barley seeds. A. I. Akhmedov. Izv. AN Azerb. SSR, Ser. biol. mal. no. 6, 10-18 '66.

Development of a method for continuous alkylation of toluene with acetylene. V. G. Felegun and others. Khim. i tekhn. i mash. 12 no. 5, 19-21 My '67.

Kinetics of alkylation reaction of aromatic compounds under aluminum chloride action. N. N. Lebedev, M. M. Cheslin. Neftekhimika 7 no. 2, 199-207 Mr-Apr '67.

Study of energetics of tumors and normal tissue with different sensitivity to alkylating agents. R. V. Bikh. Vop. med. khim. 13 no. 3, 307-313 Mr-Je '67.

Synthesis of dialkyl-substituted methyl ester of salicylic acid. R. I. Fedonova, Z. G. Kustanovich, V. I. Isagulantov. Zhur. prikl. khim. 10 no. 3, 631-635 Mr '67.

ALLERGY

Allergic alteration of leucocytes in pollinosis. N. V. Mikhailov, V. B. Gerasimova. Biol. i eksp. biol. i med. 63 no. 6, 77-80 Je '67.

Infectious allergy. Report No. 4: Role of antidiphtheritic serum in infectious allergy to diphtheritic exotoxin under experimental conditions. A. T. Kravchenko, L. F. Pivavlova, Zhur. mikrobiol., epid. i immun. 41 no. 4, 10-15 Ap '67.

ALLOYS

Levi, L. I., and S. K. Kantenik. [Foundry alloys] Litel'nye splavy. Moskva, Vysshaya shkola, 1967. 434 p. Three-dimensional periodic modulated structure in fission-type alloys and the structure of alloy-type alloys. I. U. D. Tikhin, I. G. Choshenova. Dokl. AN SSSR 173 no. 6, 1309-1312 Ap '67.

ALLOYS—FATIGUE

Forcing of fatigue testing of light alloys. M. N. Stepanov, I. U. A. Shukhmin. Zuv. lab. 33 no. 3, 341-355 '67.

ALLOYS—PLASTIC PROPERTIES

Determining the constants of plasticity of structural components of alloys. V. V. Varnello, A. A. Pastukhova. Shet. iud. No. 6, 11, 17-18 '62.

ALLOYS—TESTING

Testing cutting properties of hard alloys. E. P. Nadol'skaya, L. N. Vedneva. Stand. i kach. 31 no. 5, 43-51 My '67.

Wear-resistant alloys. P. F. Parashuk. Lit. prozv. no. 1, 12-43 Ap '67.

ALLOYS—THERMODYNAMICS

Thermodynamic aspect of the metal alloying theory. A. A. Zhukov. Dokl. AN SSSR 174 no. 1, 124-126 My '67.

ALLOYS—WELDING

Electron-beam welding of El437BU alloy to El618 alloy. D. P. Shelchikov, Svar. prozv. no. 3, 28-29 Mr '67.

ALKYL HALIDES

Alkylation of phenols by bifunctional compounds. Report No. 18. Alkylation of m-cresol and its methyl ether by alkyl halides. E. A. Viktorova and others. Izv. AN SSSR, Ser. khim. no. 4, 891-895 Ap '67.

ALMA-ATA—CLOTHING INDUSTRY—FINANCE

Profitableness of articles is under control. V. Rychkov. Nar. khoz. Kazakh. 25 no. 4, 14-16 Ap '67.

We are working with profit. M. Mavlikov, V. Pechenadov. Nar. khoz. Kazakh. no. 5, 20-23 My '67.

ALMA-ATA—LANDSCAPE GARDENING

History of the landscaping "mestechko" and Alma-Ata. S. N. Mal'tsev. Vest. sel'khoz. nauki [Kazakh] 10 no. 5, 115-118 Mr '67.

ALMA-ATA—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Voluntary design bureau. V. Khatov. Avi. i transp. 15 no. 5, 10-11 My '67.

ALMA-ATA—MOTORBUS TERMINALS

Worked gift for anniversary. K. Kalliver. Avi. i dor. 10 no. 1, 11 '67.

ALMA-ATA—SMOKEHOUSES

Experience in the operation of PSM-VNINO fluidizer. L. Sirota, M. N. Rybalko. 13 no. 5, 51-52 '67.

ALMA-ATA—TEACHING—AIDS AND DEVICES

Legal claim. A. Tinkov. Avi. i transp. 15 no. 5, 51 My '67.

ALMA-ATA PROVINCE—AGRICULTURE AS A PROFESSION

Call signs were understood correctly. N. V. Patakhin. Shkola i prom. 10 no. 9, 52-53 S '66.

ALMA-ATA PROVINCE—CALVES—DISEASES AND PESTS

Pathomorphological changes in the large intestine of newborn calves in colibacteriosis. V. Pechenadov. Vest. sel'khoz. nauki [Kazakh] 10 no. 2, 70-74 F '67.

ALMA-ATA PROVINCE—CORN (MAIZE)—IRRIGATION

Stubble crops of corn and peas in the piedmont irrigation zone of Alma-Ata Province. V. G. Kuznetsov. Vest. sel'khoz. nauki [Kazakh] 10 no. 1, 25-30 F '67.

ALMA-ATA PROVINCE—DUCKS—DISEASES AND PESTS

Prophylaxis and therapy of peritonitis in ducks in Alma-Ata Province. S. A. Ladin. Vest. sel'khoz. nauki [Kazakh] 10 no. 2, 67-70 F '67.

ALMA-ATA PROVINCE—HYBRID CORN

Studying and using corn forms with cytoplasmic male sterility in Alma-Ata Province. Z. L. Sosunova, B. Olynshiev. Vest. sel'khoz. nauki [Kazakh] 10 no. 2, 21-26 F '67.

ALMA-ATA PROVINCE—MICRO-ORGANISMS, NITROGEN-FIXING

Role of free-living nitrogen-fixing micro-organisms in the accumulation of nitrogen in the soils of Alma-Ata Province. D. Karagushova. Vest. AN Kazakh SSR 23 no. 1, 52-61 Mr '67.

ALMA-ATA PROVINCE—PEAS—IRRIGATION

Stubble crops of corn and peas in the piedmont irrigation zone of Alma-Ata Province. V. G. Kuznetsov. Vest. sel'khoz. nauki [Kazakh] 10 no. 5, 25-30 My '67.

ALMA-ATA PROVINCE—REED (BOTANY)

Effectiveness of herbicides for controlling common reed in irrigated corn fields. Kh. R. Ayngiziev. Vest. sel'khoz. nauki [Kazakh] 10 no. 2, 16-19 F '67.

ALMA-ATA PROVINCE—SHEEP BREEDING

Some results of crossing fine-wool sheep species. M. M. Tolshchikov. Vest. sel'khoz. nauki [Kazakh] 10 no. 5, 12-14 My '67.

ALMA-ATA PROVINCE—VEGETABLES—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the quality of vegetable and vine crops and potatoes. B. S. Samoilenko. Vest. sel'khoz. nauki [Kazakh] 10 no. 2, 40-45 F '67.

ALMA-ATA PROVINCE—VINE CROPS—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the quality of vegetable and vine crops and potatoes. B. S. Samoilenko. Vest. sel'khoz. nauki [Kazakh] 10 no. 2, 40-45 F '67.

ALMANACS see subdivision under Odesa

ALMAZNAJA (UKRAINE)—IRON AND STEEL PLANTS—QUALITY CONTROL

Characteristics and advantages of smelting low-manganese converter pig, and roll cast iron at the Almaznaya Metallurgical Plant. K. N. Florov, D. N. Dobrinskii. Met. i gornoud. prom. no. 2, 3-5 Mr-Apr '67.

ALPHA RAYS

Energy and angular distribution of α -particles in (n, α)-reaction on Ag and Br nuclei. V. A. Kuz'min, V. I. Ostroumov. Jad. fiz. 5 no. 5, 937-941 My '67.

ALPHA RAYS—SCATTERING

Use of a nuclear optical model for the analysis of deuteron and α -particle scattering by nuclei. O. V. Nemets and others. Izv. AN SSSR Ser. fiz. 31 no. 4:532-549 Apr '67.

ALPINE FLORA see subdivision under Caucasus, Transcaucasia

ALTAI MOUNTAIN REGION—NATURAL RESOURCES

The initiative of the Gornyy Altai scientists. V. Molchanov. Agitator no. 11:45 Jun '61.

ALTAI MOUNTAIN REGION—SOCIAL GROUP WORK

Party guidance of the cultural and educational work of 1 local soviets in the Altai Mountain region, 1956-1958. S. F. Orlanskiy. Uch. zap. TGU no. 56:133-146 '66.

ALTAI MOUNTAINS—GEOLOGICAL TIME

Age and genesis of pyrite-complex metal mineralization of Rudnyy Altai. V. D. Bizarov, A. A. Garmash. Zap. Vses. min. ob-va 96 no. 2:219-222 '67.

ALTAI MOUNTAINS—GLACIAL EPOCH

New data on Pleistocene glaciation of Khangai and Gobi Altai. T. V. Nikitcheva, V. F. Shuvilov. Vest. IGU 22 no. 6:130-139 May '67.

ALTAI MOUNTAINS—GRANITE

Distribution of rare elements in granitoid bodies of different morphology, as revealed by a study of some massifs in the Altai. N. N. Amshinskiy, L. I. Orlova, I. V. Martich. Zap. Vses. min. ob-va 96 no. 1:22-29 '67.

ALTAI MOUNTAINS—GRANITE—ANALYSES

Some petrological and geochemical characteristics of granitoids of the Gornyy Altai complex. E. B. Vysozkostovskaya, G. B. Korshkin. Uch. zap. P.d. inst. Geits 280:239-254 '66.

ALTAI MOUNTAINS—LEAD ISOTOPES

Isotopic composition of ore leads and characteristics of the formation of endogenic mineralization in the Altai-Sayan ore region. V. M. Klyayevskiy, A. A. Tychevskiy, L. D. Shpilov. Geokhimiya no. 5:621-632 May '67.

ALTAI MOUNTAINS—MINERALS

Distribution of rare elements in granitoid bodies of different morphology, as revealed by a study of some massifs in the Altai. N. N. Amshinskiy, L. I. Orlova, I. V. Martich. Zap. Vses. min. ob-va 96 no. 1:22-29 '67.

ALTAI MOUNTAINS—ORE DEPOSITS

Age and genesis of pyrite-complex metal mineralization of Rudnyy Altai. V. D. Bizarov, A. A. Garmash. Zap. Vses. min. ob-va 96 no. 2:219-222 '67.

ALTAI MOUNTAINS—RARE EARTH METALS

Distribution of rare elements in granitoid bodies of different morphology, as revealed by a study of some massifs in the Altai. N. N. Amshinskiy, L. I. Orlova, I. V. Martich. Zap. Vses. min. ob-va 96 no. 1:22-29 '67.

ALTAI TERRITORY—BANK EMPLOYEES

Veteran of the credit system. M. P. Iashko. Den i kied 25 no. 5:74-75 May '67.

ALTAI TERRITORY—BEANS

We are cultivating forage beans. G. Strukov. Agitator no. 22:34-36 May '61.

ALTAI TERRITORY—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Discounting the possibilities. N. Prusakov. Part zhizn' no. 11:68 Jun '67.

ALTITUDE, INFLUENCE OF

Hematopoietic changes in small laboratory animals irradiated in high mountain conditions. O. M. Krasuk. Fiziol. zhur. [Ukr.] 13 no. 3:382-387 May-June '67.

ALTITUDES—MEASUREMENT

Altitude measurement using central clock system. S. S. Netsetskii. Geod. i kart. no. 11:11-12 '66.

Conference on barometric altimetry. V. S. Kusov. Geod. i kart. no. 4:78-77 Apr '67.

Relationship between the coefficient of vertical refraction and absolute altitude of the earth's surface, based on observations carried out in Eastern Siberia. I. I. Sadovalskiy. Geod. i kart. no. 11:7-10 May '66.

ALTYN-TOPKAN REGION (TAJIKISTAN)—MINING GEOLOGY

Some results of experimental studies on using fire-jet boring methods for rocks of the Altyn-Topkan deposits. Kh. Shamirzaev. Izv. AN Uz. SSR, Ser. tekhn. nauk 10 no. 5:79-83 '66.

ALTYN-TOPKAN REGION (TAJIKISTAN)—NONFERROUS METAL INDUSTRIES—MANAGEMENT

Everybody's concern. D. Tokarev. Ekon. i zhizn' 9 no. 4:30-32 Apr '67.

ALUM

Stability of aluminosodium and aluminopotassium aluminates. I. U. V. Lastochkin and others. Zhur. prikl. khim. 40 no. 3:483-487 May '67.

ALUMINATES

Settling of red mud from aluminate solution by the Bayer method. T. T. Buravlev and others. Zhur. prikl. khim. 40 no. 3:487-492 May '67.

Using gray mud as desilicizing additive. T. I. Aideeva, A. A. Novolodskaya. TSvet. met. 40 no. 5:57-61 May '67.

ALUMINOSILICATES

Conversions of cyclohexene on crystalline aluminosilicates of different structure. E. M. Benashvili and others. Soob. AN Gruz. SSR 46 no. 1:75-82 Apr '67.

Differentiated use of aluminum oxide surface in the preparation of complex and mixed catalysts. Report No. 1. Aluminosilicate catalysis. F. E. Engin, V. E. Vasseterberg, A. A. Balandin. Izv. AN SSSR Ser. khim. no. 5:1038-1044 May '67.

Heat of adsorption of benzene and heptane on an aluminosilicate catalyst. A. A. Isakhan and others. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2:9-11 May '67.

Kinetic regularities in isomerization of *m*-xylene on aluminosilicate catalyst. L. S. Patalakh, G. M. Mamedaliev, A. M. Brodskiy. Dokl. AN SSSR 174 no. 1:139-142 May '67.

ALUMINUM—CORROSION

Gerasimov, V. V. [Corrosion of aluminum and its alloys] Korrozia aluminia i ego splovov. Moskva, Metallurgiya, 1967. 113 p.

ALUMINUM—ELECTROMETALLURGY

Determining conditions contributing to the passage of sodium into cathodic aluminum. V. N. Sutin, A. A. Kostukov, I. U. Dvinnin. TSvet. met. 40 no. 5:53-57 May '67.

Hydrodynamic conditions and their effect on the degree of gas filling and conductivity of the electrolyte. V. V. Neubashchenko, L. N. Antipin, A. V. Kuleshova. TSvet. met. 40 no. 4:53-57 Apr '67.

Interconnection between the electrochemical indices of quality and the current efficiency. G. G. Rannev, A. A. Salin, V. D. Ponomarev. Teor. i prakt. met. no. 7:262-266 '64.

Rate of loss of aluminum in cryolite-alumina melts. O. P. Beresimskaya, M. M. Vetrakov. TSvet. met. 40 no. 5:61-64 May '67.

Studying the dependence of anodic quality on the quantity and diameter of pins in aluminum electrolytic cells. A. A. Dmitriyev, M. A. Korobov, A. I. A. Sharunov. TSvet. met. 40 no. 4:47-52 Apr '67.

Testing new materials for supplying current to the cathode of an aluminum electrolytic cell. N. I. Voronin and others. TSvet. met. 40 no. 4:63-66 Apr '67.

ALUMINUM—METALLOGRAPHY

Studying the process of vacancy configuration occurrence on aluminum surfaces during hardening from high temperatures. I. U. D. Chistiakov and others. Izv. AN SSSR, Met. no. 2:116-151 May-June '67.

ALUMINUM—PICKLING

Preparation of aluminum surfaces prior to direct electrolytic nickel plating. I. U. A. Lukomskiy, V. V. Afanas'eva, T. V. Dorogova. Zashch. met. 3 no. 3:361-365 May-June '67.

ALUMINUM—SPECTRA

Absorption coefficients of aluminum in the 23.6-410 Å wavelength region of farsoft X-radiation. V. A. Fomichev, A. P. Lukirskiy. Opt. i spekt. 22 no. 5:788-789 May '67.

ALUMINUM—WELDING

Boichuk, G. A., V. R. Rikobov, and V. I. Umatova. [Present state of the technology of argon-arc welding of aluminum and its alloys to steel] Sovremennoe sostoyaniye tekhnologii argono-dugovoi svarki aluminia i ego splovov so stal'yu. Leningrad, 1967. 25 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy, Seriya: Progressivnye metody obrabotki materialov)

ALUMINUM ALLOYS

Antifrictional alloy with a low lead content. E. F. Merkulov. Sudostroenie 57 no. 2:77-80 Apr '67.

ALUMINUM CARBIDE

Phase constitution of skull formed during silicon-aluminum alloy smelting. N. A. Filonenko and others. Izv. AN SSSR, Met. no. 3:36-41 May-June '67.

ALUMINUM CHLORIDE

Kinetics of isalkylation reaction of aromatic compounds under aluminum chloride action. N. M. Lebedev, M. M. Greshin. Neftekhimiya 7 no. 2:199-207 May-Apr '67.

ALUMINUM COMPOUNDS

Comparative reactivity of alkyl and acetylene derivatives of aluminum. L. I. Zakharin, V. V. Gavrilenko, L. L. Ivanov. Zhur. ob. khim. 37 no. 5:992-997 May '67.

Interaction between triethylaluminum and benzoyl peroxide. E. B. Mitovskaya, E. I. Pokrovskiy, E. F. Fedotova. Izv. AN SSSR, Ser. khim. no. 5:1093-1096 May '67.

ALUMINUM FLUORIDES—THERMODYNAMICS

Mass spectrometric study of the thermodynamic properties of aluminum trifluoride. F. V. Erokhin and others. Izv. AN SSSR, Neorg. mat. 3 no. 5:873-874 May '67.

ALUMINUM FOUNDED

Filtering aluminum alloys. A. V. Kurdumov, L. A. Alekseev. Lit. proizv. no. 5:6-8 May '67.

ALUMINUM FOUNDED—MODELS

Modeling the founding of aluminum and magnesium alloys. E. A. Il'skovich. Lit. proizv. no. 4:13-16 Apr '67.

ALUMINUM INDUSTRY see subdivision under Kazakhstan, Sumgait (Azerbaijan)

ALUMINUM INDUSTRY—BY-PRODUCTS see subdivision under Kirovabad

ALUMINUM INGOTS

Columnar crystallization during continuous casting of aluminum. I. U. M. Valnibat, L. B. Bel. TSvet. met. 40 no. 4:85-87 Apr '67.

ALUMINUM-IRON ALLOYS see Iron-aluminum alloys

ALUMINUM OXIDES

Aluminum tungstate and some data on the interactions in the system $Al_2O_3 - WO_3$. I. P. Kisilakov, B. P. Lopatin. Izv. AN SSSR, Neorg. mat. 3 no. 5:903 May '67.

Efficient use of heat in the Bayer method of alumina production. N. S. Mal'ina, V. A. Beshchik. TSvet. met. 40 no. 1:57-62 Apr '67.

Kinetic regularities of radiation-induced chemisorption of oxygen on a $\gamma-Al_2O_3$ surface. I. U. A. Kolobovskiy, M. N. Masterova. Khim. i tek. 8 no. 2:309-315 May-Apr '67.

Selecting the optimum regime and evaluating the quality of anodic films in anodic oxidation of aluminum in sulfamic acid solutions. A. F. Bogoiavlenskii, N. M. Vovrozhna. Zhur. prikl. khim. 40 no. 3:565-569 Apr '67.

ALUMINUM PLANTS see subdivision under Kemerovo Province

ALUMINUM SHIPS see Ships, Aluminum

ALUMINUM-SILICON ALLOYS

Method for direct quantitative phase analysis by diffraction examination of aluminosilicon alloys. L. L. Zavalova, A. S. Ivailov, A. V. Shaonova. Zav. lab. 33 no. 3:303-305 '67.

ALUMINUM-SILICON ALLOYS—ELECTROMETALLURGY

Phase constitution of skull formed during silicon-aluminum alloy smelting. N. A. Filonenko and others. Izv. AN SSSR, Met. no. 3:36-41 May-June '67.

ALUMINUM-TITANIUM-CHROMIUM ALLOYS see Titanium-aluminum-chromium alloys

ALYATY UPLAND REGION—FOLDS (GEOLOGY)

Some problems of tectonic structure of Alyaty fold zone. M. A. Gludust, M. N. Asadov. Azerb. neft. khoz. 46 no. 1:1-4 Apr '67.

AMALGAMS

Determination of stability constants of oxalate complexes of zinc in potassium chlorate solutions. V. I. Kravtsov, V. N. Chameev. Vest. LGU 22 no. 4:94-100 Apr '67.

Effect of the support composition and pH of the medium on the determination of small amounts of indium by means of amalgam polarography with storage. I. P. Altman, F. A. Abdel Razik, E. N. Vinogradova. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2:74-78 May '67.

Using the amalgam decomposition energy on horizontal mercury electrolyzers. B. A. Ialovenko. Khim. priem. Uki. no. 3:38-39 May-June '67.

AMATEUR ART ACTIVITIES

Laurels and thorns of the festival. A. Amasovich. Sov. profsoyuz. 23 no. 8:34-35 May '67.

AMATEUR RADIO STATIONS

CQ-U. A. Matsas. Radio no. 5:14 May '67.

41A on the air. A. Matsas. Radio no. 5:15-16 May '67. Something amazing right next to you. A. Bychkov. Radio no. 5:17 May '67.

AMEBIASIS

Clinical course and X-ray study in amebiasis. A. G. Iosifian. Zhur. eksp. i klin. med. 7 no. 1:76-82 '67.

AMERICA—DISCOVERY AND EXPLORATION

Unknown Columbus. V. I. Gullayev. Priroda no. 5:42-52 May '67.

AMERICAN INVESTMENTS see Investments, American

AMERICAN LITERATURE—HISTORY AND CRITICISM

Doctoral dissertation on American literature of the 20th century. L. Evseeva. Vest. Mosk. un. Ser. 10. Filol. no. 3:98-99 May-June '67.

AMIDOMETHYLATION

Hydroxyamidomethylation of aromatic hydrocarbons. L. S. German, V. V. Podolskii, L. L. Kunitsants. Izv. AN SSSR Ser. khim. no. 5 1135-1136 My '67

AMINATION

Catalytic amination of dioxane. V. N. Grud'z', V. G. Symonova, V. V. Vamplova. Trudy BKNII no. 20 17-24 '66.

AMINE OXIDASE

Inhibition of monoamine oxidase activity by 2-n-acetylaminocyclohexene-2-one and related compounds. K. M. Ermolaev and others. Vop. med. khim. 13 no. 3 286-290 My-Je '67

AMINES

Basicity of amines of the piperidine series and basicity dependence on steric and polar factors. E. A. Misiukov, N. I. Yronova. Izv. AN SSSR Ser. khim. no. 4 789-793 Ap '67

Basicity of tertiary butylarylamines. E. G. Rozantsev, F. M. Egidis. Izv. AN SSSR Ser. khim. no. 1 932-933 Ap '67

Complex compounds of metals with some nitrogen-containing ligands. Part 6. Complexes of niobium trioxide with aromatic and heterocyclic amines. A. V. Leshchenko and others. Zhur. ob. khim. 37 no. 5 1069-1073 My '67.

Dissociation constants of fluorene-containing aliphatic amines. A. V. Podolskii, L. S. Grumina, I. L. Kunitsants. Izv. AN SSSR Ser. khim. no. 5 1134-1135 My '67.

Effect of the structure of primary alkylamines on the rate of reactions with arylsulfonchlorides. R. M. Litvinenko, A. F. Popov, I. V. Silashevskii. Zhur. ob. khim. 37 no. 5 1028-1036 My '67

Gold and silver extraction from cyanide solutions by technical amine mixtures. A. S. Cherniak and others. Tsvet. met. 40 no. 1 23-25 Ap '67.

Organic insectofungicides. Reaction of dialkylamidomethylphosphoryl chlorides with amines and hydrazines. A. I. Gerasov, L. V. Razvodovskaya, N. N. Mel'nikov. Zhur. ob. khim. 37 no. 1 828-831 Ap '67

Physicochemical analysis of binary liquid systems formed by amines. Part 3. Systems pipetidine - amines. I. U. A. Flakov, O. V. Chivruk. Zhur. ob. khim. 37 no. 4 754-758 Ap '67

Production of N-(α -phenylethyl)-amines. N. V. Matlynov, I. A. Bruske. Khim. prom. 12 no. 111 N '66

S-carbamoylthioglycolic derivatives of some aromatic amines. V. I. L'vovych, Karmal'sev. Zhur. 22 no. 2 5-8 '67

AMINES—PHYSIOLOGICAL EFFECT

Significance of central monoaminergic mechanisms in the action of pharmacological substances on the reflex reaction of the heart. N. V. Kavelina, R. S. Mitrofanov, I. U. Rozumov. Biol. eksp. biol. med. 63 no. 6 54-64 Je '67

AMINES—SPECTRA

General systems. Report No. 7. Basicity of amines. E. E. C. N. for the elements of group IV. A. K. Prokof'ev, V. P. Nechiporenko, R. G. Kostikovskii. Izv. AN SSSR Ser. khim. no. 4 794-801 Ap '67

AMINO ACID METABOLISM

Effect of serotonin on the level of free amino acids in the tissues of the brain and liver. S. V. Zakharov. Biol. eksp. biol. med. 63 no. 6 41-43 Je '67

Glucose effect on transformation of amino acids in rat brain sections. M. R. Karabekishvili, N. V. Gvulia. Soob. AN Gruz. SSR 46 no. 2 371-377 My '67

AMINO ACIDS

Amino acid and peptide derivatives of the indole series. Part 1: Synthesis of N-amino acid derivatives of indole and indoline. A. D. Nekhidov, L. A. Shekukina, N. N. Suvorov. Zhur. ob. khim. 37 no. 4 797-800 Ap '67

Amino acid composition of some plants of the Crassulaceae family. P. A. Maedkov, Karmal'sev. Zhur. 22 no. 2 18-53 '67.

Biosynthesis of free amino acids by *Proteus vulgaris* 14K on media with organic acids. V. N. Shaposhnikov, V. S. Isaeva. Mikrobiologiya 36 no. 2 197-201 Mi-Au '67

Changes in amino acid composition of bulk protein in *Aeromonas gracilis* Artari in relation to nitrogen nutrition. M. V. Pakhomova, E. V. Urina. Nauch. dokl. vys. shkoly, biol. nauki 10 no. 4 101-104 '67.

Changes in free amino acids in the process of tea production. M. A. Bokuchava, S. G. Georgadze, V. R. Popov. Soob. AN Gruz. SSR 46 no. 1 111-114 Ap '67.

Structure of antibiotic albomycin. Part 10: Study of copper complexes of hexapeptides with different order of sequence and configuration of serine and ornithine. N. A. Poddubnaia, Akhmed M. el-Naggar. Zhur. ob. khim. 37 no. 4 819-826 Ap '67

Synthesis and hydrolytic stability of amino acid derivatives of uridine cyclophosphates. N. N. Probozhen-skaya, Z. A. Shabarova, M. A. Prokof'ev. Dokl. AN SSSR 174 no. 1 100-103 My '67.

Utilization of some amino acids by *Pseudomonas pyocyanus* II in relation to their molecular weight and electrical charge. T. N. Elizarova. Mikrobiologiya 36 no. 2 243-248 Mi-Ap '67

AMINO ACIDS AS FEED

Evaluating amino acid requirements of chicks raised for egg production. N. G. Grigor'ev. Vest. sel'khoz. nauki 12 no. 5 70-71 My '67

Studying the requirements of amino acids by chicks raised for egg production. N. N. Grigor'ev. Khim. v sel'khoz. 5 no. 5 52-55 '67.

Using synthetic lysine and methionine in rations for chicks grown for meat. N. M. Il'in. Khim. v sel'khoz. 5 no. 6 19-53 Je '67

AMINO ACIDS AS FEED—CONGRESSES

All-Union conference on amino acid feeding of swine and poultry. M. F. Iumne. Vest. sel'khoz. nauki 12 no. 5 155-156 My '67

AMINO COMPOUNDS

Amino derivatives of 2,4-methylene-3-methoxyxytol. A. N. Ankeeva and others. Zhur. ob. khim. 37 no. 5 997-1000 My '67

AMINOALKYL GROUPS

Identification of aminoalkyl ester derivatives of arylsulfonic acids by means of azo dyes. V. G. Belikov, I. A. Kul'. Farmatsia 16 no. 2 18-52 Mi-Ap '67

AMINOTRANSFERASES see Transaminases

AMMONIA

Content of thiocyanates and ammonia in the blood of some laboratory animals. T. V. Astakhova, A. A. Golubev. Biol. eksp. biol. med. 61 no. 6 49-50 Je '67.

Electrochemical method of regenerating ammonia from the filtered liquid of soda production. V. K. Beldin and others. Khim. prom. Uki. no. 5 51-53 S-O '66.

Production of converted gas for ammonia synthesis from the Lake Gushoye coal. V. A. Zhukov and others. Trudy BKNII no. 20 211-225 '66.

Removing impurities from ethylene using ammonia. L. V. Taisman, F. A. Kravtsova, L. A. Belousova. Neftepi. i neftekhim. no. 2 36-37 '67.

Synthesis of nitrogen-containing polymers based on acetaldehyde and ammonia. V. N. Gud'z', I. I. Vdovina, A. D. Dariev. Trudy BKNII no. 20 85-91 '66.

AMMONIUM CARBONATES

Ratio between the speeds of interaction of nitrogen oxides with ammonium carbonates in a solution and in the gaseous phase. B. N. Gushchina, V. I. Atroschenko. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 10 no. 3 314-318 '67.

AMMONIUM CHLORIDE

Determination of ammonium chloride in the catalyst for the synthesis of acrylonitrile. N. I. Labinskaya, V. I. Naratova. Zav. lab. 33 no. 3 296 '67.

Effect of 2-chloroethyltrimethyl ammonium chloride on water balance in plants. N. N. Kharatyan. Fiziol. rast. 14 no. 3 511-551 My-Je '67.

AMMONIUM COMPOUNDS

Ion exchange sorption of quaternary ammonium bases on sulfonated resins of varying structure. G. V. Samsonov, B. V. Moskvichev. Izv. AN SSSR Ser. khim. no. 4 712-716 Ap '67

Synthesis of new Quaternary ammonium compounds from crude oil. I. I. Hamarov and others. Azerb. nef. khoz. 46 no. 4 30 Ap '67.

Use of chlorocholine chloride for preventing the lodging of wheat and rice. M. I. Likhovskii, O. S. Osadchaya. Khim. prom. Uki. no. 3 22-24 My-Je '67

AMMONIUM PERCHLORATE

Inhibition of thermal decomposition of ammonium perchlorate by products of decomposition. B. S. Svetlov, V. A. Koroban. Khim. i kat. 8 no. 2 456-459 Mr-Ap '67.

Mechanism underlying the effect of additions on the thermal decomposition of ammonium perchlorate. A. V. Boldyrev, B. N. Bezukov, V. V. Boldyrev. Khim. i kat. 8 no. 2 299-303 Mi-Ap '67.

AMMONIUM PHOSPHATES—SOLUBILITY

Solubility in systems containing urea and ammonium phosphates. G. L. Tudorovskaya, F. G. Margolis. Khim. prom. 42 no. 9 38-40 S '66.

AMMONIUM SALTS

Decomposition of ammonium bases containing polyfluoroalkyl groups. L. S. Geisman, A. V. Podolskii. Dokl. AN SSSR 173 no. 6 1328-1331 Ap '67

AMMONIUM SULFATE

Russia (U. S. S. R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Refined ammonium sulfate] Ammonii sernokisliyi (sulfatammonia) oshchschenniy. GOST 10873-64. Izd. ofitsial'noe, Moskva [Izd. vo Standartov] 1964. 13 p. (SSSR. Gosudarstvennyye standarty)

AMMONIUM SULFITES

Kinetics of the evolution of SO₂ from solutions of ammonium sulfitebisulfite in packed columns. B. A. Chernikov. Khim. prom. 42 no. 9 45-49 S '66.

AMMONODEA see subdivision under Yaroslavl Province

AMOEBAS

Effect of Amoeba verrucosa on ascariid eggs. L. P. Kosimovskaya-Nikitina. Med. parazit. i parazit. bol. 36 no. 2 181-181 Mi-Ap '67

Role of soil Amoeba albida in cotton wilt control. V. F. Nikolskiy, N. V. Tapol'skaya. Uzb. biol. zhur. 11 no. 2 11-14 '67.

AMPHIBOLES

(see also subdivision under Ural Mountains)

Mechanism of the formation of anthophyllite-asbestos. V. V. Belakov, A. I. A. Khmara. Dokl. AN SSSR 174 no. 1 185-188 My '67

AMPHIPODA see subdivision under Moldavia

AMPLIFIERS (ELECTRONICS)

Amplifying device with a high-resistance input operating in the range of 6 - 14 Hz frequencies. V. P. Korotkov, I. U. N. Konovalov, M. V. Robachevskii. Opt. -mekh. prom. 31 no. 5 21-24 My '67

Determination of the parameters of the output circuit of a Klystron amplifier with double interaction. A. Z. Khaikov. Radiotekhnika 22 no. 5 78-84 My '67

How an amplifier works. V. P. Demidov. Vest. protivovozd. obr. no. 1 74-77 Ap '67

Method for analytical representation of nonlinear characteristic of the output transformer of the group amplifiers of a long-distance communication system. B. P. Borisov. Elektrosviaz' 21 no. 4 53-61 Ap '67.

Rectangular light pipes for logical elements on injection semiconductor lasers. L. N. Kuchikyan. Izv. vys. ucheb. zav. prib. 10 no. 4 20-23 '67

Transfer constant of an operational amplifier with four-terminal subnetworks in the feedback circuit. A. A. Titun. Teor. elektrotekhn. no. 2 73-80 '66.

Videoamplifier with a combined correction. V. E. Katukhin, V. M. Karpichnikov. Tekhn. kino i teletv. 11 no. 5 43-45 My '67

AMPLIFIERS (ELECTRONICS)—NOISE

Noises of linear amplifiers and selection of optimal signal source impedances. L. M. Blumberg. Elektrosviaz' 21 no. 4 77-80 Ap '67.

AMPLIFIERS, ELECTRON—TUBE

Design of an amplifying stage taking into account parameter scatter. K. S. Glinenko, Kh. M. Palantova. Teor. i elektrotekhn. no. 2 63-66.

Mednikova, L. V., E. I. Lazarevich, and L. V. Besschel-nova. [Correction of frequency characteristics in audio frequency amplifiers, a textbook] Korrektsiya chastotnykh kharakteristik v usilitel'akh zvukovykh chastot, ucheb.-noco posobie. Leningrad, 1967. 69 p.

AMPUTATIONS OF LEG

Calender's fascioplasty amputation of the hip in gangrene. Khim. khim. no. 3 83 Mr '67.

AMU DARYA—IRRIGATION

Interaction between sediment composition and content in Amu Darya irrigation systems. N. Bekimov, V. K. Tian. Izv. AN Uz. SSR Ser. tekhn. nauk. 11 no. 3 11-45 '67

AMU DARYA VALLEY—GAS, NATURAL—GEOLOGY

Some regularities in distribution of oil and gas pools in Amu Darya Depression. B. I. Barash, V. I. Veto, A. A. Klechchev. Trudy VNIGNI no. 49 140-148 '66.

AMU DARYA VALLEY—GEOLOGY, STRUCTURAL

Tectonics of Bagdadzha swell in light of geophysical data. B. I. Tepitskaya, A. A. Barkhudar'yan, V. A. Tepitskii. Trudy VNIGNI no. 19 171-174 '66.

AMU DARYA VALLEY—PETROLEUM GEOLOGY

Some regularities in distribution of oil and gas pools in Amu Darya Depression. B. I. Barash, V. I. Veto, A. A. Klechchev. Trudy VNIGNI no. 49 140-148 '66.

AMU DARYA VALLEY—SEISMIC PROSPECTING

Methodology and results of seismic studies in Amu Darya region and trans-Ungur Kara Kum in order to search for and explore structures. V. A. Tepitskii. Trudy VNIGNI no. 49 187-184 '66.

Tectonics of Bagdadzha swell in light of geophysical data. B. I. Tepitskaya, A. A. Barkhudar'yan, V. A. Tepitskii. Trudy VNIGNI no. 49 171-174 '66.

AMULETS

Amulet from leopard jaw. I. S. Vinokur, G. N. Khotum. Priroda no. 4 127-128 Ap '67.

AMUR PROVINCE—EPIDEMIOLOGY—CONGRESSES

Results of the 3d Jubilee Scientific and Practical Conference of Epidemiologists, Infectious Disease Specialists, Microbiologists and Public Health Physicians of Amur Province, dedicated to the 50th Anniversary of Soviet Power. G. V. Skolobovskiy, Zhur. mikrobiol., epid. i immun. 44 no. 6 153-155 Je '67.

1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 26

1. 11. 1947, 10. 11. 1947, 11. 11. 1947, 12. 11. 1947, 13. 11. 1947, 14. 11. 1947, 15. 11. 1947, 16. 11. 1947, 17. 11. 1947, 18. 11. 1947, 19. 11. 1947, 20. 11. 1947, 21. 11. 1947, 22. 11. 1947, 23. 11. 1947, 24. 11. 1947, 25. 11. 1947, 26. 11. 1947, 27. 11. 1947, 28. 11. 1947, 29. 11. 1947, 30. 11. 1947, 1. 12. 1947, 2. 12. 1947, 3. 12. 1947, 4. 12. 1947, 5. 12. 1947, 6. 12. 1947, 7. 12. 1947, 8. 12. 1947, 9. 12. 1947, 10. 12. 1947, 11. 12. 1947, 12. 12. 1947, 13. 12. 1947, 14. 12. 1947, 15. 12. 1947, 16. 12. 1947, 17. 12. 1947, 18. 12. 1947, 19. 12. 1947, 20. 12. 1947, 21. 12. 1947, 22. 12. 1947, 23. 12. 1947, 24. 12. 1947, 25. 12. 1947, 26. 12. 1947, 27. 12. 1947, 28. 12. 1947, 29. 12. 1947, 30. 12. 1947, 1. 1. 1948, 2. 1. 1948, 3. 1. 1948, 4. 1. 1948, 5. 1. 1948, 6. 1. 1948, 7. 1. 1948, 8. 1. 1948, 9. 1. 1948, 10. 1. 1948, 11. 1. 1948, 12. 1. 1948, 13. 1. 1948, 14. 1. 1948, 15. 1. 1948, 16. 1. 1948, 17. 1. 1948, 18. 1. 1948, 19. 1. 1948, 20. 1. 1948, 21. 1. 1948, 22. 1. 1948, 23. 1. 1948, 24. 1. 1948, 25. 1. 1948, 26. 1. 1948, 27. 1. 1948, 28. 1. 1948, 29. 1. 1948, 30. 1. 1948, 1. 2. 1948, 2. 2. 1948, 3. 2. 1948, 4. 2. 1948, 5. 2. 1948, 6. 2. 1948, 7. 2. 1948, 8. 2. 1948, 9. 2. 1948, 10. 2. 1948, 11. 2. 1948, 12. 2. 1948, 13. 2. 1948, 14. 2. 1948, 15. 2. 1948, 16. 2. 1948, 17. 2. 1948, 18. 2. 1948, 19. 2. 1948, 20. 2. 1948, 21. 2. 1948, 22. 2. 1948, 23. 2. 1948, 24. 2. 1948, 25. 2. 1948, 26. 2. 1948, 27. 2. 1948, 28. 2. 1948, 29. 2. 1948, 30. 2. 1948, 1. 3. 1948, 2. 3. 1948, 3. 3. 1948, 4. 3. 1948, 5. 3. 1948, 6. 3. 1948, 7. 3. 1948, 8. 3. 1948, 9. 3. 1948, 10. 3. 1948, 11. 3. 1948, 12. 3. 1948, 13. 3. 1948, 14. 3. 1948, 15. 3. 1948, 16. 3. 1948, 17. 3. 1948, 18. 3. 1948, 19. 3. 1948, 20. 3. 1948, 21. 3. 1948, 22. 3. 1948, 23. 3. 1948, 24. 3. 1948, 25. 3. 1948, 26. 3. 1948, 27. 3. 1948, 28. 3. 1948, 29. 3. 1948, 30. 3. 1948, 1. 4. 1948, 2. 4. 1948, 3. 4. 1948, 4. 4. 1948, 5. 4. 1948, 6. 4. 1948, 7. 4. 1948, 8. 4. 1948, 9. 4. 1948, 10. 4. 1948, 11. 4. 1948, 12. 4. 1948, 13. 4. 1948, 14. 4. 1948, 15. 4. 1948, 16. 4. 1948, 17. 4. 1948, 18. 4. 1948, 19. 4. 1948, 20. 4. 1948, 21. 4. 1948, 22. 4. 1948, 23. 4. 1948, 24. 4. 1948, 25. 4. 1948, 26. 4. 1948, 27. 4. 1948, 28. 4. 1948, 29. 4. 1948, 30. 4. 1948, 1. 5. 1948, 2. 5. 1948, 3. 5. 1948, 4. 5. 1948, 5. 5. 1948, 6. 5. 1948, 7. 5. 1948, 8. 5. 1948, 9. 5. 1948, 10. 5. 1948, 11. 5. 1948, 12. 5. 1948, 13. 5. 1948, 14. 5. 1948, 15. 5. 1948, 16. 5. 1948, 17. 5. 1948, 18. 5. 1948, 19. 5. 1948, 20. 5. 1948, 21. 5. 1948, 22. 5. 1948, 23. 5. 1948, 24. 5. 1948, 25. 5. 1948, 26. 5. 1948, 27. 5. 1948, 28. 5. 1948, 29. 5. 1948, 30. 5. 1948, 1. 6. 1948, 2. 6. 1948, 3. 6. 1948, 4. 6. 1948, 5. 6. 1948, 6. 6. 1948, 7. 6. 1948, 8. 6. 1948, 9. 6. 1948, 10. 6. 1948, 11. 6. 1948, 12. 6. 1948, 13. 6. 1948, 14. 6. 1948, 15. 6. 1948, 16. 6. 1948, 17. 6. 1948, 18. 6. 1948, 19. 6. 1948, 20. 6. 1948, 21. 6. 1948, 22. 6. 1948, 23. 6. 1948, 24. 6. 1948, 25. 6. 1948, 26. 6. 1948, 27. 6. 1948, 28. 6. 1948, 29. 6. 1948, 30. 6. 1948, 1. 7. 1948, 2. 7. 1948, 3. 7. 1948, 4. 7. 1948, 5. 7. 1948, 6. 7. 1948, 7. 7. 1948, 8. 7. 1948, 9. 7. 1948, 10. 7. 1948, 11. 7. 1948, 12. 7. 1948, 13. 7. 1948, 14. 7. 1948, 15. 7. 1948, 16. 7. 1948, 17. 7. 1948, 18. 7. 1948, 19. 7. 1948, 20. 7. 1948, 21. 7. 1948, 22. 7. 1948, 23. 7. 1948, 24. 7. 1948, 25. 7. 1948, 26. 7. 1948, 27. 7. 1948, 28. 7. 1948, 29. 7. 1948, 30. 7. 1948, 1. 8. 1948, 2. 8. 1948, 3. 8. 1948, 4. 8. 1948, 5. 8. 1948, 6. 8. 1948, 7. 8. 1948, 8. 8. 1948, 9. 8. 1948, 10. 8. 1948, 11. 8. 1948, 12. 8. 1948, 13. 8. 1948, 14. 8. 1948, 15. 8. 1948, 16. 8. 1948, 17. 8. 1948, 18. 8. 1948, 19. 8. 1948, 20. 8. 1948, 21. 8. 1948, 22. 8. 1948, 23. 8. 1948, 24. 8. 1948, 25. 8. 1948, 26. 8. 1948, 27. 8. 1948, 28. 8. 1948, 29. 8. 1948, 30. 8. 1948, 1. 9. 1948, 2. 9. 1948, 3. 9. 1948, 4. 9. 1948, 5. 9. 1948, 6. 9. 1948, 7. 9. 1948, 8. 9. 1948, 9. 9. 1948, 10. 9. 1948, 11. 9. 1948, 12. 9. 1948, 13. 9. 1948, 14. 9. 1948, 15. 9. 1948, 16. 9. 1948, 17. 9. 1948, 18. 9. 1948, 19. 9. 1948, 20. 9. 1948, 21. 9. 1948, 22. 9. 1948, 23. 9. 1948, 24. 9. 1948, 25. 9. 1948, 26. 9. 1948,

[illegible]

10. The effect of climatic treatment on coronary
11. The effect of climatic treatment on stenocardia in
12. The effect of climatic treatment on the heart in the winter
13. The effect of climatic treatment on the heart in the summer
14. The effect of climatic treatment on the heart in the autumn
15. The effect of climatic treatment on the heart in the spring

Angiographic characteristics of veins of the lower extremities under normal conditions and in pathology. St. M. Guberman, G. M. Andriashin. Zhur eksp i klin. med. 7

2. L. Chir. angiography of the celiac artery in the diagnosis of a tumor of the pancreas. Kh D. Kulieva and others
Sov. med zh 44 no. 1 78-81 Ja 67

1. Inherent distortion in internodes of angiospermous plants
A. Arch. Soc. AN Gluz. SR 46 no 2 117-191. My.

1. The method of complete angular momentum in the
theory of diffraction scattering B I Tishchenko, M P
Mikhailov, Izv. Vuzov 5 1972 1020 May 1972

^c 100% alk. soln of amine by t-butanol, N S 1 uba-
m m p A Paper Zhur patl khim 10 no 16 10-613
^b 1967

ANIMAL HEAT

1. & Timothy's "New-arriving function and the alkali
1. action in lung tissue." J. A. Ross. Usp sov. biol.
2. 1962-365 N-D '61.

*Literature on the locomotion of terrestrial vertebrates
Report No 1 General classification of "symmetric gait"
V B Sukhino Bul MOIP Old biol 72 no 2 118-111
Mr 3p 1971

Summary of Black Sea fishes. E. V. Shishkova, Ryb.
 No. 43 no. 4 20-21 1967

Summary of Black Sea fishes. E. V. Shishkova, Ryb.
 No. 43 no. 5 19-22 1967

Similar characteristics of zoology and the transition to
anthropomorphism among the Indo-Irans and Slavs
I. I. Zolotarev Sov. slav. no 3 45-52 Msk. 67

Contribution to the analysis of the concept of "natural focus" of disease I G Voronov, Vest Mosk un
Ser 5 Geng 22 no 2-3-16 Mh - In '67

ANISOTROPY

Isotropy of graphite reactivity G M Volkov, V. I.
Kalinin Dokl Akad. Nauk 171 no. 1 121-123 May '67
Similarity of the driving process with plastic flow

ANNEALING OF METALS
Annealing chill castings of malleable cast iron. J. V.
Firth, & V. Bibilaud. Int. Assoc. 1911, 1, 10.

annealing dull castings of malleable cast iron. L. V.
F. B. V. Bibblius. It prozv. no 536-37 My '67.
Distillation processes during annealing of deformed
Cast. Is. of. 1867.

1 Piece of preliminary annealing on secondary recrystallization of transformer steel. B. G. Livshits, R. I. Malinova, I. V. Novikov, Izv. AN SSSR, Met. no. 118-121, May-Jc '67

Removal of nitrogen and carbon during high-temperature vacuum annealing of cold-rolled steel sheets. E. Fochman, A. N. Morozov, R. B. Gerasimov. *Met. Eng.* 1967, no. 7, 210-21, 1967.

Effect of increased oxygen and the pressure in a sealed
 tal hypoxia caused by acute poisoning with methemoglobin-
 forming agents. B R Glantz, A F Lenz and
 Voet.-med. zhurn. no 5 31-31 May '66

Hypoxia and its effect on the human body. 4. 22. 1968.
Voer-med-shui no. 5 of 51 M. 1968

Magnetic properties and age of dolerites in the volcanic sector of East Antarctica. I. S. Voronov, A. G. Ivanov, Probl. Arkt. i Antarkt., no. 25, 1976-1977, 11 pp.

Paleomagnetism of diatremes. In the central part of the Antarctic Peninsula, A. G. Komenov, *Prilozh. k Vestn. Akad. Nauk SSSR*, no. 26, 1972, 92-102.

Magnetic properties and use of dolerites in the coastal
sector of East Antarctica. P. S. Voronov, A. A. L. Kozlov
Probl. Arkt. i Antark. no. 25 1971-1972, 40 p.

Sublatitudinal fault in the eastern part of the Ross Sea region of eastern Antarctica (60°W, 140°E) by Siroev, A. I. and others. Izv. AN SSSR 1967, 86-91. May 1967.

absorption of a type of postal cap by the American, 1965. V.M. Dardak, Probl. Vych. i Obraz. 81-86, 1965.

Absorption of a type of polystyrene cap in the Antarctic, 1965, V. M. Dmitriyev, Probl. Yekol. Antarkt. 1967, 81-86.

characteristic of the preparation for plotting of the
introductory map from the atlas of Antarctica. I. I.
Bullakov. Good that no 1120-11 N 100.

Anticifer P. S. Volonov, A. G. Komarov. Printed
Akht. Izn. no 26 95 97 96/2

Characteristics of granulometry of Quaternary sediments in the eastern Antarctic. P. S. Vinnikov. Probl. Ant. i Antarkt. no. 95 87-101 1964.

Absorption of a type of polar cap in the Antarctic, 1965. V M Delat'skiy. Probl. Arkt. i Antarkt, no. 1, 81-86, 1967.

Directivity factor of an antenna with Tchebysheff pattern, L. G. Sodin, I. L. Vozintskii, *Izvestiya vuzov. Radiofizika*, no. 126-30, Apr 1967.

Klatskin, I.G. [Fundamentals of the theory of linear antennas; a textbook] Osnovy teorii lineynykh anten. Uchebnoe posobie. Leningrad, 1966 28 p.

Slonov, A. V., and A. Z. Firsov. [Antenna feeder by means of laboratory manual] Antenna-fidernye ustroystva, primeniamye po laboratornym rabotam. Leningrad, 1967. 77 p. Statistical synthesis of antenna feeders.

ANTHELMINTICS
Use of mice infected with *Ganglioterakis spinicauda* in experimental therapy of some nematodiasoses. T. I. Konopleva, Med. paraz i parazit. bol. 49 no. 7-10 344 My-Je 1967.

Anthracene and 9-bromoanthracene as fluorescence quenchers of dimethylanthracene excimer. N.I. Ivanenko, I.T. Obyedkovskaya, A.S. Cherkanov, Opt. Spekt., 22 no. 5:752-757 My 1977.

Fine structure of the fluorescence spectrum of anthracene vapors. V.F. Klochko, T.S. Smirnova, Opt. Spekt., 22 no. 5:881-883 My 1977.

ANTHRACENE CRYSTALS—SPECTRA

Reflection spectra of anthracene crystals and the structure of excitation zones. S. V. Marisova. Opt. i spektr. 22 no. 4:566-571 Apr '67

ANTHRAQUINONECARBOXYLIC ACID

Antibacterial effect of anthraquinone and anthraquinonecarboxylic acids. V. P. Lobov, V. M. Cherkasov. Khim. priroim. Uzb. no. 5:23-24 S-O '66

ANTHRAQUINONES

Polarographic study of monochloranthraquinones. V. D. Bezuglyi and others. Zhur. ob. khim. 37 no. 4:778-783 Apr '67

ANTHRAX—MICROBIOLOGY

Microflora of suppurative necrotic anthrax of extremities in reindeer. Report No. 1. A. Kh. Lalshev, A. G. Maslakhova, M. I. Zharikova. Trudy Nauch.-issl. inst. sel'khoz. Kraiu. Sev. 13:29-31 '66

ANTHRAX—PREVENTIVE INOCULATION

[See also subdivision under Kazakhstan]

Full anthrax inoculation of reindeer. V. P. Zharinuk. Trudy Nauch.-issl. inst. sel'khoz. Kraiu. Sev. 13:89-91 '66

ANTHRAX, SYMPTOMATIC—PREVENTIVE INOCULATION

See subdivision under Kazakhstan

ANTHROIC ACID

Herbicidal effect of anthracene- and anthraquinonecarboxylic acids. V. P. Lobov, V. M. Cherkasov. Khim. priroim. Uzb. no. 5:23-24 S-O '66

ANTHIPOPOGRAPHY

Concerning the unity of geography (landforms and ethnology). Part 6. L. N. Gumilev. Vest. i GU. 22 no. 6:120-129 May '67

ANTHIPOPOGRAPHY—CONGRESSES

Conference on population geography. G. M. Iappo. Priroda no. 5:117 May '67

ANTHIPOPOLOGY

See subdivision under Caucasus, Northern

ANTIROPOMORPHISM

Similar characteristics of isolates and the transition to anthropomorphism among the Indo-Viyans and Slavs. L. A. Zorubina. Sov. slav. no. 3:15-52 May-Je '67

ANTIARCAFT ARTILLERY

Automatic control systems in anti-aircraft defense. P. Bl. Vorozh. 25 no. 11:84-89 Nov '66

Service troops of the country's anti-aircraft defense forces. P. Sukhachev. Ty. i snab. Sov. Vost. Sit. 27 no. 5:12-16 May '67

ANFIBIOSES

Bacterial foci of diptheria in bacilli. N. V. Tashputatova, M. G. Kiyova. Zhur. mikrobiol., epid. i immun. 41 no. 5:79-80 May '67

ANTIBIOTIC METABOLISM

Characteristics of the rabbit body from polymyxin M. S. T. I. Ispovodnik. Antibiotiki 12 no. 5:314-319 May '67

Metabolites of benzyt penicillin detected by means of paper chromatography. L. M. Iakobson, L. N. Astanina. Antibiotiki 12 no. 5:392-395 May '67

ANTIBIOTICS

Antibiotics. Z. V. Ponomareva. Sov. med. 30 no. 5:3-7 May '67

Antibiotics in necrobacillosis of reindeer. B. V. Maslakhova. Trudy Nauch.-issl. inst. sel'khoz. Kraiu. Sev. 13:5-9 '66

Antibiotics in polyvinyl alcohol films for the treatment of infectious diseases of the eyes. III. F. Alanchuk. Antibiotiki 12 no. 5:432-435 May '67

Effect of antibiotics on the content of some trace elements in the culture cells of Proteus bacteria. V. M. Vihvitskii. Antibiotiki 12 no. 5:426-430 May '67

Effect of different preservatives on micro-organisms in eye drops. M. A. Chalkovskaya. Gammatsev zhur. 22 no. 2:37-42 '67

Experimental study of the antineoplastic activity of the antibiotic tauromycesin. V. A. Shoi in and others. Antibiotiki 12 no. 5:355-360 May '67

Microbiological and chemotherapeutic study of the antibiotic mutabilin. M. A. Petrova and others. Antibiotiki 12 no. 5:401-407 May '67

Nature of some pigment antibiotics of Actinomyces with orange and violet substrate mycelium. M. A. Svetsnikova, T. P. Probiashenskaya, N. O. Blinov. Antibiotiki 12 no. 5:380-391 May '67

Pharmacological study of the antibiotic tauromycesin. L. G. Golberg, V. E. Baumshteyn. Antibiotiki 12 no. 5:360-368 May '67

Treatment of chronic dysentery with blood transfusions combined with mycelin and other antibiotics. A. T. Telichko, A. G. Nersisova. Zhur. eksp. i klin. med. 7 no. 1:83-88 '67

Use of different methods in primary selection of antineoplastic antibiotics. L. P. Ivanitskaya, G. D. Uptier. Antibiotiki 12 no. 5:369-375 May '67

ANTIBIOTICS—SIDE EFFECTS

Effect of antibiotic acetols on some indices of natural immunity in workers occupied in their production. I. F. Kalonits, P. I. Gal'antse. Antibiotiki 12 no. 5:438-442 May '67

ANTIBIOTICS—STANDARDS

Denomination of antibiotics. Z. A. Vaksman. Antibiotiki 12 no. 5:130-131 May '67

ANTICOAGULANTS (MEDICINE)

Pathogenesis of rebound effect of anticoagulating treatment. N. M. Rzaev, D. D. Zakirzadev. Dokl. AN Azerb. SSR. 23 no. 1:80-83 '67

ANTIGENS AND ANTIBODIES

Antibody biosynthesis in vitro in cells of nonimmune animal spleen induced by homologous RNA fractions from immunized donors. B. D. Stanchev. Mol. biol. i no. 1:1-11 Jan '67

Antibody-forming function in a regenerated spleen. G. V. Kharitova, N. A. Krasnikova, V. I. Levenson. Biol. i med. 61 no. 6:74-77 Je '67

Autocontrol in the process of antibody formation. Report No. 1. Effect of passively introduced 75 and 195 antibodies on antibody formation in immunization with Vi-antigen of *Salmonella typhi*. V. I. Levenson, F. V. Cherkashovskaya. Zhur. mikrobiol., epid. i immun. 41 no. 1:10-11 Apr '67

Biological properties and chemical nature of antigens of paratyphoid bacilli. L. K. Stupanova and others. Zhur. mikrobiol., epid. i immun. 41 no. 6:38-42 Je '67

Detection of antibodies against gram-negative bacteria in the sera of nonimmunized rabbits by means of agglutination and immunofluorescent reactions. I. I. Lifanova, Zhur. mikrobiol., epid. i immun. 41 no. 6:123-127 Je '67

Effect of age factor on the processes of antigen absorption and antibody formation in rabbits. S. I. Ginzburg, Kalitina, F. F. Vakulova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:20-26 '67

Effect of light and heavy gamma globulin chains on synthesis of antibodies and non-specific gamma globulins in vitro. A. F. Gerasimov, V. I. Skvortsov. Mol. biol. i no. 1:35-40 Jan '67

Experimental study of the effect of the multiplicity factor of vaccinations with polyvalent vaccine and Vi-antigen of *Salmonella typhi* on the development of immunological indices. A. I. Gokhovnikova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:77-82 '67

Immunity to *Salmonella typhi* infection; experimental study. Report No. 2. O-antibodies (95 and 75) and resistance to the O-variant of the typhoid bacillus. L. S. Standslavskii, N. G. Pish, V. D. Balaban, Zhur. mikrobiol., epid. i immun. 44 no. 4:20-26 Apr '67

Immunity to *Salmonella typhi* infection; experimental study. Report No. 3. Dynamics of forming 195 and 75 antibodies and specific resistance in immunization with cellular components of *Salmonella typhi* immunum. L. S. Standslavskii, N. G. Pish, Zhur. mikrobiol., epid. i immun. 44 no. 6:10-15 Je '67

Localization of pertussis antigen and antibodies in animal body. R. E. Zerkova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:66-71 '67

Nervous regulation of the process of immunogenesis. Report No. 1. Difference in the content of antibodies in white rats depending on the type of their nervous system. V. D. Myrza, L. V. Myrza. Zhur. mikrobiol., epid. i immun. 41 no. 5:53-60 May '67

Obtaining of antibodies to antigens of kidney tissue. N. G. Andreeva, Zhur. mikrobiol., epid. i immun. 41 no. 6:119-123 Je '67

Study of the cellular reactivity of the animal body in various ways of introduction of dysentery antigen. S. I. Ginzburg, Kalitina, E. I. Vakulova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:3-19 '67

Study of the properties of complete antigens obtained from type c and flexner's dysentery bacilli containing thermostable antigen. Report No. 2. M. I. Ignatova, L. K. Kas'lanova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:137-145 '67

Transplacental transmission of antibodies to tetanus and diptheria exotoxins and pathogen of whooping cough. G. A. Fomenko, F. I. Kravtsov, T. M. Bulbinder. Zhur. mikrobiol., epid. i immun. 44 no. 5:70-72 May '67

Use of *Salmonella typhi* Vi-antigen or the immunization of preschool-age children. G. P. Lalain and others. Zhur. mikrobiol., epid. i immun. 44 no. 6:66-66 Je '67

ANTIGENS AND ANTIBODIES—ANALYSIS

Anaphylaxis test with desensitization as a method for determining the species affiliation of helminth antigens. R. G. Zaitseva. Med. parazit. i parazit. bol. 36 no. 2:201-203 Mar-Apr '67

Comparative evaluation of hemagglutinating and precipitating indicator systems in the reaction of the detection of incomplete circulating autoantibodies. E. V. Benenson, L. K. Burenkova, Zhur. mikrobiol., epid. i immun. 44 no. 6:97-102 Je '67

Formation of antibodies 195 and 75 and the immunological memory in immunization of mice with Vi- and O-antigens. V. I. Levenson, E. Cherkashovskaya, Zhur. mikrobiol., epid. i immun. 41 no. 6:46-50 Je '67

Immunological characteristics of typhoid O-antibodies in humans and experimental animals, according to data of radioimmunoelectrophoresis. E. V. Cherkashovskaya, V. I. Anokhin, V. I. Zheravskaya. Zhur. mikrobiol., epid. i immun. 41 no. 6:15-17 Je '67

Methodology of detecting incomplete iso- and autoimmune antibodies. O. V. Uspenskaya. Probl. gammat. i parazit. 11 no. 5:60-63 May '66

Obtaining of adsorbed agglutinating *Salmonella typhi*. G. I. Reinson. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:174-179 '67

Precipitation in agar test as a method of differentiating proteins of phylogenetic, proximate animals. Report No. 2. V. I. Chirny. Sov. med. digest. 10 no. 2:11-15 Apr '67

Study of complete antigens of microbes of the enteric group using various laboratory methods. V. I. Zhuravina, N. V. Zmarova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:83-91 '67

Study of complete antigens of the microbes of typhoid fever by means of the diffusion method - precipitation in agar. N. B. Zharikova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:103-111 '67

Study of species specificity of helminth antigenic complexes by means of the anaphylaxis phenomenon. M. I. Naumychova, Med. parazit. i parazit. bol. 36 no. 2:196-201 Mar-Apr '67

Study of the antigenic fraction of the pertussis microbe and its role in the formation of antipertussis immunity. Report No. 1. V. I. Belkina and others. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:112-123 '67

Study of the antigenic structure of filtrates of the soil strains of *Clostridium tetani* by means of diffuse precipitation in agar. I. U. B. Volgin, T. I. Sergeeva. Zhur. mikrobiol., epid. i immun. 44 no. 1:118-121 Apr '67

Study of the effect of microbial antigen on the formation of immunity against infection caused by *Clostridium perfringens*. N. G. Cherkashova, T. G. Semakina. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:91-98 '67

Study of the properties of complete antigens obtained by various methods to increase the quality of the diphtheria component in polyvalent vaccine. M. I. Ignatova. Trudy Moskov. nauch.-issl. inst. vak. i syv. 17:116-123 '67

Two cases of detecting anti-Kell antibodies. A. G. Bashlail, A. M. Kissel'dorf. Probl. gammat. i parazit. 11 no. 5:58-60 May '66

ANTHYPERTENSIVE AGENTS

Comparative evaluation of the therapeutic effect of the action mechanism of isobutyl and aldomet in hypertension. E. V. Eina and others. Kardiologiya 7 no. 3:35-41 May '67

ANTIMATTER

Nuclear transformations in nature. N. A. Vlasov. Atom. energ. 22 no. 5:330-342 May '67

ANTIMONATES

See subdivision under Transbaikalia

ANTIMONIDES—PHOTOELECTRIC PROPERTIES

Photoemissivity of Br₂Sb₃. S. F. Stakvskaya, I. S. Vrelov. Trudy IPI no. 277:9-11 '67

ANTIMONY—ELECTROMETALLURGY

Combined method of processing antimony raw materials. I. R. Polyanskiy, N. I. Anan'ev. Trudy Inst. met. i obog. AN Kazakh. SSR. 21:65-75 '67

ANTIMONY COMPOUNDS

Antimony thio salts and some of their physicochemical properties. N. I. Anan'ev and others. Trudy Inst. met. i obog. AN Kazakh. SSR. 21:35-49 '67

ANTIMONY IODIDE CRYSTALS—SPECTRA

Natural reflection spectra of BiI₃ and SbI₃ single crystals at the 1-5 eV energy range. V. I. Vashchenko, V. B. Timofeev, I. N. Antipov. Opt. i spektr. 22 no. 5:813-815 May '67

ANTIMONY PLATING

Effect of the specific radioactivity of Sb¹²⁴ isotope on electrodeposition of antimony. V. S. Viatkova, V. I. Spitsyn. L. A. Uralov. Dokl. AN SSSR. 173 no. 6:1367-1369 Apr '67

ANTINEOPLASTIC AGENTS

Biological properties of micro-organisms adapted to some antineoplastic chemotherapeutic preparations. I. M. Golubeva. Zhur. mikrobiol., epid. i immun. 44 no. 6:103-104 Je '67

Compounds with cytotoxic groups on a-pyrone base. I. A. Poplavskaya, A. D. Dambitskii, M. I. Gorlaev. Zhur. ob. khim. 37 no. 4:805-809 Apr '67

Effect of some radiomimetics on methylation of nicotinamide in liver slices of white rats. I. V. Savitskii, V. G. Zeilinskii. Vop. med. khim. 13 no. 3:291-293 May-Je '67

APATITA REGION—APATITE MINES AND MINING

On the question of apatite mining, N. Z. Gataev, I. P. Gataev, Izv. Vuzov, 1967, no. 177-80, 1967

APOPHYLLITE

On the question of apophyllite skarns, I. D. Kuznetsov, Izv. Vuzov, 1967, no. 24, 51-53, 1967

APPARENT DEATH see Death, Apparent**APPELLATE PROCEDURE**

The significance of the instructive rulings of appellate courts, P. Trubnikov, Sov. iust. 31 no. 10, 20-21, My '67

APPLE

On the dynamics of chlorophyll and flavonol content in apple leaves, T. V. Urdja, L. Sarapuu, Fiziol. rast. 14 no. 3, 10-14, M. Ju. '67

Effect of green manure on the development of the active part of the root system of apple, A. S. Eldol'mant, P. 43, 62, SSR 23 no. 6, 59-61, '66

APPLE—DISEASES AND PESTS see subdivision under Georgia, Ukraine

APPLE—FERTILIZERS AND MANURES

Use of various forms of nitrogen fertilizers in growing apple seedlings in irrigated Azerbaijan, M. K. Sabirov, M. D. Ruzabek, Khim. i sel' khoz. 5 no. 6, 11-12, 1967

APPLE SCAB

Forecasting apple scab, V. A. Franskovskii, N. K. Teletskii, Zashch. rast. 12 no. 5, 45, 1967

APPLIED MECHANICS see Mechanics, Applied**APPLIED PSYCHOLOGY** see Psychology, Applied**APPROXIMATE COMPUTATION**

Using graphs of pressure and production changes in oil wells, M. M. Glogovskii, A. G. Kravtchuk, Nauch.-tekhn. sbornik, no. 2, 71-74, 1966

APROPHEN

On the stability of aprophen for injections, M. G. Gogoladze, R. N. Dolzhanskii, Farmatsiya 16 no. 2, 20-23, M. Ap. '67

APSHERON ARCHIPELAGO—EARTH TEMPERATURE

Geothermal zonality of fields in anticlinal zone of southern structure of Dagestan, B. I. Matveev, Izv. vys. uch. zap. nauch. i gaz. 9 no. 11, 21-24, 1966

APSHERON PENINSULA—CABBAGE

Head cabbage is an important food product, A. A. Guseinov, Zashch. rast. 7 no. 4, 40-41, 1967

APSHERON PENINSULA—CLOVER

Biomorphology of sprouts and juvenile plants of various clover species in Apsheron at different seasons, B. A. Mekhlov, Izv. AN Azerb. SSR, Ser. biol. nauk, no. 6, 33-36, 1967

APSHERON PENINSULA—MULBERRY—VARIETIES

Rutin content dynamics in leaves of promising mulberry varieties, G. M. Talyshinski, G. M. Talyshinski, Dokl. AN Azerb. SSR 23 no. 1, 63-66, 1967

APSHERON PENINSULA—NIGHTSHADE

Glycoside composition and accumulation dynamics in Solanum laciniatum in Apsheron Peninsula, N. M. Ismailov, S. M. Ismailov, Dokl. AN Azerb. SSR 23 no. 1, 47-50, 1967

APSHERON PENINSULA—OIL FIELD FLOODING

Distribution of precipitated salts in reservoir in mixing of waters, E. A. Voroshilov, T. I. Dzhalilov, N. G. Samedov, Izv. Vuzov, 46 no. 5, 25-27, My '67

APSHERON PENINSULA—OIL WELL CASING—CORROSION

Corrosion of oil well casing in Oil Field Administration of "Buzovneft", F. G. Ali-zade and others, Azerb. neft khoz. 46 no. 4, 44-45, 1967

APSHERON PENINSULA—OIL WELLS—AIR-GAS LIFT

In oil fields and plants of Oil Field Administration of "Azizbekovneft", R. Askerov, B. Ponomarenko, Neftiank. 12 no. 5, 10-11, My '67

APSHERON PENINSULA—PETROLEUM PRODUCTION

In oil fields and plants of Oil Field Administration of "Azizbekovneft", R. Askerov, B. Ponomarenko, Neftiank. 12 no. 5, 10-11, My '67

APSHERON PENINSULA—PLANT INTRODUCTION

Phenology of pine species introduced in Apsheron, M. I. Igamova, Izv. AN Azerb. SSR, Ser. biol. nauk, no. 6, 11-16, 1966

APSHERON PENINSULA—RAILROADS—ELECTRIFICATION

First electric railroad in the Soviet Union, A. M. Nagibov, Zashch. rast. 7 no. 2, 44-45, 48, 1967

APSHERON PENINSULA REGION—GAS, NATURAL—GEOLOGY

Prospects for finding oil and gas pools in offshore part of Balakhany-Zykh anticline zone, A. A. Kabanov, A. L. Pushkayev, Azerb. neft khoz. 16 no. 5, 1-1, My '67

APSHERON PENINSULA REGION—OIL FIELD FLOODING

Factors affecting drawing rate in horizontal oil fields, Series in fields of Apsheron oil and gas-bearing regions, Ch. M. Sheidaev, Azerb. neft khoz. 16 no. 5, 11-12, My '67

APSHERON PENINSULA REGION—PETROLEUM GEOLOGY

Prospects for finding oil and gas pools in offshore part of Balakhany-Zykh anticline zone, A. A. Kabanov, A. L. Pushkayev, Azerb. neft khoz. 16 no. 5, 1-1, My '67

ARAB COUNTRIES—COMMUNIST PARTIES

A resolution regarding the 50th anniversary of the Great October Socialist Revolution, Part zhizn' no. 11, 10-11, Je '67

A statement on the situation in the Arab countries, Part zhizn' no. 11, 73-77, Je '67

ARAB COUNTRIES—FOREIGN ECONOMIC RELATIONS—EGYPT

Araby, E. G. [Economic ties of the United Arab Republic with Arab countries] Ekonomicheskoe svyazi OAR s Arabskimi stranami, Moskva, Nauka, 1967, 62 p.

ARAB COUNTRIES—FOREIGN RELATIONS—ISRAEL

Aggression against the Arab world, Nov. vrem. 25 no. 24, 1-3, Je '67

The aggressors and their protectors, IU, Hoshkova, Nov. vrem. 25 no. 25, 2-6, Je '67

Friends and foes of the Arab world, Nov. vrem. 25 no. 25, 1, Je '67

ARAB COUNTRIES—PETROLEUM

The oil embargo, G. Diamant, Nov. vrem. 25 no. 26, 1-5, Je '67

ARABIA—VOLCANOES

Recent volcanism of the northern slope of the Arabian part of the African Platform, V. V. Korlov, V. P. Pomkarov, A. V. Razvalina, Vost. Moskva, 1967, 22 no. 2, 42-51, M. Ap. '67

ARABIC LAWYERS see Lawyers, Arabic**ARABIC STUDIES**

Publication of some Arabic linguistic studies of the 13th-14th centuries, Z. D. Mikhaylovskaya, Izv. AN Azerb. SSR, Ser. obshchestv. nauk, no. 1, 70-71, 1967

ARAL SEA—FISHES

Further development of commercial fishery in the Aral Sea, K. A. Zenskatov, P. L. Markova, Izv. Vuzov, 46 no. 1, 7-8, 1967

ARAL SEA REGION—PALYNOLOGY

Correlation of Turoonian sediments in southern part of Aral Sea region based on spore-pollen complexes, G. N. Nosov, Trudy VNIIGI, no. 40, 80-91, 1966

ARBITRATION AND AWARD

Decisions of arbitration agencies, Sots. zakon, no. 5, 87, My '67

Decisions of arbitration agencies, Sov. iust. 31 no. 10, 31, My '67

Observance of law in the decisions of arbitration agencies and the personal liability of managers in personnel, C. B. Iykh, Sov. iust. 31 no. 10, 24, My '67

Procedure in filing claims with arbitration agencies, V. Igant'ev, Sov. iust. 31 no. 10, 16-17, My '67

ARBORS AND MANDRELS

Mandrel for reconditioning bearing seals, A. Blahchenko, Avi. transp. 45 no. 5, 56, My '67

ARBUZOY REARRANGEMENT see Rearrangements (Chemistry)**ARCHAEOLOGICAL RESEARCH**

A session of the Department of History and a plenary of the Institute of Archaeology of the Academy of Sciences of the U. S. S. R., P. M. Korzhin, Sov. arkh. 205, 1967

The Seventh Archaeological Session in Odessa, N. M. Andrunina, E. A. Synonovich, Sov. arkh. 205, 1967

ARCHAEOLOGY

(see also subdivision under Tunisia)

Varshavskii, A. S. [Cities reveal their secrets] Goroda raskryvayut tajny, Moskva, Znaniye, 1967, 284 p.

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—
Archaeology

ARCHANGEL PROVINCE—AGRICULTURE

Deeds should follow words V. Turobov Agitator 35
no. 10 24-25 May '67

ARCHI

Sergeeva, G.A. [The Archi] Archintsy. Moskva, Nauka, 1967 189 p.

ARCHITECTURAL MODELS

Using models in design S.T. Rudoblets, M.B. Sitola,
M.N. TSarev Koksikhim no. 4 33-34 '67

ARCHITECTURE

(see also subdivision under Armenia)

Possibility and technical realization, based on the
principles of building and architecture A.I. Klevisov
Filosofsk.uchebn. no. 6 125-134 '66

Serpanov, G.P. [In cooperation with architecture; con-
cerning the synthesis of modern architecture and ap-
plied and monumental arts] V sovrushestve s arkhitek-
turoi, o snizhe sovremennoi arkhitektury s prikladnym
i monumental'nym iskusstvom. Leningrad, 1966 91 p.

ARCHITECTURE, ANCIENT see subdivision under
Krasnodar Territory

ARCHITECTURE, DOMESTIC see subdivision under
Kama Valley

ARCHITECTURE, MEDIEVAL

"Legends of the remote past" S.Dmitriyev Vmire
knig 7 no. 2 36-37 '67

ARCHITECTURE AND CLIMATE

Simplest means of protecting built-up roofs from solar
radiation V. Folomn, L. Kuzina Zhil. stroi no. 11 10-
12 '66

ARCHIVES

(see also subdivision under India)

Archival materials should serve the interests of the
Soviet people. A. Varlamova, Uch. zap. Ulan. gos.
zad. inst. 13 no. 3, 5-11 '63.

Brief news and information notes Sov. akh no. 2 105-
112 '67

How we keep our archives. A. Savol'eva. Soiz. zakon,
no. 5 51-52 May '67.

Keeping documentary motion pictures, photographs, and
phonograph records in state archives L.M. Roshal'
Sov. akh no. 2 76-78 '67

Some problems concerning the acquisition of documentary
materials by party archives A.A. Solov'ev Sov. akh
no. 2 63-70 '67

A source for the acquisition of documentary photographs
by archival agencies V.F. Runge Sov. akh no. 2
89-92 '67

The use of documentary materials in political propaganda,
education and training L.V. Murav'eva, N.A. Vyshlova
Sov. akh no. 2 80-81 '67

ARCHIVISTS see subdivision under Volgograd Province

ARCTIC FOX see subdivision under Yakutia

ARCTIC OCEAN—OCEAN TEMPERATURE

Accuracy of mean values of water temperature in the
Arctic basin. A. O. Shpakher, I. A. Diubkin, IU. B.
Konstantinov Probl. Arkt. i Antark. no. 26 35-38 '67

ARCTIC OCEAN—RADIOISOTOPES

Study of the total isotopic composition of Arctic waters.
A.S. Urdonski, V.A. Bugayev, V.M. Glushchenko, Dokl.
AN Uz. SSR 23 no. 6 39-40 '66.

ARCTIC REGIONS—ATMOSPHERE

Greenhouse effect of Arctic atmosphere. E. Vowinkel,
S. Orvig. Probl. Arkt. i Antark. no. 25 71-76 '67.

ARCTIC REGIONS—ATMOSPHERIC TEMPERATURE

Role of atmospheric circulation in the formation of heat
regime of the Arctic. A.A. Gitis. Probl. Arkt. i
Antark. no. 25 5-20 '67.

ARCTIC REGIONS—DRIFT

Some remarks on using the method of sounding lead for
detecting drift elements at drifting stations. M.V.
Izvetkov Probl. Arkt. i Antark. no. 26 98-103 '67.

ARCTIC REGIONS—DRIFTING ICE STATIONS

First drifting station, I. Papanin, Mor. flot 27 no. 5 48-
39 May '67.

ARCTIC REGIONS—ICE

Absorption of solar radiation by the ice under snow water.
N.P. Shusterikov. Probl. Arkt. i Antark. no. 25 66-
70 '67.

ARCTIC REGIONS—IONOSPHERE

Space and time variability of critical frequencies in the
F2 layer of the circumpolar region. P.G. Istakhov,
G.N. Gotsushina, O.N. Struin. Probl. Arkt. i Antark.
no. 26 61-70 '67.

ARCTIC REGIONS—MAGNETIC STORMS

Frequency of the appearance of intensive geomagnetic dis-
turbances in high latitudes of the northern hemisphere.
IAI Fel'dshteyn. Geomag. i aer. 7 no. 1 200-203
'67.

ARCTIC REGIONS—MINE VENTILATION

Quality of ventilation partitions under conditions of low
temperature. V.M. Syrochev, N.E. Martin. Bezop.
truda v prom. 9 no. 12 15 D '65

ARCTIC REGIONS—NAVIGATION

Conduct Arctic navigation in an exemplary manner
during the jubilee year IU. Aishenevskii Mor. flot
27 no. 4 2-3 Ap '67

Navigation in the waters of the American-Canadian

Arctic and its scientific and operational supply
A.O. Shpakher, V.I. Smitnov, I. A. Vilmova. Probl.
Arkt. i Antark. no. 26 77-81 '67.

**ARCTIC REGIONS—PROPELLERS—MAINTENANCE AND
REPAIR**

Prom work practices in repairing propellers during
navigation in the Arctic. I. Rebinok Mor. flot 27
no. 4 27-28 Ap '67.

ARCTIC REGIONS—REFRACTION, TERRESTRIAL

Determination of refraction coefficient in the region of
the Arctic Circle S.I. Evchenko Geod. i kart. no. 5
77-11 May '67.

ARCTIC REGIONS—RUSSIAN EXPLORATION

Future prospecting by the expedition of V.A. Rusanova,
M.I. Belov. Probl. Arkt. i Antark. no. 25 106-107 '67.

ARCTIC REGIONS—SEA ICE DRIFT

Equilibrium conditions of polar ice. IU. L. Nazintsev,
Probl. Arkt. i Antark. no. 25 77-83 '67.

ARCTIC REGIONS—SOLAR RADIATION

Absorption of solar radiation by the ice under snow water.
N.P. Shusterikov. Probl. Arkt. i Antark. no. 25 66-70
'67.
Greenhouse effect of Arctic atmosphere. E. Vowinkel,
S. Orvig. Probl. Arkt. i Antark. no. 25 71-76 '67.

ARCTIC REGIONS—WHALES

Guests from the Arctic A.P. Golichenko Priroda
no. 1 68-69 Ap '67.

AREY VALLEY—GEOLOGY, STRUCTURAL

Recent tectonics of the western part of the Arey Depres-
sion. L.P. Glushkova, G.F. Ufimtsev. Izv. Zabalk.
old. Geog. ob-va SSSR 1 no. 3 125-127 '65.

ARGALI see subdivision under Ustyurt

ARGENTINA—GLIDING AND SOARING

In the stratosphere without oxygen. Kiy. rosl. 18 no. 5-
21 May '67.

ARGON ISOTOPES

Argon and helium isotopes in natural hydrocarbon gases.
E.K. Gouling and others. Geokhimiya no. 5 608-617
May '67

Excess of Ar³⁶ in volcanic and postvolcanic gases of the
U.S.S.R. V.V. Cherdymtsev, IU.V. Shitov. Geokhimiya
no. 5 618-620 May '67

ARGUN' VALLEY—GEOLOGY, STRUCTURAL

Structural position of Jurassic intrusions in the Shil'n-
Argun' interfluvium. R.V. Leontak. Izv. Zabalk. old.
Geog. ob-va SSSR 1 no. 7 16-25 '65.

ARITHMETIC

Mechanisms of solving arithmetical problems. I. M.
Fridman. Vop. psikh. 13 no. 2 79-88 Mr-Ap '67

ARLAN OIL FIELD—DRILLING MUDS—ADDITIVES

Using modified starch in Arlan field. E.A. Akhmetshin,
V.F. Kokh. Bucent no. 1 23-24 '67.

ARLAN OIL FIELD—PETROLEUM

Kinetics of hydrofining of extracts of straight-run
kerosine-gas oil fraction of Arlan petroleum. S.V.
Pestrikov and others. Nefteper. i neftekhim no. 4 1-3
'67

ARLAN OIL FIELD—PETROLEUM PRODUCTION

Selective sealing of drowned layers by synthetic resins
V.A. Blazhevich, E.N. Umnikhina, N.R. Makhmatov
Nefteprom delo no. 3 12-16 '67

ARMENIA—APARTMENT HOUSES—MODELS

Testing a model of large-block residential building for
seismic effect S.G. Shagimyan Nauch. soob. AISM
no. 7 05-112 '66

ARMENIA—ARCHITECTURE

New stage of architectural development M. Mkaslian.
Prom. Arm. 10 no. 4 38-42 '67.

ARMENIA—CALCULI, URINARY

Chemical composition of urinary calculi in preschool-
age children and drinking water in the Armenian S.S.R.
I.T. Melkumians. Zhur. eksp. i klin. med. 7 no. 2 59-
64 '67

ARMENIA—CHOLERA, ASIATIC

Russian doctors, the first in cholera research in Armenia
A. A. Lalaian Zhur. eksp. i klin. med. 7 no. 2 104-105
'67

ARMENIA—CITY PLANNING

Increasing the efficiency of house building in cities.
G. Khosasanian, A. Khosasanian Prom. Arm. 10 no. 4
16-18 '67

ARMENIA—DRINKING WATER—ANALYSES

Chemical composition of urinary calculi in preschool-
age children and drinking water in the Armenian S.S.R.
I.T. Melkumians. Zhur. eksp. i klin. med. 7 no. 2 59-
64 '67

ARMENIA—EARTHQUAKES AND BUILDING

Experimental study of energy dissipation in flexural
vibrations of slabs from lightweight concrete T.A.
Gorolan Nauch. soob. AISM no. 7 7-35 '66

ARMENIA—ECONOMIC CONDITIONS

"Promyshlennost' Armenii" pays us a visit. Prom. Bel.
10 no. 4 10-11 Ap '67.

ARMENIA—ECONOMIC POLICY

Industry and trade L. Vaitanian Prom. Arm. 10 no. 4
33-35 '67

ARMENIA—GRAPES—VARIETIES

Study of breeding of grapevines. E.S. Avundzhian and
others Fiziol. rast. 14 no. 3 405-414 My-Je '67.

ARMENIA—HEATING FROM CENTRAL STATIONS

Selecting optimum heat-supply system for Armenian
cities D. Aishakian and others Prom. Arm. 10 no. 1
9-12 '67

ARMENIA—HISTORIOGRAPHY

A brief study of the historiography of Armenian modern
history. V. A. Dilanian, G.M. Kazarian, D.A. Muradian.
Vost. obshchestv. nauk AN Arm. SSR no. 3 24-43 Mr
'67

ARMENIA—HOURS OF LABOR

Five-day week TS. Khudolan Prom. Arm. 10 no. 4
34-37 '67

ARMENIA—INDUSTRIAL MANAGEMENT

For economy and thriftiness A. Zakharian Prom. Arm.
10 no. 4 73 '67

ARMENIA—JAKOBSITE

Find of jakobsite in ores of the Chaykend deposit. L. P.
Ishvili. Dokl. AN Arm. SSR 44 no. 3 126-129 '67.

ARMENIA—LANGUAGES

Discussion of the work of the institutes of literature and
language of the Azerbaijan and Armenian Academies
of Sciences I. Kumelan Izv. AN SSSR Ser. lit. i ia7.
26 no. 1 90-92 Ja-F '67

ARMENIA—MEALYBUGS

Two new species of the genus Helioctoccus Sulc (Cocco-
idea, Pseudococcidae) from Armenia M.A. Tuz-
Grigorian. Dokl. AN Arm. SSR 44 no. 3 131-138 '67

ARMENIA—

Medical #c

1

AI

2272

ASCORBIC ACID (Continued)

Effect of the stimulation of liver chemoreceptors by ascorbic acid on ascorbic acid content in blood of non-obese and obese rats with impaired functional state of the digestive nervous system. I. I. Yamaoka, Izv. vuzovsk. khim. i tekhnol. no. 6 110-116 '66.

ASCORBIC ACID—THERAPEUTIC USE

Effect of ascorbic acid in the compensation and treatment of iron deficiency. V. S. Shcherbinin, Izv. vuzovsk. khim. i tekhnol. no. 3 7-10 Mr '67.

ASFEVA, TAT'IANA VASIL'EVNA, 1897-

Tat'iana Vasil'evna Asfeva. I. M. Iashina. Genetika no. 5 169-170 My '67.

ASIA—BIBLIOGRAPHY

New Soviet and foreign literature on the countries of Asia and Africa. Nov. sov. i inostr. lit. po stran. Az. i Afr. no. 4 '67.

ASIA—ECONOMIC POLICY

Economic and the countries of the East. A. G. Korobov. Vopr. filos. 21 no. 5 7-11 '67.

ASIA—GEOLOGY, STRUCTURAL

Faults and their accompanying structures of some regions in Asia. T. S. O. Ochilov, G. E. Rukhkhin. Trudy. Pekin. gos. univ. 21, 3-11 '66.

ASIA—HISTORY

The rise and development of early class society in the ancient East. V. M. Masson. Vopr. ist. 17 no. 5 82-91 '67.

ASIA—LAND TENURE

Legal norms of the Shari'a and the problem of feudal land ownership in the East. A. D. Paplan. Vest. abkhazsk. nauch. ts. SSR no. 12 22-24 D '66.

ASIA—PHYSICAL GEOGRAPHY

Zonal landscape types of the monsoon tropics of Asia. G. D. Bessonov. Vest. Mosk. univ. 5 Geog. 22 no. 125-126 Mr-Apr '67.

ASIA—TRADE UNIONS

[Trade unions of eastern Asia] Profsoyuz s'yan vostochnoi Azii [Moskva] Profizdat, 1967. 51 p. (Profsoyuz s'yan)

ASIA, CENTRAL—SOCIAL CLASSES

Social structure of Central Asia in the fourth century. B. C. R. Rakhmanova. Sbornik nauch. rabot. IASHGU no. 251 221-226 '61.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASMOLOV, GRIGORII L'VOVICH, 1907-

G. I. Asmolov on his 60th birthday. Mekh. sta. 38 no. 3 95 Ms '67.

ASPEN

Biology of root efflux in aspen. V. V. Petrov. Nauch. dokl. vuz. shkol. biol. nauk. 10 no. 4 76-79 '67.

ASPERGILLUS—CULTURES AND CULTURE MEDIA

Comparative study of the effect of polysaccharides and alcohols on the synthesis of amylolytic enzymes in the submerged culture of the fungus *Aspergillus niger*. T. I. Musayeva. Dokl. AN Uz. SSR 23 no. 7 51-56 '66.

ASPHALT

Choice of the composition of asphalt solution and asphalt concrete in hydraulic engineering. V. A. T'shuk. Mor. i okean. nauch. trudy. no. 2 123-126 '66.

ASPHALT CONCRETE

Experiments for the production of asphalt-concrete mixes. A. A. Golitsnikov. Avt. dokl. 30 no. 5 8-9 My '67.

Using surface-active agents in warm asphalt concrete. M. V. Matlakov. Avt. dokl. 30 no. 5 126 Mr '67.

ASPHALT PAVEMENTS see Pavements, Asphalt

ASPHALTENES

Quick method for determining the asphaltene content in petroleum. A. D. Biktashova. Nefteprom. delo no. 5 29-31 '67.

ASPHYXIA

Asphyxia resulting from tracheostoma in operations for goiter. B. G. Piatnitskiy, N. P. Ushtakov. Klin. khir. no. 3 73-74 Mr '67.

ASSAULT AND BATTERY

Determination of premeditated murder and serious bodily harm. S. Oliphetko, I. Rubinshteyn. Sots. zvon. no. 5 14-17 My '67.

ASSEMBLY-LINE METHODS

Assembly line for putting together and welding of conveyor roller bearings. D. I. Rashtskiy. Svar. proizv. no. 3 16-18 Mr '67.

Automated line for the manufacture of large cones

I. S. Shumakov. Izv. vuzovsk. khim. i tekhnol. no. 1 9-11 Ap '67.

Automatic line for multiple assembly of rollers. M. I.

Milov, I. I. A. Pages. Mekh. i avtom. uprav. 21 no. 3 3-1 '67.

Automatic line for the preparation of raw materials in

the production of corn shucks. I. P. Golitsyn. Izv. vuzovsk. khim. i tekhnol. no. 5 14-15 Mr '67.

Automatic line of water birds. A. V. Vain, A. Shenberg

Mosk. gos. univ. no. 3 16-19 Mr '67.

Continuous line for the manufacture of plane sections

L. I. Brikov, N. S. Lavrov, R. P. Brikova. Khim. i tekhnol. no. 67 no. 5 60-64 My '67.

Continuous method for determining available phosphorus

according to Arsenius. N. O. Avakian, V. S. Sedukhin, E. A. Parnitskiy. Khim. i tekhnol. no. 5 no. 5 61-65 '67.

Secrets on the production line. N. O. 9 no. 1 18-19

Ap '67.

Tkalin, I. M. [New organization of the assembly line for

instruments] Novaya forma organizatsii sborki priborov na potoke. Leningrad, 1967. 24 p. (Leningradskiy dom nauchno-tekhnicheskoi propagandy. Seriya Ekonomika i planirovaniye proizvodstva)

Working conditions at an automatic molding line. R. A. Medvedev, V. S. Batashov, I. K. Chirchigov. Izv. vuzovsk. khim. i tekhnol. no. 5 11-13 My '67.

ASTARA DISTRICT—ITA—FERTILIZERS AND MANURES

Potassium effect on nitrogen nutrition of tea plants. A. K. Akhmedov. Izv. AN Azerb. SSR Ser. biol. nauk. no. 6 93-98 '66.

ASTHMA

Experience in the treatment of children with bronchial asthma under conditions of pressure chamber. P. K. Bulatov, V. N. Kononov, A. I. Nizhnikov. Sov. med. 10 no. 5 28-31 My '67.

State of the adrenocortical function of the hypophysis in bronchial asthma. M. A. Alekseyev. Azerb. med. zhur. 44 no. 1 10-14 Ja '67.

ASTRAGALUS see Milk vetch

ASTRAKHAN—IRRIGATION FARMING

With the toilers of irrigation farming. A. Simarkin. Agitator 35 no. 10 11 My '67.

ASTRAKHAN—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

On the eve of the October celebration. S. Dmitriyev. Ruch. trunp. 26 no. 1 4 '67.

ASTRAKHAN—SHIPYARDS

V. I. Lenin Shipyard. I. A. Shereshevskiy. Ruch. trunp. 26 no. 1 6-7 '67.

ASTRONAUTICS

I can't thought about outer space. N. Varvarev. NFO 6 no. 1 10-12 Ap '67.

ASTRONAUTICS—BIBLIOGRAPHY see Bibliography—Astronautics

ASTRONAUTICS—COMMUNICATION SYSTEMS

Outlook for the development of space radio communications. N. D. Puzrtev. Avt. kosm. no. 5 8-9 My '67. Remote multichannel space radio communication system (to be concluded). I. Bogachev and others. Avt. kosm. no. 5 10-14 My '67.

ASTRONAUTICS—EXHIBITIONS

International salon of aeronautics and space. V. Nikolskiy. Vopr. teorg. 47 no. 5 46-49 '67.

ASTRONAUTS

Advancing people. Avt. kosm. no. 5 30-31 My '67.

ASTRONOMICAL INSTRUMENTS

Investigation of the 335-mm single-lens objective of the large Lyot coronagraph. G. M. Ilkolskiy, A. A. Sazanov. Astron. zhur. 11 no. 2 124-130 '67.

Studying IZ-A-2 horizontal comparator. G. V. Akhmedova, M. B. Babayev. Soob. Shern. astrofiz. obser. no. 6 14-19 '67.

ASTRONOMICAL OBSERVATORIES see subdivision under Trans-III Altai

ASTRONOMICAL PHOTOGRAPHY

Studying the IUM-21 universal measuring microscope. G. V. Akhmedova, T. A. Guseva. Soob. Shern. astrofiz. obser. no. 6 30-31 '67.

ASTRONOMICAL PHOTOMETRY see Photometry, Astronomical

ASTRONOMY—STUDY AND TEACHING

Introducing the problem of the development of the basic concepts of the universe in eight-year schools. E. P. Levitan. Nov. isel. v ped. nauk. no. 4 120-123 '66.

ASTROPHYSICS

Minimum radius of degenerated electron configurations

Z. F. Sedov. Soob. Shern. astrofiz. obser. no. 6 21-29 '67.

Optical characteristic of some cosmic and earth surfaces. M. P. Volynovich, N. A. Avdeyev. Astron. zhur. 11 no. 2 14-15 '67.

Some problems of wave transfer in close binary systems. S. L. Prokhorov. Astron. zhur. 11 no. 2 241-259 '67.

ATASU REGION (KAZAKHSTAN)—BITUMEN

Organic matter in the Devonian and Carboniferous deposits of the Atasu region. I. I. Bondarenko. Vest. AN Kazakh. SSR 23 no. 3 80-83 Mr '67.

ATASU REGION (KAZAKHSTAN)—PENNANTITE

Ferrous and magnesium variations of pennantite from Atasu deposits in central Kazakhstan. M. M. Kulupova. Zap. Vses. nauch. obsch. 96 no. 2 155-161 '67.

ATHEISM

Arsenkin, V. K. [The path to the mind and heart] Put' k razumu i serdtsu. Moskva, Politizdat, 1967. 125 p.

Atheism and humanism. P. Kolontskiy. Agitator 35 no. 11 47-49 Je '67.

Contact the people! V. Chubant'ina. Agitator no. 5 15-16 Mr '61.

Libraries and atheism. T. Trubitsina. Agitator no. 5 17 Mr '61.

ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

ATHEISM—STUDY AND TEACHING

(see also subdivision under Khakass Autonomous Province)

Kolesov, G. I. [The socialist collective and atheistic education] Sotsialisticheskiy kollektiv i ateisticheskoe vospitaniye. Moskva, Mysl', 1967. 63 p.

ATHLETICS

D'yachkov, V. M. [Physical training of athletes] Fizicheskaia podgotovka sportsmen. Izd. 2., perer. Moskva, Fizkul'm i sport, 1967. 39 p. (Biblioteka sportsmen)

ATLANTIC OCEAN—ACINOMETRY

Acinometric radiosounding of atmosphere over Atlantic Ocean. V. P. Belov and others. Meteor. i gidrol. no. 1 97-101 Ap '67.

ATLANTIC OCEAN—ATMOSPHERE

Dinamical, seasonal, and yearly shifts of the intertropical convergence zone over the Atlantic Ocean. L. V. Kozlov. Izv. AN SSR Ser. geog. no. 3 72-78 My-Je '67.

Relationship between the types of atmospheric circulation and the temperature of surface waters in the northern part of the Atlantic Ocean. N. D. Vinogradov. Probl. Arkt. i Antarkt. no. 25 11-53 '67.

ATLANTIC OCEAN—OCEAN CURRENTS

Results of the harmonic analysis of tidal currents in the equatorial zone of the Atlantic Ocean. A. F. Pastukhov. Okeanologiya i no. 2 238-244 Mr-Apr '67.

ATLANTIC OCEAN—OCEAN TEMPERATURE

Relationship between the types of atmospheric circulation and the temperature of surface waters in the northern part of the Atlantic Ocean. N. D. Vinogradov. Probl. Arkt. i Antarkt. no. 25 11-53 '67.

ATLANTIC OCEAN—OCEANOGRAPHY

Vertical circulation of water in the drift layer of the North Atlantic. L. V. Privalova. Vest. Mosk. un. Ser. 5 Geog. 22 no. 2 67-71 Mr-Apr '67.

ATLANTIC OCEAN—SARDINES

New products from Atlantic sardines. L. A. Zakharova. Ryb. khoz. 43 no. 5 19-20 '67.

ATLANTIC OCEAN—TRADE WINDS

Activity of trade-wind fronts over the Atlantic Ocean. L. V. Kozlov. Meteor. i gidrol. no. 6 50-54 Je '67.

ATLANTIC OCEAN—WATER FLEAS

New species of Oacea (Copepoda, Cyclopoida) from southwestern part of the Atlantic. A. A. Shmelev. Zool. zhur. 46 no. 4 621-622 Ap '67.

ATLANTIC OCEAN—WINDS

Magnitude of divergence and vertical velocity in the mean wind field above the Atlantic. Okeanologiya 7 no. 2 203-209 Mr-Apr '67.

ATLASES—CONGRESSES

Third conference on complex regional atlases. O. I. Maslov. Vest. Mosk. un. Ser. 5 Geog. 22 no. 2 151-152 Mr-Apr '67.

ATMOSPHERE

(see also subdivision under Arctic regions; Atlantic Ocean)

Effect of 11-year cycle of solar activity on atmospheric circulation. V. A. Bellazo. Probl. Arkt. i Antarkt. no. 26 29-31 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE—PHYSIOLOGICAL EFFECT
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE—CONGRESSES
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TEMPERATURE—MEASUREMENT
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATMOSPHERIC TURBULENCE
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATOMIC BOMB
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATOMIC ENERGY INDUSTRIES
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATOMIC MASS
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATOMIC NUCLEI
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATOMIC SPECTRA
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

ATOMIC SPECTRA
 The effect of the temperature of the atmosphere on the rate of the reaction of the decomposition of the organic compounds of the heavy metals. [By] V. A. Kiselev, V. A. Kiselev, V. A. Kiselev. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 5 39-50 '67.

Optimization of phenomenological parameters of the effective interaction in a problem on nuclear spectra.
 G. M. Bat, V. A. Polovinskaya. *Izv. AN SSSR Ser. fiz. i khim. nauch. zap.* no. 4 680-682 Ap '67.

ATOMIC WEAPONS—INTERNATIONAL CONTROL
 Development of atomic engineering and the world security. A. Kalladin. *Mir eton i mezhdunar. otn.* no. 5 39-50 '67.

ATOMIZATION
 Injector for the atomization of liquid phosphorus. A. S. Mozukhina, V. A. Davitkin. *Khim. prom.* 42 no. 11 70 N '66.
 Mechanism of the disintegration of a stream of molten metal by a gas flow. V. F. Silayev. *Porosh. mel.* 7 no. 5 14-18 My '67.

ATOMS
 Correlation corrections of the first approximation for the polarizability, and screening factors of atoms. V. M. Fokukmo. *Opt. i spekt.* 22 no. 4 521-528 Ap '67.

ATRAZINE
 Effect of 2, 4-D mixtures with atrazine on weeds in cornfields. G. S. Grudzev, V. A. Kalinnik, E. I. V. sel. khoz. 5 no. 5 31-35 '67.

ATROPHY, MUSCULAR
 Isometric tensions as a means of preventing muscular atrophy in the treatment of extremity fractures. Z. M. Iteev. *Vop. kur. i fizioter. i lech. fiz. kul't.* 32 no. 2 140-146 Mr '67.

ATROPINE—PHYSIOLOGICAL EFFECT
 Analysis of the bradycardic phase of the effect of atropine on the heart in dogs. E. I. Arshavskaya, S. I. Enikeeva. *Biol. eksp. biol. i med.* 63 no. 6 68-71 Je '67.

AUDITING AND INSPECTION see subdivision under Kazakhstan, Ukraine, Uzbekistan

AUDITORIUMS
 Auditoriums which are used around the clock, as seen by a designer. E. S. Tarashkevich. *Vest. vys. shkoly.* 25 no. 5 31-35 My '67.

AUSTRALIA—EXCHANGES OF PATENTS AND TECHNICAL INFORMATION
 License trade of Australia. N. A. Dukmasov. *Vop. izobr.* no. 12 30-32 D '66.

AUSTRALIA—MEDICINE
 Impressions of Australian and New Zealand medicine and doctors. N. I. Kravosku and others. *Sov. med.* 30 no. 5 130-154 My '67.

AUSTRIA—COMMUNIST PARTY
 History of the Austrian Communist Party's struggle for the united front of workers, middle 1934-middle 1935. I. P. Shulman. *Uch. zap. Kost. gos. ped. inst.* no. 9 97-113 '63.

AUSTRIA—FIREBRICK
 Manufacture of high-strength magnesite-chromite refractories for roofs of open-hearth furnaces in Austria and the U. S. S. R. V. R. Starun, A. I. Ljudovskii. *Met. i gornorud. prom.* no. 2 63 Mr '67.

AUSTRIA—GERMAN LANGUAGE
 Austrian controversy around the concepts of the "Austrian language", the "Austrian nation" and the "Austrian government". A. I. Domashnev. *Uch. zap. GGPPIIA* no. 27 62-76 '66.

AUSTRIA—POLITICS AND GOVERNMENT
 Austrian controversy around the concepts of the "Austrian language", the "Austrian nation" and the "Austrian government". A. I. Domashnev. *Uch. zap. GGPPIIA* no. 27 62-76 '66.

AUTHORS
 A memorable meeting. Dm. Petrov (Bliuk). *Sov. voen.* 49 no. 1 30-31 Ja '67.

AUTHORS—CONGRESSES
 Encounter of the past with the future; notes on the First Congress of Soviet Writers. O. Reznik. *Otklady.* 44 no. 5 191-205 My '67.

AUTHORS, ARMENIAN
 The friendship between Grigor Khachatian and Oganess Maslennikov. V. G. Vaidanian. *Vest. obshchestv. nauk AN Arm. SSR* no. 11 57-65 N '66.

AUTHORS, UZBEK
 Writers for the army. I. Ashen. *Sov. voen.* 48 no. 23 31 D '68.

AUTHORS AND PUBLISHERS
 It is time, it is past time. Otklady. 44 no. 4 181-182 Ap '67.

AUTOCALVES
 Study of the stressed state of linings in digesters. V. M. Krivopetov, A. V. Molokanov. *Bum. prom.* no. 5 21-23 My '67.

AUTOLYSIS
 Autolysis in hydrocarbon-oxidizing yeast of the genus *Candida*. E. G. Borisenko. *Mikrobiologiya* 36 no. 2 240-242 Ab-Apr '67.

AUTOMATA
 Diameter of reduced automata. I. A. M. Barzdin, A. D. Korshunov. *Disk. anal.* no. 0 3-45 '67.

AUTOMATIC CONTROL
 [Adjustment and operation of automatic lines with multi-purpose equipment; a reference handbook] Nalashka i ekspluatatsiya avtomaticheskikh lini iz universal'nogo oborudovaniya, spravochnoe posobie. [By] M. M. Gol'din. 1 dr. Pod red. A. M. Arkova. Moskva, Mashinostroenie, 1967. 311 p.

Adjustment and operation of the automatic control system of the electric power plant of a tuna boat. Z. S. Ruderman, A. N. Smirnov, L. N. Tokarev. *Sudostroenie* 57 no. 4 33-36 Ap '67.

Algebraic method for determining functions of excitation of trigger circuits. N. P. Vasil'eva, I. Gashkovets, Z. P. I. Avtom. i telem. no. 5 86-90 My '67.

Algorithm of optimum control of a catalytic reforming plant. B. A. Bel'sov. *Izv. vuzov. fiz. i tekhn. nauch. zap.* 10 no. 1 11-11 '67.

Analog-probability stimulation of systems from nonreliable components. V. M. Bolshakov, V. S. Gladkii, L. M. Chernyi. *Izv. AN SSSR, Tekh. i fiz. nauch. zap.* Ja-1 '67.

Analysis of a problem in automatic optimization of a linear diaphanin plant. L. V. V. Izv. AN SSSR, Tekh. i fiz. nauch. zap. Ja-1 '67.

Analysis of a operational automatic control system taking into account the modulator-demodulator channel as a real pulsed element. V. I. Gostev. *Prilozh. avtom.* no. 4 21-50 '66.

Analysis of dynamic processes in a diode-regenerative voltage comparator with transformer feedback. A. I. Slakhov. *Prilozh. avtom.* no. 4 109-116 '66.

Analysis of invariance conditions for electrical driven mechanisms nonrigid kinematic circuit. I. M. Moisevskii. *Izv. vuzov. fiz. i tekhn. nauch. zap.* no. 5 542-546 My '67.

Application of the theory of optimum control to heat conduction problems. E. F. Atykpaev, M. P. I. kont. huk. Zhi. vych. mat. i inzh. fiz. 7 no. 1 601-605 My-Je '67.

Automatic control and regulation of small flows of petroleum products. B. A. Finkel', P. N. Kharva, Neftekhim. i tekhn. no. 3 31-33 '67.

Automatic control of acoustical equipment. N. G. Kon'kov. *Vest. putivovozd. otn.* no. 1 13-17 Ja '67.

Automatic control of processes for the making of pattern compositions and patterns. I. V. Efimov, N. R. Rovhin. *Lit. proizv.* no. 1 6-7 Ap '67.

Automatic control of temperature of heat carriers in heating boilers with electric and hot water mixing. L. I. Goukin. *Nauch. trudy AKBK* no. 38 Tepl. gos. no. 2 150-157 '65.

Automatic control of the catalyst regeneration process. M. V. Kozlov and others. *Khim. i tekhn. topl. i masel.* 12 no. 5 33-37 My '67.

Automatic control of thermal conditions in tunnel kilns. L. I. Skusnov, L. M. Shal'man, N. S. Dm. I. khim. Ogneupory. 32 no. 5 18-21 '67.

Automatic control systems in anti-aircraft defense. Tekh. i voen. 25 no. 1 14-19 N '66.

Automatic equipment for regulating ventilation in sloped R. I. A. Vassil', V. G. Demet'ian. *Zap. IGI* 50 no. 1 43-46 '65.

Automatic equipment for the preparation of liquid blends. V. B. Voronovich, A. R. Malkovitch. *Lit. proizv.* no. 1 8-9 Ap '67.

Automatic line for painting automobile bodies. A. G. Gorbachevskii, M. E. Makhanek. *Mekh. i avtom. proizv.* 21 no. 5 4-5 '67.

Automatic regulator of loads of coal cutters-loaders with a two-engine actuating mechanism. V. I. A. P. Kuznetsov, N. A. Kudotarov. *Izv. vuzov. fiz. i tekhn. nauch. zap.* 10 no. 3 130-135 '67.

Automation behind the wheel. A. Rakin. *NTO* 9 no. 1 31-31 Ap '67.

Automation of fans for local ventilation. V. I. Livshits and others. *Bezop. truda v prom.* 9 no. 12 11-11 D '69.

Automation of methanol injection into gas pipeline in front of throttle devices. N. G. Geleil', F. I. Kinaat, Gaz. delo no. 4 36-39 '67.

Automation of the Minsk Cold Storage Warehouse No. 2. S. L. Geller and others. *Khol. tekhn.* 44 no. 5 31-32 My '67.

Average time of faultless operation of a complex system taking into account "importance" of its elements and scheduled preventive maintenance operations. Sh. I. Belshteyn, O. M. Namichetshvili, A. P. Kraskevich. *Izv. AN SSSR, Tekh. i fiz. nauch. zap.* no. 2 90-95 Mr-Apr '67.

Babayanov, G. N. [Optimal control of hydrometallurgical processes] Optimal'noe upravleniye gidrometallurgicheskimi protsessami. Moskva, Atomizdat, 1967. 210 p.

- Porberg, P. V.** [Matrix methods in the theory of relay and sampled-data control] *Matrichnye metody v teorii rel'eynogo i impulsnogo regulirovaniia* Moskva, Nauka, 1977, 323 p. (Teoreticheskie osnovy tekhnicheskoi kibernetiki)
- Calculation of the dynamics of an instrument servosystem using harmonic linearization.** I. V. Kulikov, G. I. Pokrovskii. *Izv. vys. ucheb. zav. elektromekh.* no. 5:575-582 My '67
- Clarifying the basis of state space in investigating the stability of discrete control systems.** Z. Bubnitskii. *Trody LPI* no. 266 99-106 '66
- Characteristics of algorithms for controlling operations in open-pit mines.** A. D. Shkol'nikov. *Nauch. trudy Gos. inst. radioelek. i gor. elektromekh.* no. 51:115-119 '63.
- Characteristics of the automation of the steam-condensate cycle of the propulsion machinery of the "Sofia" type tugs.** M. Sh. Shifrin, I. P. Volokhov. *Sudostroenie* 57 no. 3:31-33 My '67
- Characteristics of the technology and problems of the regulation of the unit for inter-stage compression of pyrolysis gas by a liquid coolant.** A. K. Pleskonos, B. V. Gaiduk. *Khim. prom. Ukr.* no. 3:32-35 My-Je '67
- Designing basic control parameters in automation of flow processes.** M. V. Makhaev, V. A. Shpakov. *Izv. vys. ucheb. zav., nef't' i gaz* 9 no. 11:93-96 '66
- Combined control of thermal conditions of the reactor for the synthesis of ethyl alcohol.** M. I. Mustafaev and others. *Za tekhn. prog.* 7 no. 4:1-3 Ap '67.
- Concerning N. A. Kogan and I. V. Pime's letter.** I. S. Luchenko. *Avtom. i telem.* no. 5:174 My '67.
- Concerning I. S. Luchenko's remark "Some problems of control of a plant with random amplification factor."** I. A. Kogan, I. V. Pime. *Avtom. i telem.* no. 5:174 My '67.
- Concerning O. B. Koshko's article "Synthesis of linear automatic control systems using minimum mean-square taking into account the constant part of the system."** V. P. Fedanin. *Izv. AN SSSR, Tekh. kib.* no. 1:170-183 Ja-F '67.
- Construction of discrete models of continuous links in the circuit of a control system.** G. A. Burov. *Prib. i sist. avtom.* no. 4:102-108 '66
- Construction of logarithmic characteristics of a closed-loop automatic control system for a case involving design according to the disturbing action.** B. V. Bogdanov. *Izv. vys. ucheb. zav., elektromekh.* no. 1:82-86 Ja '67.
- Construction of near-optimal control systems of a high order using simple equivalent control functions.** L. A. Gorn'ev. *Izv. vys. ucheb. zav., elektromekh.* no. 1:60-69 Ja '67.
- Contactless circuits for controlling reversing electric installations.** I. P. Kudriavtsev. *Trudy PSNIIMSKh* 3:360-371 '64
- Contactless reversible angle-to-code converter.** V. I. Sol'yak, G. M. Frenkel'. *Mekh. i avtom. upr.* no. 2:30-39 Mi-Ap '67
- Contribution to the theory of best approximation in optimal control.** L. P. Lytkin. *Izv. AN SSSR, Tekh. kib.* no. 1:108-110 Ja-F '67.
- Cycloronic ship.** L. Katolin. *Sov. voen.* 49 no. 1:32-33 Ja '67
- Designing of key-type demodulators.** V. I. Gostev. *Izv. vys. ucheb. zav., elektromekh.* no. 4:151-173 Ap '67.
- Determination of frequency characteristics using a transfer function.** A. N. Lebedev. *Izv. vys. ucheb. zav., elektromekh.* no. 5:598-599 My '67
- Determination of numerical characteristics in the probability distribution of proper operation of an automatic protection system.** V. V. Malev. *Izv. AN SSSR, Tekh. kib.* no. 1:148-65 Ja-F '67.
- Determination of the continuous operating component of quasi-continuous pulse systems.** A. A. Bulgakov. *Dokl. VSSSR* 174 no. 1:45-46 My '67.
- Determination of the probability of nonachievement of fixed boundaries by a single-dimensional Markovian process.** V. S. Zaslavskii. *Izv. AN SSSR, Tekh. kib.* no. 2:66-71 Mi-Ap '67.
- Determination of the reaction of a sampled-data control system to a disturbance with random form.** G. F. Zakharev. *Prib. i sist. avtom.* no. 4:37-41 '66.
- Determination of the transfer function of a discrete control system equivalent to a continuous system.** L. P. Isayev. *Prib. i sist. avtom.* no. 4:51-56 '66.
- Determining dynamic characteristics of crushing units along a control channel.** V. I. Babin, V. A. Kozlov, V. S. Protsenko. *Izv. vys. ucheb. zav., gor. zhur.* 0 no. 1:141-148 '66.
- Digital computer for controlling the deviation of plants from a given course.** A. A. Volkov and others. *Prib. i sist. avtom.* no. 4:117-125 '66
- Dispersive effects.** D. A. [Inspection and automatic control of processes of nonferrous metallurgy] *Kontrol' i avtomatizatsiia protsessov v tsvetnoi metallurgii*, Moskva, Metallurgiya.
- Pt. 2.** [Automatic control of metallurgical processes] *Avtomatizatsiia metallurgicheskikh protsessov*, 1967, 403 p.
- Dispersion methods for identification of multidimensional nonlinear control plants.** N. S. Ratman, O. F. Khanash. *Avtom. i telem.* no. 5:5-29 My '67.
- Dynamic errors of standard digital filters.** N. I. A. Sitko. *Prib. i sist. avtom.* no. 4:15-20 '66
- Electric drive system with high precision.** V. V. Andrushchuk and others. *Izv. vys. ucheb. zav., elektromekh.* no. 5:533-541 My '67.
- Equipment for automatic guiding of welding head along a butt.** A. I. Akulov, E. A. Gladkov. *Svar. protzv.* no. 3:40-42 Mi '67.
- Evaluation of effectiveness of restorable control systems.** K. S. Zherbin, A. A. Pervozvanski. *Izv. AN SSSR, Tekh. kib.* no. 2:38-43 Mr-Ap '67
- Evaluation of the quality of control.** B. A. Verkhovtsov and others. *Khim. prom.* 42 no. 9:58-60 S '66.
- Experience in automatic determination of the moisture of coal charge mixtures during their flow.** I. U. A. Chernyshov, V. G. Gruzintsev. *Koks i khim.* no. 4:10-13 '67
- Experience in automation of Rudki gas field.** V. Shikiri-nets. *Gaz. delo* no. 4:32-36 '67.
- Experimental automatic two-drum winches for manless coal mining with wire-rope sawing machines.** V. A. Goshkov, M. V. Zhernevskii. *Nauch. trudy PermNIUI* no. 7:141-144 '64.
- Experimental dynamic characteristics of gas wells and their equations.** B. F. Taranenko. *Izv. vys. ucheb. zav., nef't' i gaz* 10 no. 4:105-109 '67
- Frequency conditions for the stability of the solutions to nonlinear integral equations describing automatic control.** V. A. Akubovtch. *Vest. LGU* 22 no. 7:109-125 Ap '67.
- Frequency method for determining the transfer functions of a sampled-data control system using the $h_y(t)$ functions.** A. V. Iakovlev. *Prib. i sist. avtom.* no. 4:57-65 '66.
- Garber, E. D., and M. Sh. Shifrin.** [Nonlinear problems in the automatic control of marine power plants] *Nelineynye zadachi avtomaticheskogo regulirovaniia sudovykh energeticheskikh ustanovok*. Leningrad, Sudostroenie, 1967, 325 p.
- Getler, L. D.** [Introduction to the theory of automatic control] *Vvedenie v teorii avtomaticheskogo regulirovaniia*. Minsk, Nauka i tekhnika, 1967, 525 p.
- Generalization on Pontryagin's maximum principle.** R. L. Stratonovich. *Izv. AN SSSR, Tekh. kib.* no. 1:3-7 Ja-F '67.
- Gerasimov, S. G.** [Theoretical fundamentals of automatic regulation of thermal processes] *Teoreticheskie osnovy avtomaticheskogo regulirovaniia teplovyykh protsessov*. Moskva, Vysshiaia shkola.
- Pt. 1.** [General theories and concepts] *Obshchie polozheniia i poniatia*, 1967, 208 p.
- Graphical method for constructing frequency characteristics of a closed-loop automatic control system using amplitude-phase characteristics of an open system.** V. M. Klein, V. A. Timofeev. *Izv. vys. ucheb. zav., elektromekh.* no. 1:87-91 Ja '67.
- Improving the circuits of automatic electric drives.** I. U. N. Avtik, V. V. Svirzhantov. *Sudostroenie* 57 no. 5:29-32 My '67
- Investigating automated electric drive with semiconductor rectifiers for pumping jacks.** M. I. A. Felshteyn. *Izv. vys. ucheb. zav., nef't' i gaz* 0 no. 11:97-99 '66
- Investigating the stability of controlled systems.** I. M. Sidorov, S. V. Cherenykh. *Mekh. i ver. teia* no. 2:74-80 Mr-Ap '67.
- Kadynov, I. A.** [Problems of the automation of oil well drilling] *Voprosy avtomatizatsii bureniia nef'tiannykh skvazhin*, Moskva, Znanie, 1967, 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, 5)
- Kasandrovskii, V. R.** [Automatic control of kilns in the refractories industry] *Avtomatizatsiia pechel'nykh i promyshlennost', Moskva, Metallurgiya*, 1967, 177 p.
- Linear model of hydraulic coal dredgers with cascade drive.** V. A. Shit'skii, V. D. Potanov. *Izv. vys. ucheb. zav., gor. zhur.* 10 no. 3:136-140 '67.
- Makovich, A. R., and V. I. Sverdlov.** [Automating individual iron founding processes] *Avtomatizatsiia odel'nykh protsessov chugunoliteinogo proizvodstva*, Leningrad, 1967, 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Progressivnoe formobrazovanie)
- Man as a link in the automatic control system.** V. A. Zhuravlev. *Sudostroenie* 57 no. 3:60-62 Mr '67.
- Mechanization and automation of trimming and cleaning operations.** E. G. Chugunnyi. *Lit. protzv.* no. 5:43 My '67.
- Method for calculating the power of the actuating engine of the towing winch.** S. A. Vladimirov. *Sudostroenie* 57 no. 4:41-47 Ap '67
- Method for determining the actual parameter of fluctuations in an automatic two-position control.** B. F. Taranenko. *Gaz. delo* no. 5:27-29 '67.
- Method for sequential optimization in problems of control.** V. M. Ponomarev. *Izv. AN SSSR, Tekh. kib.* no. 2:3-8 Mr-Ap '67.
- Method for the synthesis of a discrete automatic system taking into account physical realization of a digital filter.** E. A. Kuz'min, N. I. A. Sitko. *Prib. i sist. avtom.* no. 4:10-14 '66
- Method of determining the coupling factor of the system regulating the pneumatic conveying in a hydrocracking plant.** A. Kh. Mamedov. *Za tekhn. prog.* 7 no. 4:3-5 Ap '67
- Methods and system for overall automation of marine power plants.** I. A. Rumiantsev. *Sudostroenie* 57 no. 4:29-32 Ap '67
- Model of a class of essentially nonlinear plants.** F. A. Ovsepian. *Avtom. i telem.* no. 5:30-36 My '67
- Model of an optimization system.** C. Beles, I. Ghita, C. Georgescu. *Tekh. i voruzh.* 25 no. 12:58-59 D '66.
- Modernization of the basic planetary control of gear of automatic looms.** I. U. F. Elchikh. *Izv. vys. ucheb. zav., tekhn. tekst. prom.* no. 1:176-178 '67.
- Need of bases for the repair of the automatic control systems on ships.** N. Kazakhov. *Mor. flot* 27 no. 5:34 My '67
- Nomograms for the analysis and synthesis of static automatic control systems.** A. A. Vavilov, A. A. Bezikonnyi. *Izv. vys. ucheb. zav., elektromekh.* no. 1:70-81 Ja '67.
- [Numerical control systems for precision mechanisms] Tsifrovye statemy upravleniia tochnymi mekhanizmami.** Leningrad, Nauka, 1967, 201 p.
- On the quality of control in problems affecting the analytic design of optimal regulators.** V. N. Romanenko. *Ukr. mat. zhur.* 19 no. 3:79-81 '67
- One of the ways of automation.** V. B. Shlumper. *Mekh. i avtom. protzv.* 21 no. 5:13-16 '67
- Operations control in open-pit mining.** A. D. Shkol'nikov. *Zap. LGU* 52 no. 1:84-87 '66
- Optimal control of systems with distributed parameters.** G. L. Dogladov, T. K. Strazhdinov. *Izv. AN SSSR, Tekh. kib.* no. 1:151-160 Ja-F '67.
- Optimization of processes in search for extremum functions using a priori data.** N. M. Emel'ianova. *Avtom. i telem.* no. 5:160-165 My '67.
- Optimum control of drilling process.** V. O. Rapoport. *Izv. vys. ucheb. zav., nef't' i gaz* 9 no. 11:101-104 '66
- Organizational structure of automated petroleum production enterprise with computer equipment.** A. A. Abdul-lae and others. *Azerb. nef't. khoz.* 46 no. 4:31-34 Ap '67.
- Orthogonal method for studying nonlinear automatic control systems with random effects.** K. A. Pupkov, G. G. Sebrakov. *Izv. AN SSSR, Tekh. kib.* no. 2:157-167 Mi-Ap '67.
- Pei for manee of a control computer in a regulating mode M. A. Ducl' and others.** *Mekh. i avtom. upr.* no. 2:25-27 Mi-Ap '67
- Permissible response time for automatic equipment controlling combustion processes.** S. I. Mukhin. *Nauch. trudy AKKh* no. 38 Tept. gos. no. 2:234-244 '65
- Polushkin, N. P.** [Automatic control of hydraulic turbines] *Avtomaticheskoe regulirovanie gidroturbin*, [Leningrad] Energiia, 1967, 201 p.
- Precipitation of copper oxychloride as the objective of automatic control.** A. K. Matdaniik, Z. I. A. Kozanevich. *Khim. prom. Ukr.* no. 5:34-37 S-O '66.
- Prediction of the trajectory of a stochastic system with an inertial measuring unit.** I. U. I. Parayev. *Izv. AN SSSR, Tekh. kib.* no. 1:137-160 Ja-F '67.
- Principles of the construction of optimal automatic flow distribution systems in hydraulic networks.** A. A. Volkov. *Prib. i sist. avtom.* no. 4:133-138 '66
- Principles underlying the programming of the operation of automatic marine power plants.** B. A. Glikin. *Sudostroenie* 57 no. 2:46-50 My '67.
- A problem in the synthesis of optimum control for a discrete linear object.** A. A. Pervozvanski. *Trudy LPI* no. 260:113-118 '66
- Problem on optimal discrete control of the finite state of a linear stochastic system.** V. V. Matyshev. *Avtom. i telem.* no. 5:64-70 My '67.
- Problems of digital stimulation of discrete automatic systems.** G. F. Lugovoi. *Prib. i sist. avtom.* no. 4:95-101 '66.
- Regulating operations of truck transportation in open-pit mines.** V. I. Gant'sht. *Nauch. trudy Mos. inst. radioelek. i gor. elektromekh.* no. 51:119-120 '65.
- Regulating the boring process for a maximum progress per bit.** I. P. Petrov, N. B. Sitnikov. *Izv. vys. ucheb. zav., gor. zhur.* 10 no. 3:125-129 '67
- Relationship between theorems in mathematical programming and the maximum principle.** A. A. Pervozvanski. *Izv. AN SSSR, Tekh. kib.* no. 1:10-13 Ja-F '67.
- Relationship of dynamic programming with Liapunov's functions in problems of analytical design of impulse controllers.** P. D. Krut'ko. *Izv. AN SSSR, Tekh. kib.* no. 1:103-107 Ja-F '67.
- Reliability and preventive maintenance of automatic control systems.** I. U. Valeniev. *Rech. transp.* 26 no. 3:32 '67.
- Results of statistical analysis of parameters of preliminary petroleum refining process.** V. M. Goltysn and others. *Nefteprom. delo* no. 3:19-23 '67

ALTRADIOGRAPHY (Continued)

Radiographic study of the reproduction of nuclear fission in *Artemisia annua* L. O. N. Luptonova, A. B. Zolotarev. *Vysk. biologiya* 46 no. 2 281-285 Apr '67

VALESHVILI, SALOMEIA DIMITRIEVNA, 1899-1967

Salomeia Dimitrievna Valeshvil, obituary. *Med. paraz. i tseleb. bol.* 36 no. 2 252-253 Mar-Apr '67

VIATION MEDICINE

Characteristics of some indices of human movements under conditions of transition to nightlessness. M. A. G. Repkina. *Voen.-med. zhur.* no. 5 76-77 May '67

AXINTE see subdivision under Lifudzin region (Maritime Territory)

AXONOMETRIC PROJECTION

Analysis of approximation of the middle surface of blade of rotating hydraulic turbines. V. K. Zakharenko. *Prikl. geom. i inzh. graf.* no. 3 104-108 '65

Constructing a frame of reference in axonometry on curved axes. G. K. Nikolaevskii. *Prikl. geom. i inzh. graf.* no. 3 55-60 '65

Construction of axonometric projections of objects given in projections with numerical marks using the method of rectangular coordinates. M. G. Belousova. *Prikl. geom. i inzh. graf.* no. 3 46-54 '65

Relation between the elements of axonometric projection in rectangular n-dimensional axonometry. N. S. Gumen, A. V. Prilev. *Prikl. geom. i inzh. graf.* no. 3 '65

AZEOTROPY

Equilibrium of azeotropic mixtures in the system methyl ethyl ketone - cyclohexane - isopropyl alcohol. N. V. Lutugina, V. A. Kobzarev, I. M. Podberezkina. *Vest. LGU* 22 no. 4 42-51 Apr '67

AZEPHON

Free-radical polymerization of ϵ -caprolactam in the presence of isocyanates as activators. M. M. Abdolmoneim, F. I. Azmeh and others. *Vysokom. soed. Ser. A* 9 no. 4 341-349 Apr '67

Some features of low-temperature anionic polymerization of ϵ -caprolactam. M. M. Abdolmoneim, F. I. Azmeh, V. V. Koshchuk, V. A. Sergeev. *Vysokom. soed. Ser. A* 9 no. 4 930-934 Apr '67

AZERBAIJAN—AFFORESTATION

Irrigation afforestation in Azerbaijan. G. I. Kuliev. *Vest. sel'khoz. nauki* 12 no. 3 46-51 May '67

AZERBAIJAN—AGRICULTURAL IMPLEMENTS

Some agricultural implements of northeastern Azerbaijan. G. D. Dzavadov. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 110-122 '66

AZERBAIJAN—BITS (DRILLING AND BORING)

Efficiency of GDR-214 sanding cutting bits in Azerbani area. T. G. Vekilov and others. *Azerb. neft. khoz.* 46 no. 5 14-16 May '67

AZERBAIJAN—COMMUNITY CENTERS

Laurels and thorns of the festival. A. Amasov. *Sov. profsoyuz* 23 no. 9 43-45 May '67

AZERBAIJAN—CONSTITUTIONAL LAW

Constitutional foundations of the sovereignty of the Azerbaijan S.S.R. S. K. Kasumov, Z. M. Kasumov. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 110-122 '66

AZERBAIJAN—CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Training the new cadres and raising the qualifications of the employees of the building materials industry as well as the construction workers of Azerbaijan. M. I. Kuliev. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 30-37 May '66

AZERBAIJAN—DATURA

Growing *Datura innoxia* Mill. in Azerbaijan. M. A. Ragimov. *Izv. AN Azerb. SSR. Ser. Biol. nauk* no. 6 25-32 '66

AZERBAIJAN—EDUCATION

How the general education of the workers of Azerbaijan industrial enterprises improved in the period of post-war industrial development, 1916-1950. A. M. El'darov. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 11-19 '66

AZERBAIJAN—ELECTRIC NETWORKS

Some problems of increasing the dependability of electric networks in subtropical areas of the Azerbaijan S.S.R. M. I. Kalanov, A. P. Ragimov, E. M. Fatkhadzade. *Za tekhn. prog.* 7 no. 4 13-18 Apr '67

AZERBAIJAN—ERMINE MOTHS

Biology of *Yponomeuta malinellus* Zell. in Azerbaijan and its difference from *Yponomeuta oadellus* L. D. D. Kurbanova. *Zool. zhur.* 46 no. 4 551-555 Apr '67

AZERBAIJAN—ETHNOLOGY

A conference on the problem of the origin and development of the Azerbaijani people. K. Alov. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 126 '66

AZERBAIJAN—FOLK MEDICINE

Interesting manuscript on medicine. N. S. Garayev. *Azerb. med. zhur.* 11 no. 3 73-75 Mar '67

AZERBAIJAN—FRESHWATER FAUNA

Materials on bottom fauna of rice fields and reservoirs in Lenkoran - Astara region. Kh. S. Fikrullayeva. *Izv. AN Azerb. SSR. Ser. Biol. nauk* no. 6 69-76 '66

AZERBAIJAN—GEOLOGY, STRUCTURAL

Exploring Shivanova structure. E. A. Tagiev. S. G. Nadirov, G. A. Guliev. *Azerb. neft. khoz.* 16 no. 5 14-5 May '67

Relationship between structural plans of Upper Pliocene and Miocene-Paleogene sediments in the Buzdag-Lanadzhin region. A. A. Kurimov. *Izv. vyz. ucheb. zav. neft. i gaz* 10 no. 1 11-13 '67

AZERBAIJAN—HEART—INFARCTION

Letality and incidence of myocardial infarct in cities of the Azerbaijan S.S.R. S. M. Kerimov. *Azerb. med. zhur.* 44 no. 1 53-55 Jan '67

AZERBAIJAN—HETORY

History of the establishment of the Talysh Khanate. I. S. Asadov. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 53-61 '66

AZERBAIJAN—LAUREL

Description of a new genus *Persea* Boehmeri *Persea talyshensis* sp. nov. G. M. Kasumov. *Dokl. AN Azerb. SSR* 21 no. 1 39-41 '67

AZERBAIJAN—LICORICE

Biology of root development in *Glycyrrhiza glabra* L. by root and rhizome sections along rootlength. M. A. Mikhailov, D. D. Murzayev. *Dokl. AN Azerb. SSR* 21 no. 1 39-41 '67

AZERBAIJAN—MITES

Gamasid mites in bays of Azerbaijan. A. T. Gadzhiev, T. A. Dubovchenko. *Izv. AN Azerb. SSR. Ser. Biol. nauk* no. 6 19-24 '66

AZERBAIJAN—MULBERRY—GENETIC RESEARCH

Effect of ionizing radiation and colchicine on some characters changes in mulberry varieties. I. K. Abdullayev, D. O. Gasanov. *Izv. AN Azerb. SSR. Ser. Biol. nauk* no. 6 1-10 '66

AZERBAIJAN—OIL WELL CASING

Experience in running 210mm casing - liner down to a depth of 5000 m in well No. 100 of Shakhova Kosa. T. F. Rustambekov and others. *Azerb. neft. khoz.* 16 no. 5 12-14 May '67

AZERBAIJAN—OIL WELL CEMENTING

Experience in running 210mm casing - liner down to a depth of 5000 m in well No. 100 of Shakhova Kosa. T. F. Rustambekov and others. *Azerb. neft. khoz.* 46 no. 5 12-14 May '67

AZERBAIJAN—OIL WELL DRILLING—CONGRESSES

Session of Scientific and Technical Council. *Azerb. neft. khoz.* 46 no. 5 14-15 May '67

AZERBAIJAN—OIL WELL DRILLING, SUBMARINE

Speed up, prospecting of offshore fields. *Azerb. neft. khoz.* 46 no. 5 11-12 May '67

AZERBAIJAN—OIL WELLS—ACIDIZATION

Using acid heat treatment of well bottom zone in fields of Azerbaijan. I. M. Dzhamalov, M. K. Bagirov, A. S. Aleskerov. *Azerb. neft. khoz.* 46 no. 5 27-29 May '67

AZERBAIJAN—PETROLEUM INDUSTRY

Azerbaijani petroleum workers prepare for the glorious anniversary. I. Abdullayev. *Neftianik* 12 no. 1 8-9 Apr '67

AZERBAIJAN—PETROLEUM PRODUCTION—FINANCE

Status and use of fixed assets in Oil Field Administration of "Ordzhonikidzenefi". N. M. Gadzhiev. *Azerb. neft. khoz.* 46 no. 5 47-48 May '67

AZERBAIJAN—PETROLEUM PRODUCTION—TECHNOLOGICAL INNOVATIONS

Reviewing efficiency promotion work. V. Kroil. *Neftianik* 12 no. 1 27-28 Apr '67

AZERBAIJAN—PETROLEUM PRODUCTION, THERMAL

Using acid heat treatment of well bottom zone in fields of Azerbaijan. I. M. Dzhamalov, M. K. Bagirov, A. S. Aleskerov. *Azerb. neft. khoz.* 46 no. 5 27-29 May '67

AZERBAIJAN—PHILOLOGY

Discussion of the work of the Institutes of Literature and Language of the Azerbaijani and Armenian Academies of Sciences. L. Kumelan. *Izv. AN SSSR. Ser. Lit. i iaz.* 26 no. 1 90-92 Jan-Feb '67

AZERBAIJAN—PLAGUE—PREVENTION

Activity of *Academiola* D. K. Zabolotnyi in control of plague in Azerbaijan. R. B. Dzavadov. *Zhur. mikrobiol., epid. i immun.* 44 no. 4 131-132 Apr '67

AZERBAIJAN—Q FEVER

Q fever according to materials of infectious diseases clinic of the Azerbaijan Institute of Advanced Training of Physicians. Sh. S. Khalilov. *Azerb. med. zhur.* 44 no. 3 19-25 Mar '67

AZERBAIJAN—RUSSIAN NEWSPAPERS

Early history of the newspaper "Kommunist" and the growth of its cadres in the period of reconstruction, 1921-1925. Dzh. Magomedov. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 3-10 '66

AZERBAIJAN—SALINE AND ALKALI SOILS

Development of desalinization of soils in depth. V. R. Volobukh. *Gid. i mel.* 19 no. 5 82-88 May '67

AZERBAIJAN—SHEEP

Some histological characteristics of mammary gland structure in sheep of Balas, Karabakh and Azerbaijani mountain meadow breeds. I. I. Zaidov. *Izv. AN Azerb. SSR. Ser. Biol. nauk* no. 6 77-80 '66

AZERBAIJAN—SHERRY

Role of grape variety and various sherry yeast strains in making sherry. A. S. Garayev, I. N. Dadashov. *Dokl. AN Azerb. SSR* 23 no. 1 67-70 '67

Specialization in the production of sherry in Azerbaijan. A. S. Gasanov, E. N. Dadashov. *Za tekhn. prog.* 7 no. 2 46-48 Apr '67

AZERBAIJAN—SHIPBUILDING—TECHNOLOGICAL INNOVATIONS

Makers of technical progress. M. Belikov. *Mos. flot* 27 no. 4 1-5 Apr '67

AZERBAIJAN—SOCIALIST COMPETITION

Azerbaijani petroleum workers prepare for the glorious anniversary. I. Abdullayev. *Neftianik* 12 no. 1 8-9 Apr '67

AZERBAIJAN—SOCIALIST PROPERTY

History of the legal protection of collective farm property in the Azerbaijan S.S.R. during the over-all collectivization. A. Abdullayev. *Vest. Mosk. univ. Ser. I: Prava* 22 no. 3 76-80 May-June '67

AZERBAIJAN—SOILS

Brown mountain-forest weakly podzolic soils on the southern slope of Greater Caucasus in Azerbaijan. S. R. G. A. Salomov. *Izv. AN Azerb. SSR. Ser. Biol. nauk* no. 6 81-87 '66

AZERBAIJAN—STILL-LIFE PAINTING

Development of Azerbaijani still-life painting. N. M. Miklashevskaya. *Isk. Azerb.* no. 9 86-134 '63

AZERBAIJAN—TEA—IRRIGATION

Use of impulse sprinklers. Z. N. Okalova, V. G. Brinkov. *Gid. i mel.* 10 no. 1 42-48 Apr '67

AZERBAIJAN—TYPHOID FEVER

Some problems of epidemiology and prevention of typhoid fever in the Azerbaijan S.S.R. B. F. Medvedev. *Azerb. med. zhur.* 11 no. 3 13-49 Mar '67

AZERBAIJAN—VIEWS

Guseynov, G. [Azerbaijani in photographs] *Azerbaijani v fotografikh*. Baku, Azerbaidzhanskoe gos. izd-vo, 1966. 9 p. (chiefly illus.)

AZERBAIJAN—WHEAT—IRRIGATION

Response of winter wheat varieties to the methods of cultivation and irrigation. P. E. Grebennikov, V. G. Grebennikov. *Vest. sel'khoz. nauki* 12 no. 5 13-17 May '67

AZERBAIJAN—WOMEN—EMPLOYMENT

Participation of women in the movement for communist labor in the industrial enterprises of Azerbaijan, 1959-1964. E. Kadyrova. *Izv. AN Azerb. SSR. Ser. Ist., filol., i prava* no. 2 20-29 '66

AZERBAIJANI JEWELRY see Jewelry, Azerbaijani

AZERBAIJANI MANUSCRIPTS see Manuscripts, Azerbaijani

AZERBAIJANI PAINTING see Painting, Azerbaijani

AZERBAIJANI RUGS AND CARPETS see Rugs and Carpets, Azerbaijani

AZIDES

Reactions of tetraphenylmethylenediphosphine with aromatic azides. V. A. Gilmanov, V. I. Kovtun, M. I. Kabachnik. *Izv. AN SSSR. Ser. Khim.* no. 5 1159-1161 May '67

AZO COMPOUNDS

Reaction of trifluoromethanes with amines. Fluorinated azo compounds. A. S. Filatov, S. P. Makarov, A. L. Lukovich. *Zhur. obshch. khim.* 37 no. 1 837-841 Apr '67

- PRINTING OF FABRICS** made from acetate fibers with insoluble azo dyes. F. I. Sadov, K. G. Kholina, N. F. Bulusheva, Izv. vuz. ucheb. zav. tekhn. tekhn. prom. no. 1-85-89, 197.
- AZO BENZENE**
Spectral study of complex formation of methyl-substituted azobenzenes. N. B. Kupletskaya and others. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2 98-101 M-Ap '67.
- AZOTOBACTER—CULTURES AND CULTURE MEDIA**
(see also subdivision under White Russia)
Effect of physiologically active substances on the growth and productivity of nitrogen fixation of various Azotobacter species and race Beijerinckia. Zh. M. Ginzburg. Dokl. AN Azerb. SSR 23 no. 1 76-79 '67.
Reduction of molecular nitrogen in model systems. I. D. Ivanov and others. Mikrobiologiya 36 no. 2 205-209 M-Ap '67.
- AZOV, SEA OF—FISHES**
Main causes for the decrease in fish stock in Caspian and Azov Seas. T. F. Dement'eva. Ryb. khoz. 43 no. 5 5-9 '67.
- BCG—CULTURES AND CULTURE MEDIA**
Multiplication of BCG in tissue culture. A. M. Rozenberg. Zhur. mikrobiol., epid. i immun. 44 no. 5 120-123 M-Ap '67.
- BACILLARY NECROSIS** see Necrosis, Bacillary
- BACON, FRANCIS, 1561-1626**
At the sources of the scientific method of knowledge in modern philosophy. A. M. Ekmatian. Vest. obshchestv. nauk AN Arm. SSR no. 5 27-37 '67.
- BACTERIA, AEROBIC—CULTURES AND CULTURE MEDIA**
Chemical cell composition in continuous Bacillus megaterium culture. I. I. Ivanova, Z. V. Sakharova, N. D. Teresimskii. Mikrobiologiya 36 no. 2 233-258 M-Ap '67.
Problem of separation of complementary DNA strands. S. C. Brestin and others. Mol. biol. 1 no. 3 391-394 M-Jc '67.
Properties of sensitive and resistant Bacillus licheniformis cultures to novobiocin. I. V. Kuznetsova. Mikrobiologiya 36 no. 2 267-273 M-Ap '67.
Relationship between competence state and certain growth phase in Bacillus subtilis culture. A. N. Paritskii. Mikrobiologiya 36 no. 2 222-226 M-Ap '67.
- BACTERIA, ANAEROBIC—CULTURES AND CULTURE MEDIA**
Antimicrobial properties of anaerobic spore-forming bacteria. V. I. Duda, M. Singer, N. A. Krasil'nikov. Mikrobiologiya 36 no. 2 302-308 M-Ap '67.
- BACTERIA, ENTOMOPATHOGENIC**
Hemolymph of the brown leaf moth (Euprostis chrysorrhoea L.) and pathological changes in it under the effect of entomopathogenic bacteria. N. V. Lappa. Zashch. rast. [Kiev] no. 1 60-76 '67.
- BACTERIA, HETEROTROPHIC** see subdivision under Aden, Gulf Of; Red Sea
- BACTERIA, NITRIFYING—CULTURES AND CULTURE MEDIA**
Association of nitrifying and denitrifying bacteria on Vinogradskii's medium. R. I. Nikovskaya, M. M. Dzhanchevashvili. Soob. AN Gruz. SSR 46 no. 2 431-438 M-Ap '67.
- BACTERIA, SULFUR** see subdivision under Kyzyl-Agach Gulf
- BACTERICIDES**
Effect of the type of the relationship between the antimicrobial preparation and the functional groups of the cellulose macromolecule on the antimicrobial properties of tissue. A. D. Virnik and others. Zhur. mikrobiol., epid. i immun. 44 no. 5 116-112 M-Ap '67.
- BACTERIOPHAGE**
Carrier state of latent phages between different types of intestinal bacteria. R. B. Ginzburgskaya, A. A. Totolian. Zhur. mikrobiol., epid. i immun. 44 no. 6 67-70 Je '67.
Derepression of nucleic acid synthesis following destruction of bacteria. I. A. Bassa, I. U. N. Zograf, R. B. Khesin. Mol. biol. 1 no. 3 436-448 M-Jc '67.
Effect of DNA synthesis on the regulation of mRNA formation in Escherichia coli B cells infected with T-even phages. I. U. N. Zograf, V. G. Nikiforov, M. F. Shentak. Mol. biol. 1 no. 1 94-103 Ja-F '67.
Effect of chloramphenicol on RNA synthesis in bacteria adsorbing phage shells. D. I. Golub, V. G. Nazarenko, V. V. Smol'taninov. Mikrobiologiya 36 no. 2 264-297 M-Ap '67.
Experience in phage typing of diphtheria bacilli. G. G. Ezhova. Zhur. mikrobiol., epid. i immun. 44 no. 5: 93-98 M-Ap '67.
- INFECTION OF LYZOTRYPHOPHAGS WITH ISOLATED DNA FROM BACTERIOPHAGE T7**. V. V. Danilichenko. Genetika no. 5 122-127 M-Ap '67.
- LYSIS ACTIVITY OF THE BACTERIOPHAGE USED IN PLANNED PHAGING IN CHILDREN'S INSTITUTIONS OF PERM IN 1963-1965**. N. P. Smirnova. Zhur. mikrobiol., epid. i immun. 44 no. 4 136-137 Ap '67.
- MORPHOLOGY OF KLEBSIELLA SCLEROMATIS PHAGES**. S. B. Stefanov, I. M. Gabrilovich. Mikrobiologiya 36 no. 2 298-301 M-Ap '67.
- OBTAINING H-MUTATIONS IN BACTERIOPHAGE T1 WITH THE HELP OF SLOW PROTONS**. E. I. Morozov, N. A. Tsiotskii. Dokl. AN BSSR 11 no. 4 371-372 Ap '67.
- PHAGE TYPING AS A METHOD OF DETECTING EPIDEMIOLOGICAL ASSOCIATIONS IN DIPHTHERIA FOCI**. N. A. Kravchenko and others. Zhur. mikrobiol., epid. i immun. 44 no. 6: 80-84 Je '67.
- PHAGE TYPING OF STAPHYLOCOCCI ISOLATED FROM COWS WITH MASTITIS**. L. I. Petrusheva. Zhur. mikrobiol., epid. i immun. 44 no. 5 128-133 M-Ap '67.
- PREPARATION AND NUCLEIC ACID BASE COMPOSITION OF ANTIOPHAGE OF ACTINOMYCETES STREPTOMYCIN STRAIN**. Z. M. Kochkina, I. A. I. Rautenshtein. Mikrobiologiya 36 no. 2 290-293 M-Ap '67.
- SOME PROPERTIES OF A BACTERIOPHAGE ACTIVE IN RESPECT TO PROTEUS PYOGENES**. A. V. Gorasimov, V. D. Melnikov. Zhur. mikrobiol., epid. i immun. 44 no. 4 86-88 Ap '67.
- BACTERIOPHAGE—GENETIC RESEARCH**
Circular genetic map of bacteriophage T4D. V. N. Kiylov, S. L. Alkhanian, E. S. Morozova. Genetika no. 5 128-132 M-Ap '67.
- BACTERIOVIRIDIN**
Reversible photooxidation of bacterioviridin resulting in the formation of electrode-active form. V. B. Evstigneev, V. A. Gavrilova, G. D. Olovianishnikova. Mol. biol. 1 no. 1 50-56 Ja-F '67.
- BAGSHETSI, ARAKEL, 1380?-1454?**
Arakel Bagshetsi. A. A. Kazian. Vest. obshchestv. nauk AN Arm. SSR no. 11 82-89 N '66.
- BACRITSKII, EDUARD GORGIEVICH, 1895-1934**
Happy Eduard Semen Olender. Oktabr' 44 no. 1 183-193 Ap '67.
Inspired by the October Revolution. V. Rybakov. Sem'ia i shkola 22 no. 5 20-22 M-Ap '67.
- BAIKAL, LAKE—INFUSORIA**
Seasonal changes in planktonic infusorians of the Selenga region of Lake Baikal. M. B. Eggert. Gidrobiol. zhur. 3 no. 3 28-34 '67.
- BAIKAL, LAKE—MARINE SEDIMENTS—THERMAL PROPERTIES**
Using the method of a balloon sonde in measuring the thermal conductivity of the bottom sediments of Lake Baikal. E. A. Liubimova, A. K. Popova. Izv. AN SSSR, Fiz. zem. no. 5 71-74 M-Ap '67.
- BAIKAL LAKE REGION—GEOLOGICAL TIME**
Age of igneous rock formations of the Sayan-Baikal mountain region. V. A. Dvorkin-Samaraki, G. I. Tugovik. Trudy BKNII 22: 16-28 '66.
- BAIKAL LAKE REGION—GEOLOGY**
Boundary of Lower Cambrian and Pre-Cambrian in northern part of Lake Baikal region. S. A. Gurulev. Trudy BKNII no. 15 3-10 '64.
Characteristics of the structure and composition of the essentially volcanic Khibinsk series of the central part of the Akhikan Range (Baikal mountain region). I. U. M. Shuvalov and others. Trudy BKNII 22: 82-95 '66.
- BAIKAL LAKE REGION—NEPHELITE**
Nephelization in near-contact zones of the Burpala alkali massif (northern part of the Lake Baikal region). A. M. Portnov, E. A. Nechayeva. Izv. AN SSSR, Ser. geol. no. 5 71-76 M-Ap '67.
- BAIKAL LAKE REGION—PALEOGEOGRAPHY**
Some paleogeographic conditions governing sedimentation in Upper Proterozoic of northern part of Lake Baikal region. L. M. Barburin. Trudy BKNII no. 15 11-16 '64.
- BAIKAL LAKE REGION—PHYTOPLANKTON**
Winter and early spring phytoplankton in the Selenga River and the delta region of Lake Baikal. L. A. Ustuzhanina. Bot. zhur. 52 no. 5 672-675 M-Ap '67.
- BAIKAL LAKE REGION—POPULAR-VARIETIES**
Variety testing of poplar in brown salinized soils of the northern Lake Baikal region. I. A. Smirnov. Vest. sel'khoz. nauki [Kazakh] 10 no. 5 66-71 M-Ap '67.
- BAIKAL LAKE REGION—ROCKS, IGNEOUS**
Akhikan alkali massif. G. V. Andreev, V. A. Dvorkin-Samaraki. Trudy BKNII 22: 98-103 '66.
- NEPHELIZATION IN NEAR-CONTACT ZONES OF THE BURPALA ALKALI MASSIF (NORTHERN PART OF THE LAKE BAIKAL REGION)**. A. M. Portnov, E. A. Nechayeva. Izv. AN SSSR, Ser. geol. no. 5 71-76 M-Ap '67.
- BAIKAL LAKE REGION—SEDIMENTATION AND DEPOSITION**
Some paleogeographic conditions governing sedimentation in Upper Proterozoic of northern part of Lake Baikal region. L. M. Barburin. Trudy BKNII no. 15 11-16 '64.
- BAIKAL LAKE REGION—TOURISM**
Gusev, O. K., and S. K. Ustunov. [Across the northern part of Lake Baikal and the Lake Baikal region] Po Severnomu Baikalu i Pribaikaliu. Moskva, Fizkul'tura i sport, 1966. 100 p.
- BAIKAL LAKE REGION—WEATHERING**
Crusts of Pre-Lower Cambrian weathering surface on rocks of Chaya gabbro-porphyrite massif (northern part of Lake Baikal region). S. I. Gurulev, K. S. Sambucy. Trudy BKNII no. 15 17-26 '64.
- BAIKAL-VITIM HIGHLAND—GEOLOGY, STRUCTURAL**
Cambrian paleotectonics of the Baikal-Vitim Highland (structural-facies regionalization). M. M. Iazmir. Trudy BKNII no. 21 40-58 '66.
- BAIKAL REGION (CHELYABINSK PROVINCE)—IRON ORES**
Studying processes of softening Baikal deposit siderites. A. G. Zhuneev. Teori. i prakt. mot. no. 7 3-9 '64.
- BAKED PRODUCTS**
Use of whey. L. P. Kas'k. Khleb. i kond. prom. 11 no. 5 36-37 M-Ap '67.
- BAKED PRODUCTS, FROZEN** see subdivision under Czechoslovakia
- BAKERIES**
(see also subdivision under Poland)
Direct socialist competition towards the increase of industrial effectiveness. A. F. Romashkina. Khleb. i kond. prom. 11 no. 5 2-1 M-Ap '67.
- BAKERIES—ACCOUNTING**
(see also subdivision under Moscow)
Progressive methods and inadequate recording system in accounting. I. F. Petlov. Khleb. i kond. prom. 11 no. 5 30-31 M-Ap '67.
- BAKERIES—CONGRESSES**
Conference of the activist group of the baking industry of the R. S. F. S. R. N. A. Il'inski. Khleb. i kond. prom. 11 no. 5 44-45 M-Ap '67.
Conference of the workers of labor norm establishment and research laboratories. I. M. Zolotovskii, A. S. Iuvina. Khleb. i kond. prom. 11 no. 5 48-47 M-Ap '67.
- BAKERIES—EQUIPMENT AND SUPPLIES** see subdivision under Barnaul, Kimovsk (Tula Province); Leningrad
- BAKERIES—WATER SUPPLY** see subdivision under Vinnitsa
- BAKIKHANOV, ABBAS-KULI, 1704-1847**
Akhmedov, E. M. [Presentation of A. K. Bakikhanov's cosmographic ideas] Izlozhenie kosmograficheskikh vozzrenii A. K. Bakikhanova. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1967. 79 p.
- BAKSAN VALLEY—GLACIERS**
Retraction of glaciers in the Baksan Valley. I. M. Kozlov. Vopr. fiz. i teo. geog. 46 no. 1 57-60 '65.
- BAKU—DESCRIPTION**
Baku, Shemakha and an unforgettable encounter. Olavi Linnus. Oktabr' 44 no. 3 205-207 M-Ap '67.
- BAKU—MONUMENTS**
Competition for the monument of 26 Baku commissars Dzhamila Novruzova. Dokl. AN Azerb. SSR 23 no. 1 84-88 '67.
- BAKU—PETROLEUM REFINING**
In a plant of Communist labor. Azerb. neft. khoz. 46 no. 4: 1 Ap '67.
- BAKU REGION—PETROLEUM—ANALYSIS**
Studying individual composition of n-paraffin hydrocarbons of Baku petroleum. G. G. Ashumov and others. Azerb. neft. khoz. 46 no. 4 36-37 Ap '67.
- BALAKIREV, MILI ALEKSEEVICH, 1837-1910**
[Mili Alekseevich Balakirev; chronicle of his life and work] Mili Alekseevich Balakirev; letopis' zhizni i tvorchestva. Leningrad, Muzyka, 1967. 599 p.
- BALANCE**
Selecting efficient systems of beam devices. I. S. Gorpichenko. Sbor. trud. Novosib. prav. NTORIE no. 2 58-60 '62.

BALANCE OF PAYMENTS see subdivision under Algeria

BALANCING OF MACHINERY

Approximate balancing of a rotor with variable mass
A. P. Bessonov, Mashinostroyeniye no. 3 18-26 My-Je '67

Balashin, B. V. [Static and dynamic balancing of gas-turbine rotors] Staticheskaya i dinamicheskaya balansirovka rotorov gazovyykh turbin, Moskva, Mashinostroyeniye, 1967 67 p.

Dynamic balancing of rotors V. F. Miachin, Izv. vuzov, Mash. zap. ped. inst. Gerts. 290/284-330 '66

BALASHOKHA—PRODUCE TRADE—FINANCE

More independence in management, IA Pochtar', Zakup sel'khoz. prod. no. 2 17-19 I '67

BALERS

Crackshaft of a straw baler operates reliably I. Nikul'shev, M. Frokhin, A. Dolgoplov, Tekh. v sel'khoz. 27 no. 6 75-76 '67.

Vertical balancing of straw I. Krivitsun, Tekh. v sel'khoz. 27 no. 6 65-66 '67.

BALEY REGION (CHITA PROVINCE)—GOLD ORES

Some characteristics of the localization of Baley type mineralization, V. D. Lulubalin, N. I. Simonov, Izv. Zabaik. otd. Geog. ob-va SSSR 1 no. 3 61-67 '65.

BALKHASH—ECONOMIC CONDITIONS

The working Balkhash keeps watch V. Gush, Nar. khoz. 25 no. 4 68-69 Ap '67

BALKHASH, LAKE—BENTHOS

Changes in benthos and fish feeding habits in Lake Balkhash as related to the acclimatization of mysids, S. K. Tsyutenkov, N. B. Vorob'eva, A. M. Simonov, Gidrobiol. zhur. 3 no. 1 18-51 '67.

BALKHASH, LAKE—MYSIDAE

Changes in benthos and fish feeding habits in Lake Balkhash as related to the acclimatization of mysids, S. K. Tsyutenkov, N. B. Vorob'eva, A. M. Simonov, Gidrobiol. zhur. 3 no. 3 48-54 '67.

BALKHASH LAKE REGION—GEOLOGICAL TIME

Age of the Kvzyr-Kavna Valley in the northern part of Lake Balkhash region L. D. Kudachina, Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3 69-72 My-Ie '67.

BALKHASH LAKE REGION—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of Middle Devonian sediments of the Akbatau structural-facies zone in the northwestern part of the Lake Balkhash region, M. E. Lulubanova, Uch. zap. Ped. inst. Gerts. 290/231-238 '66.

BALL BEARINGS—VIBRATION

Experimental investigation of the moments of friction due to single component vibration of high-speed ball bearings used in instruments, S. V. Karpov, Mashinostroyeniye no. 3 79-81 My-Je '67.

BALLISTOCARDIOGRAPHY

Ballistocardiography during the use of neuroplegic mixture in patients, A. G. Guseinov, Azerb. med. zhur. 44 no. 1, 81-84 Ju '67.

New method of recording precordial low frequency ballistocardiogram in rats, IU. A. Kuchak, Fiziol. zhur. [Ukr.] 13 no. 3 124-125 My-Je '67.

BALLOONS, SOUNDING

Choice of the efficient regime for ground testing radio-sounding balloons, S. V. Matolin, V. P. Gorbunov, Meteor. gidrol. no. 6 55-62 Je '67.

BALTIC REGION—CONCRETIONS

Pyrite concretions in Dicyonema shales, A. K. Pylina, Uch. zap. Ped. inst. Gerts. 290/284-330 '66.

BALTIC REGION—PALEOGEOGRAPHY

Density of quartz used for paleogeographic reconstructions, as revealed by study made of Cretaceous sediments in southern part of the Baltic region, M. IA Kats, V. F. Kazhdan, Lit. i pol. iskop. no. 2 125-137 Mr-Apr '67.

BALTIC REGION—QUARTZ

Density of quartz used for paleogeographic reconstructions, as revealed by study made of Cretaceous sediments in southern part of the Baltic region, M. IA Kats, V. F. Kazhdan, Lit. i pol. iskop. no. 2 125-137 Mr-Apr '67.

BALTIC REGION—REVOLUTION, 1917-1921

The Central Committee of the Baltic Fleet, S. Khesin, Voen.-ist. zhur. 9 no. 4, 120-125 Ap '67.

BALTIC REGION—SHALE

Pyrite concretions in Dicyonema shales, A. K. Pylina, Uch. zap. Ped. inst. Gerts. 290/284-330 '66.

BALTIC REGION—WEATHERING

Characteristics of the development of the southern part of the Baltic region, in connection with the formation and erosion of ancient weathering surfaces, V. A. Vasil'ev, Izv. AN SSSR Ser. geol. no. 5 110-120 My '67.

BALTIC SEA—ICE

Not only annual ice variations in the Baltic Sea, their probable causes and ways of forecasting, N. A. Khaminov, Okeanologiya 7 no. 2 269-278 Mr-Apr '67

BALTIC SEA—OCEANOGRAPHY

Water masses of the southern part of the Baltic Sea and their basic properties I. Bonchik, Okeanologiya 7 no. 2 210-224 Mr-Apr '67

BALTIC SEA—SEA ICE DRIFT

Possibility of studying the characteristics of ice drift using aerial photography IU. V. Gorbunov, Probl. Airt. i Anairt. no. 26 57-60 '67

BALTIC SEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS

"Vegna's" fighting miles Sudostroyeniye 57 no. 2 88-90 I '67

BALTIC STATES—FOREIGN ECONOMIC RELATIONS—RUSSIA

Konferentsiya po istorii ekonomicheskikh svyazei Priballiki s Rossiyei, [Abstracts of papers and reports of the Conference on the History of Economic Relations between the Baltic States and Russia] Tezisy dokladov i sobeschenii, Riga, Zinaine, 1966, 73 p.

BAL'ZAMOV, MIKHAIL IVANOVICH, 1909-1966

Mikhail Ivanovich Bal'zamov, obituary, Geol. nefti i gaza 11 no. 1 62 Ap '67

BANACH SPACES

Criteria of the existence of derivatives in L^p space, IU. A. Brudnyi, Mat. sbor. 73 no. 1 42-64 My '67.

Singular integral operators and sequences of convolutions in L^p spaces, O. V. Besov, P. I. Lizorkin, Mat. sbor. 73 no. 1 65-88 My '67.

Space components of perfectly continuous vector fields V. V. Nikol'shvil, Soob. AN Gruz. SSR 46 no. 1 10-26 Ap '67.

BANK EMPLOYEES see subdivision under Altai Territory, Kamensk-Dneprovskaya (Ukraine)

BANKS AND BANKING

(see also subdivision under Bulgaria, Kazakhstan; Moldavia, Orsha District, Ukraine, Volyn' Province; Yaroslavl)

Brief information on foreign exchange and banks abroad Den. i kred. 25 no. 4 92 Ap '67.

Brief information on foreign exchange and banks abroad Den. i kred. 25 no. 5 89-92 My '67

In the Board of Directors of the State Bank of the U. S. S. R. Den. i kred. 25 no. 4 93-96 Ap '67

In the Board of Directors of the State Bank of the U. S. S. R. and the Presidium of the Central Committee of the Trade Union of Government Workers Den. i kred. 25 no. 5 95-96 My '67

A new stage of the reform, Den. i kred. 25 no. 5 3-6 My '67

BANKS AND BANKING—ACCOUNTING see subdivision under Cherkassy

BANKS AND BANKING—CONGRESSES see subdivision under Lithuania

BANKS AND BANKING—GOVERNMENT OWNERSHIP see subdivision under Leningrad

BANKS AND BANKING—MANAGEMENT

(see also subdivision under Brest Province, Magnitogorsk; Nizhny Tagil)

Scientific labor organization is the basis of work, N. P. Iiseev, Den. i kred. 25 no. 5 58-60 My '67.

BAPTISTS

Altitude of Baptism toward women, I. L. Lebedeva, Uch. zap. OGPPIIA no. 20 169-185 '66.

Christmas message to all parishes of Evangelical Christians and Baptists in the U. S. S. R., Brat. vest. no. 15 '67

New Year message to all parishes of Evangelical Christians and Baptists in the U. S. S. R., Brat. vest. no. 1 6 '67

News from the parishes, Brat. vest. no. 1 68-70 '67.

BAPTISTS—CLERGY

(see also subdivision under Estonia)

In memory of the Presbyter of the Ul'yanovsk Parish Petr Aleksandrovich Kichigin Brat. vest. no. 1 62-63 '67

BAPTISTS—CONTROVERSIAL LITERATURE

Traditions of religious liberalism in modern Baptism E. G. Filimonov, Vop. nauch. ateiz. no. 2 243-269 '66

BAPTISTS—RELATIONS

Communion of Christians, Brat. vest. no. 1 16-17 '67.

Sojourn of foreign guests of the All-Union Council of Evangelical Christians and Baptists in the U. S. S. R., Brat. vest. no. 1 14-16 '67

Telegrams of condolence, Brat. vest. no. 1 61-62 '67

BAR ASSOCIATIONS

The 45th anniversary of the legal profession in the U. S. S. R., I. Kukarskii, Sov. iust. 31 no. 10 1-2 My '67.

BARANOVICH—CONVEYING MACHINERY

Overall mechanization of conveying in shops, A. V. Kaloshin, V. S. Loseva, Prom. Bel. 10 no. 4 34-36 Ap '67

BARANOVICH—COTTON MANUFACTURE

Overall mechanization of conveying in shops, A. V. Kaloshin, V. S. Loseva, Prom. Bel. 10 no. 4 34-36 Ap '67

BARBITAL

Quantitative determination and optimal conditions for the extraction of barbitol V. I. Popova, Farmatsev. zhur. 22 no. 2 28-31 '67

BARBITURATES

Effect of some barbiturates on biosynthesis of pyrimidines in vitro, S. R. Mardashev, A. B. Pilsner, Vop. med. khim. 13 no. 3 303-307 My-Je '67

BARENTS SEA—FISHES

Relation of girth to length in some Barents Sea fishes and selection of cod ends V. P. Sheslov, Trudy VNIRO 61-63-72 '66

BARENTS SEA—FORAMINIFERA, FOSSIL

Recent distribution of foraminifera and the stratigraphy of Upper Quaternary sediments of the Barents Sea, I. I. Buzmistrova, Okeanologiya 7 no. 2 302-308 Mr-Apr '67.

BARENTS SEA—GEOLOGY, STRATIGRAPHIC

Recent distribution of foraminifera and the stratigraphy of Upper Quaternary sediments of the Barents Sea, I. I. Buzmistrova, Okeanologiya 7 no. 2 302-308 Mr-Apr '67.

BARGES

Barges for the "Life route" A. K. Osmolovskii, Sudostroyeniye 57 no. 5 69-70 My '67.

BARGUZIN RANGE—GEOLOGY, STRATIGRAPHIC

Lower Paleozoic stratigraphy of Barguzin Range, S. A. Guselev, Trudy BKNII no. 15 27-40 '64. Stratigraphy and lithology of Cambrian sediments in Baramya basin (Barguzin Range), IU. S. Tarasov, Trudy BKNII no. 15 11-56 '64.

BARGUZIN VALLEY—GRANITE

Geology, petrographic characteristics, and magnetic susceptibility of granitoids of the right bank of the Barguzin River, V. A. Dvorkin-Samaritskii, N. B. Dotsman, I. F. Zolova, Trudy BKNII 22 65-70 '66.

BARITE—PRICES

Methodology of calculating wholesale prices of barite weighing material, Z. M. Borkaloko, S. M. Paniklants, Ekon. nefteob. prom. no. 1 28-30 '67.

BARIUM—TOXICOLOGY

Clinical and radiographic characteristics of baritosis, S. P. Kiplan and others, Soob. AN Gruz. SSR 46 no. 1 261-267 Ap '67.

BARIUM ALUMINATES

"Usovii," a new barium fluoraluminate, A. D. Nozhkin, V. A. Gavrilenko, V. A. Molova, Zap. Vses. min. ob-va 86 no. 1 83-86 '67.

BARIUM CHLORIDE

Complexometric method of determining barium in technical barium chloride V. N. Alferova, T. G. Davidenko, L. I. Serikova, Khim. prom. Ukr. no. 5 46-48 S-O '66.

BARIUM COMPOUNDS

Effect of heating on the secondary electron emission from the systems BaO-W and BaO-Mo at low energies of the primary electrons, N. P. Bazhanova, A. S. Kupritanov, Trudy LPI no. 277 21-28 '67.

BARIUM OXIDE

Schottky effect on barium oxide on a molybdenum backing, T. S. Kirsanova, V. A. Lednev, Trudy LPI no. 277 3-8 '67

BARIUM SULFATE

Nature of solid solutions in the system BaSO₄ - KMnO₄, N. A. Shishakov, L. P. Dmitrieva, Dokl. AN SSSR 173 no. 4 1386-1388 Ap '67.

BARIUM TITANATES

Electric aging of polycrystalline barium titanate in a constant electrical field, V. IA. Kunin, A. N. TSiklin, A. Shakirov, Trudy LPI no. 278 66-69 '67.

BARK BEETLES—PARASITES see Parasites—Bark beetles

- BIBLIOGRAPHY—AGRICULTURE** (Continued)
[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bul nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 2 8 nos. 4-36 F-D '65; 10 nos. 3, 17-21 Ja, Je-Jl '67
[New foreign books, Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. II no. 6 Je '67.
- BIBLIOGRAPHY—ARCHAEOLOGY**
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 5 '67.
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 4-5 '67.
- BIBLIOGRAPHY—ART**
[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 3 8 nos. 4-33, 35-36 F-D '65; 10 nos. 3, 17-21 Ja, Je-Jl '67.
- BIBLIOGRAPHY—ASIA**
[New Soviet and foreign literature on the countries of Asia and Africa] Nov. sov. i inostr. lit. po stran. Az. i Afr. no. 4 '67.
- BIBLIOGRAPHY—ASTRONAUTICS**
[The universe is close at hand; index of recommended literature for young people] Kosmos rindom s nami; rekomendatsii i ukazatel' literatury dlia molodezhi. Moskva, Kniga, 1967. 83 p.
- BIBLIOGRAPHY—ATHEISM**
[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. ateiz. i rel. no. 5 '67.
- BIBLIOGRAPHY—BEST BOOKS**
New books. Agitator 35 no. 10:64 My '67.
New books. Agitator 35 no. 11:64 Je '67.
- BIBLIOGRAPHY—BIBLIOGRAPHY** see subdivision under Ukinine
- BIBLIOGRAPHY—BIOLOGY**
[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bul nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 2 8 nos. 4-36 F-D '65; 10 nos. 3, 17-21 Ja, Je-Jl '67.
New books. Nauch. dokl. vys. shkoly: biol. nauk 10 no. 4:150-160 '67.
[New foreign books, Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. II no. 6 Je '67.
- BIBLIOGRAPHY—BULGARIA**
[New literature on Bulgaria] Nov. lit. po Bolg. no. 5 '67.
- BIBLIOGRAPHY—CHEMISTRY**
[Chemical information; classified index of articles in foreign periodicals] Khim. inform. i sist. uk. st. v inostr. zhui. no. 5 Je '67.
Chemistry everywhere. D. Rozen. V mire knig 7 no. 2:12-13 '67.
- BIBLIOGRAPHY—COMMUNISM**
Documents and articles on the history of the CPSU and international communist and labor movement published in April 1967 in periodicals and scholarly serials. Vop. ist. KPSS II no. 6:129-132 Je '67.
New books. Part. zhizn' no. 11:70 Je '67.
- BIBLIOGRAPHY—COMMUNIST ETHICS**
Gosudarstvennaia biblioteka SSSR imeni V. I. Lenina.
[Ethics of the builders of communism, a list of recommended literature] Moral' stroitel'tei kommunizma, rekomendatsii i ukazatel' literatury. Moskva, Kniga, 1964. 78 p.
- BIBLIOGRAPHY—COMMUNIST PARTIES**
Articles on the history of communist parties published in foreign periodicals. Vop. ist. KPSS II no. 6:127-129 Je '67.
- BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION**
Documents and articles on the history of the CPSU and international communist and labor movement published in April 1967 in periodicals and scholarly serials. Vop. ist. KPSS II no. 6:129-132 Je '67.
New books. Part. zhizn' no. 10:60 My '67.
- BIBLIOGRAPHY—DYSPEPSIA**
[Dyspepsia in young animals; a bibliographic list of Soviet literature comprising 311 items and foreign literature comprising 20 items for 1960-1968] Dispepsiia molodnikov; bibliograficheskiy spisok otechestvennoi literatury v kollektive 28 razvanni i i inostrannoi literatury v kollektive 28 razvanni za 1960-1968 gg. Moskva, 1966. 50 p.
- BIBLIOGRAPHY—ECONOMICS**
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezh-dunar. otn. 10 no. 6 Je '67.
[New foreign economic literature] Nov. inostr. ekon. lit. no. 5 '67.
[New Soviet economic literature] Nov. sov. ekon. lit. no. 4 '67.
- BIBLIOGRAPHY—EDUCATION**
[Literature on the pedagogical sciences and public education] Lit. po ped. naukam i nar. obr. no. 2 '67.
- BIBLIOGRAPHY—ETHNOLOGY**
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 5 '67.
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 4-5 '67.
- BIBLIOGRAPHY—EUROPE—ECONOMIC CONDITIONS**
East German, Polish, and Czechoslovak studies devoted to the problem of industrial revolution. L. G. Mel'nik. Vop. ist. 42 no. 5:176-182 My '67.
- BIBLIOGRAPHY—FIRST EDITIONS**
Kushlanina, L. I. [Types of first editions and unpublished materials. Sources and methods of a library collection compilation] Vidy pervichnykh publikatsii i neopublikovannykh materialov. Istochniki i metodika komp'ektirovaniia fonda. Moskva, 1967. 23 p. diagr. (Insert) (Organizatsiia i ispol'zovanie spravocno-informatsionnykh fondov, lektsii)
- BIBLIOGRAPHY—FISHERIES**
Bibliography. Ryb. khoz. 43 no. 1:90-93 '67.
Literature on fishing crews. Ryb. khoz. 43 no. 5:86-89 '67.
- BIBLIOGRAPHY—GENETICS**
Bibliography of foreign literature on genetics (January 1967). Genetika no. 5:171-180 My '67.
- BIBLIOGRAPHY—GERMANY, EAST**
[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no. 5 '67.
- BIBLIOGRAPHY—HISTORY**
Foreign reviews of Soviet historical studies. Vop. ist. 42 no. 5:198-200 My '67.
Historical articles published in Soviet periodicals. Vop. ist. 42 no. 5:162-166 My '67.
Historical articles published in the periodicals of socialist countries. Vop. ist. 42 no. 5:185-186 My '67.
New books. Vop. ist. 42 no. 5:160-161 My '67.
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezh-dunar. otn. 10 no. 6 Je '67.
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 5 '67.
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 4-5 '67.
- BIBLIOGRAPHY—HUNGARY**
[New literature on Hungary] Nov. lit. po Veng. no. 5 '67.
- BIBLIOGRAPHY—INTERNATIONAL RELATIONS**
Egorov, V. N., comp. [A short bibliographic handbook, 1964-1968] Kratkiy bibliograficheskiy spravochnik, 1964-1968. Moskva, IMO, 1967. 47 p. (Lektoru-mezhdunarodniku, propagandistu, agitatoru)
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezh-dunar. otn. 10 no. 6 Je '67.
- BIBLIOGRAPHY—LANGUAGE AND LANGUAGES**
[New foreign literature on linguistics] Nov. inostr. lit. po laz. no. 5 '67.
[New Soviet literature on linguistics] Nov. sov. lit. po laz. no. 5 '67.
Soviet linguistics for forty years. G. V. Trofim. Trudy Irk un. 26 3-18 '68.
- BIBLIOGRAPHY—LITERATURE**
[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 3 8 nos. 4-33, 35-36 F-D '65; 10 nos. 3, 17-21 Ja, Je-Jl '67.
- BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM**
[New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 5 '67.
[New Soviet literature on the study of literature] Nov. sov. lit. po lit. no. 5 '67.
- BIBLIOGRAPHY—LITHUANIAN LITERATURE**
[Soviet Lithuanian literature and criticism, 1961-1965; a bibliographic index] Tarybine lietuviu literatūra ir kritika 1961-1965, bibliografinė rodyklė. Vilnius, 1967. 333 p. [In Lithuanian]
- BIBLIOGRAPHY—LUNAR PROBES**
New meetings with the moon. V mire knig 7 no. 2:116 '67.
- BIBLIOGRAPHY—MACHINE TRANSLATING**
Mel'chuk, I. A., and R. D. Ravich. [Machine translation, 1949-1963; a critical and bibliographic handbook] Avtomaticheskii perevod, 1949-1963, kritiko-bibliograficheskiy spravochnik. Pod red. G. S. Tsveiga i E. K. Kuzne-isova. Moskva, 1967. 515 p.
- BIBLIOGRAPHY—MAGADAN PROVINCE**
Zlatina, N. S. [What to read about Magadan Province; index of recommended literature] Chto chitat' o Magadanskoi oblasti; rekomendatsii i ukazatel' literatury. (Magadan) Magadanskoe knizhnoe izd-vo, 1966. 191 p.
- BIBLIOGRAPHY—MANUAL TRAINING**
Dissertations in manual and industrial training. N. A. Rut. Shkola i protiv. II no. 5:53-62 My '67.
- BIBLIOGRAPHY—MEDICAL PARASITOLOGY**
Soviet literature on problems of medical parasitology and parasitic diseases in 1966. N. N. Dukhnin. Med. parazit. i parazit. bol. 36 no. 2:243-247 Mr-Apr '67.
Soviet literature on problems of medical parasitology and parasitic diseases published during 1966. N. N. Dukhnin. Med. parazit. i parazit. bol. 36 no. 3:353-367 My-Je '67.
- BIBLIOGRAPHY—MEDICINE**
[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bul. nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 2 8 nos. 4-36 F-D '65; 10 nos. 3, 17-21 Ja, Je-Jl '67.
[New foreign books, Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. II no. 6 Je '67.
- BIBLIOGRAPHY—METEOROLOGY**
Literature on meteorology and hydrology in 1966. Meteor. i gidrol. no. 4:112-116 Ap '67.
- BIBLIOGRAPHY—MINERALS IN FOOD**
[Trace elements and the feeding of farm animals] Mikro-elementy v kormlenii sel'skokhoziaistvennykh zhivotnykh. Moskva, 1964. 19 p.
- BIBLIOGRAPHY—MOLDAVIA**
[Chronicle of the publications of the Moldavian S. S. R.] Lei. pech. Mold. SSR no. 3:11-8 '66, publ. '67.
- BIBLIOGRAPHY—PHARMACY**
Essential literature on pharmacy published in 1966. A. M. Firkin. Farmatsiia 16 no. 2:83-91 Mr-Apr '67.
- BIBLIOGRAPHY—PHILOSOPHY**
Articles published in the philosophical periodicals of socialist countries. Vop. filos. 21 no. 5:176-177 '67.
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezh-dunar. otn. 10 no. 6 Je '67.
[New foreign literature on philosophy] Nov. inostr. lit. po filos. no. 5 '67.
New philosophical studies. Vop. filos. 21 no. 5:178-181 '67.
[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 5 '67.
- BIBLIOGRAPHY—POLAND**
[New literature on Poland] Nov. lit. po Pol'. no. 5 '67.
- BIBLIOGRAPHY—PSYCHOLOGY**
New books on psychology. Vop. psikhol. 13 no. 2:184-186 Mr-Apr '67.
- BIBLIOGRAPHY—PSYCHOLOGY, MILITARY**
New publications on military psychology. Komm. Vooruzh. Sil 48 no. 9:91-92 My '67.
- BIBLIOGRAPHY—RELIGION**
[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. ateiz. i rel. no. 5 '67.
- BIBLIOGRAPHY—ROMANIA**
[New literature on Romania] Nov. lit. po Rum. no. 5 '67.

BIBLIOGRAPHY—RUSSIA—HISTORY

Russk. (U.S.S.R.) Tsentral'nyi gosudarstvennyi istoricheskii arkhiv v Leningrade [Documents of the Central State Historical Archives of the U.S.S.R. on works of Soviet researchers; a bibliographic index] Dokumenty TsGIA SSSR v rabotakh sovetskikh issledovatelei; bibliograficheski ukazatel'. Leningrad, No. 2. [Books, articles, and publications in Russian, 1958-1962] Knigi, stat'i i publikatsii na russkom yazye, 1958-1962 gg. 1966. 326 p.

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. biul. nov. inostr. kniz. poskup. v Bibl. im. V. I. Len. Ser. 1 10 nos. 19-34, 35 Ji-D '65, 12 nos. 3, 17-21 Ja, Je-Ji '67.

[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology, physical geography] Nov. knigi za rub. Ser. A 20 no. 6 Je '67.

BIBLIOGRAPHY—SHISHKIN, BORIS KONSTANTINO-VICH, 1886-1965

Additional list of publications of Professor Boris Konstantinovich Shishkin, member-correspondent of the Academy of Sciences of the U.S.S.R. E. G. Pobeditel'. Bui. MOIP. Otd. biol. 72 no. 2:135-138 Mi-Apr '67.

BIBLIOGRAPHY—SLAVIC STUDIES

Books on the present-day situation, history, culture, and languages of the Slavic peoples in foreign countries published in 1966 in the U.S.S.R. Sov. slav. no. 3:100-104 My-Je '67.

The most significant articles and materials on the present-day situation, history, culture, and languages of the Slavic peoples in foreign countries published in Soviet periodicals in late 1966 and early 1967. Sov. slav. no. 3:104-107 My-Je '67.

Slavic studies published in foreign periodicals. Sov. slav. no. 3:107-111 My-Je '67.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. kniz. poskup. v Bibl. im. V. I. Len. Ser. 3 8 nos. 4-33, 35-36 F-D '65; 10 nos. 3, 17-21 Ja, Je-Ji '67.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 1:164-175 Ap '67.

Bibliography. Pochvovedenie no. 5:157-168 My '67.

BIBLIOGRAPHY—TEACHING

Dissertations in manual and industrial training. N. A. Rut. Shkola i proizv. II no. 5:53-62 My '67.

BIBLIOGRAPHY—TECHNOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. biul. nov. inostr. kniz. poskup. v Bibl. im. V. I. Len. Ser. 1 10 nos. 19-34, 35 Ji-D '65, 12 nos. 3, 17-21 Ja, Je-Ji '67.

[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. II no. 6 Je '67.

BIBLIOGRAPHY—TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

[Trace elements and the feeding of farm animals] Mikroelementy v kormlenii sel'skokhoziaistvennykh zhivotnykh. Moskva, 1964. 18 p.

BIBLIOGRAPHY—UKRAINE

Ukraine. Knyzhkova palata. [A book about books, 1917-1955; a bibliographic index. A bibliography of bibliography. Technology, industry, transportation, and municipal services] Knyha pro knyhy, 1917-1955; bibliografichnyi pokazhchyk. Bibliografika bibliografii. Tekhnika, promyslovist', transport, komunal'ne hospodarstvo. Kharkiv, Red.-vydavnychiy vidid knyzhkovoi palaty URSR, 1964. 245 p. (MII)

BIBLIOGRAPHY—UKRAINE—PERIODICALS

[Periodical publications of the Ukrainian S.S.R.; magazines. A bibliographic handbook] Periodychni vydannia URSR, 1951-1960; zhurnaly. Bibliografichnyi dovidnyk. Kharkiv, 1964. 180 p. Kharkiv, Redaktsionno-vydavnychiy vidid Knzhkovoi palaty URSR, 1964. 180 p.

BIBLIOGRAPHY—VETERINARY MEDICINE

[Dyspepsia in young animals; a bibliographic list of Soviet literature comprising 311 items and foreign literature comprising 26 items for 1960-1963] Dispepsia molodnaka, bibliograficheski spisok otechestvennoi literatury v kolichestvo 311 nazvani i inostrannoi literatury v kolichestvo 26 razvani za 1960-1963 gg. Moskva, 1965. 50 p.

BIBLIOGRAPHY—VOCATIONAL EDUCATION

Bibliography. Prof.-tekhn. obr. 23 no. 10:27 O '66.

BIBLIOGRAPHY—WHITE RUSSIA—NATURAL HISTORY

[Soviet books on White Russia, bibliography, 1946-1963] Sovetskaya kniha pra Belarus', bibliografiya, 1946-1963. Minsk, Knizhnaia palata BSSR, Pt. 2. [Nature] Priroda, 1965, 125 p.

BIBLIOGRAPHY—YUGOSLAVIA

[New literature on Yugoslavia] Nov. lit. po YUg. no. 5 '67.

BICYCLES AND TRICYCLES—TESTING

Stability of unguided and guided bicycle and motorcycle. IU. I. Neimark, N. A. Pufayev. Mekh. tver. tela no. 2:12-24 Mr-Apr '67.

BICYCLIC COMPOUNDS

1-Phenylbicyclo [0,1,p] alkanes. IU. S. Shabarov and others. Vest. Mosk. un. Ser. 2 Khim. 22 no. 2:79-83 Mi-Apr '67.

BICYCLOHEPTADIENE

Preparation of bicyclo[2,2,1] hepta-2,5-diene by condensation of cyclopentadiene with acetylene without use of stabilizer. M. A. Prismanikova and others. Izv. AN SSSR, Ser. khim. no. 5:1127-1129 My '67.

BICYCLOHEXENE

Synthesis and thermal transformations of bicyclo[3,1,0]-2-hexene and bicyclo[4,1,0]-3-heptene. V. A. Mironov and others. Izv. AN SSSR, Ser. khim. no. 4:916-918 Ap '67.

BIDENS

Diagnostic characteristics of Bidens bipartita L. raw material. L. P. Kaz'mina. Farmatsia 16 no. 2:27-33 Mi-Apr '67.

BIG BUSINESS see subdivision under Europe, Western

BIL'CHE-VOLITSIA GAS FIELD—INDUSTRIAL WASTES

Possibilities of discharging industrial waters into Upper Cretaceous productive horizon in Ugerak and Bil'che-Volitsa gas fields. R. I. Giner and others. Gaz. delo no. 4:23-27 '67.

BIL'CHE-VOLITSIA GAS FIELD—WATER, UNDERGROUND

Movement of bottom water in Upper Cretaceous pools of Ugerak and Bil'che-Volitsa gas fields, and character of water drive system. E. V. Suletskii and others. Gaz. delo no. 3:19-26 '67.

BILE

Effects of quateron on the secretion and chemism of bile. G. A. Burnazian, E. S. Sekolan. Zhur. eksp. i klin. 7 no. 2:10-16 '67.

BILE DUCTS

Hazards of injuring accessory bile ducts during cholecystectomy. L. N. Glikhlik, E. M. Dorovyi, V. M. Bas. Vest. khim. 98 no. 4:122-124 Ap '67.

BILE SALTS—PHYSIOLOGICAL EFFECT

Effect of bile salts on the growth of some bacteria of the intestinal group. Z. Z. Sultanov. Zhur. mikrobiol., epid. i immun. 44 no. 6:313 Jo '67.

BILIARY TRACT

External draining of the biliary tract following papillotomy. B. I. A. Gausman. Vest. khim. 98 no. 4:52-54 Ap '67.

BILIARY TRACT—ABNORMALITIES AND DEFORMITIES

Significance of roentgenomanometry in the diagnosis of anomalies of extrahepatic bile ducts. I. I. Gabel. Vest. khim. 98 no. 4:38-41 Ap '67.

BILIARY TRACT—DISEASES

Diagnostic significance of X-ray contrast examinations in pathology of the biliary tract in the light of clinical and roentgenological comparisons. B. M. Makhmudov, M. M. Tagieva. Azorb. mod. zhur. 44 no. 1:14-19 Ja '67.

Effectiveness of treating chronic diseases of the biliary tract and liver with sulfide baths. E. A. Gubergit. Vop. kur., fizioter. i lech. fiz. kul't. 32 no. 2:172-174 Mr-Apr '67.

BILIARY TRACT—HYDATIDS

Rupture of hydatid and alveolar echinococcus into the biliary tract. V. V. Boichuk. IU. M. Dederer, N. P. Krylova. Vest. khim. 98 no. 4:54-58 Ap '67.

BILIARY TRACT—INFLAMMATION

Use of tetracycline in combination with glucosamine in inflammatory processes of the biliary tract. V. R. Sobolev and others. Antibiotiki 12 no. 5:436-438 My '67.

BINDING ENERGY

Measuring the binding energy in two-layer ferromagnetic films. IU. F. Golovnev and others. Izv. AN SSSR, Ser. fiz. 31 no. 5:778-782 My '67.

BINDING MATERIALS

Analytic estimate of components of ethyl silicate binders. A. I. Gurenkov. Lit. proizv. no. 5:42 My '67.

BIOCHEMISTRY

Clinical aspects and some cytochemical examinations in favism. R. B. Dzavadov and others. Azerb. med. zhur. 44 no. 1:34-44 Ja '67.

Corticovisceral biochemistry as one of steps in further developing physiology and pathology of corticovisceral relationships. I. T. Kurtsin, V. K. Bolondinskii. Usp. sovr. biol. 63 no. 2:184-201 Mr-Apr '67.

Effect of a physiologically active substance excreted by frog heart under the influence of adrenalin on the sensitivity of adrenoceptors of the myocardium. T. G. Pulintseva. Fiziol. zhur. 53 no. 5:550-556 My '67.

Some problems of biochemical characteristics of different stages of coronary atherosclerosis. L. D. Rachinskii. Kardiologia 7 no. 3:123-125 Mr '67.

BIOCHEMISTRY—CONGRESSES

Review of world biochemical science, V. A. Engel'gardt. Usp. sovr. biol. 52 no. 3:364-371 N-D '61.

BIOGRAPHY (AS A LITERARY FORM)

Russian memorialistic and autobiographical literature of the 18th century and A. I. Ietren. G. G. Elizavetina. Izv. AN SSSR, Ser. lit. i iz. 26 no. 1:40-51 Ja-F '67.

BIOLOGICAL RESEARCH

(see also subdivision under Ukraine; White Russia)

Once more about the use of statistical methods in the analysis of results of biological research. B. S. Gubovskii. Med. parazit. i parazit. bol. 36 no. 2:232-234 Mi-Apr '67.

BIOLOGICAL TRANSPORT

Transport of glucose into erythrocytes. A. S. Oganessian, Ch. S. Chishmarlian, Zh. S. Gevorgian. Zhur. eksp. i klin. med. 7 no. 1:3-7 '67.

BIOLOGY

Ahlenda. Bui. MOIP. Otd. biol. 72 no. 2:149-157 Mr-Apr '67.

Basic trends of the development of biology in the U.S.S.R. S. R. Mikulinskii. Priroda no. 4:11-19 Ap '67.

International Biological Program. B. E. Bykhovskii, A. O. Bannikov. Priroda no. 5:31-41 My '67.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLUMINESCENCE

Free radical processes in cell organelles of irradiated animals. IU. P. Kozlov, V. S. Danilov, A. S. Arkhipov. Nauch. dokl. vys. shkoly. biol. nauk 10 no. 4:64-68 '67.

BIONES

Labutin, V. K., and A. P. Molchanov. [Hearing and the analysis of signals] Slukh i analiz signalov. Moskva, Energiya, 1967. 78 p. (Massovaya radiobiblioteka, no. 638)

[Theoretical problems of bionics] Teoreticheskie voprosy bioniki. Tbilisi, Metsnereba, 1966. 156 p.

BIOPHYSICS

Biophysical method in geology. V. S. Maiveev. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:76-84 My-Je '67.

Problem of the nature of life and the biophysical aspects of its interpretation. N. T. Kosiuk. Filos. probl. such. prirod. no. 6:85-97 '66.

BIOPHYSICS—CONGRESSES

2d International Biophysical Congress in Vienna. Z. O. Sorokina. Fiziol. zhur. [Ukr.] 13 no. 3:426-129 My-Je '67.

BIOSYNTHESIS

Antihypertensive effect of cofactors of synthesis and precursors of nucleic acids in experimental salt hypertension. F. Z. Meerzon, K. N. Bykovskaya. Kardiologia 7 no. 3:31-34 Mr '67.

Effect of some barbiturates on biosynthesis of pyrimidines in vitro. S. R. Mardashev, A. B. Fitner. Vop. med. khim. 13 no. 3:303-307 My-Je '67.

Significance of pH during the process of penicillin biosynthesis. L. M. Lur'e, M. M. Levitov. Antibiotiki 12 no. 5:395-400 My '67.

Study of the synthesis of cholesterol from 2-C¹⁴-acetate and distribution of 4-C¹⁴-cholesterol in rats in experimental insomnia. A. A. Pokrovskii, V. F. Markelova, I. S. Shaternikova. Kardiologia 7 no. 3:79-82 Mr '67.

BIOTIC COMMUNITIES

Biogeocenology and soil science. N. V. Timofeev-Resovskii, A. N. Tjurukanov. Bui. MOIP. Otd. biol. 72 no. 2:106-117 Mr-Apr '67.

Khranov, A. A. [In the realm of interrelationships; biogeocenosis as a natural complex] V mire vzaimosvyezoi biogeotsenoz—prirodnyi kompleks. Novosibirsk, Nauka, 1967. 73 p.

Problems of biogeocenology. A. G. Voronov. Priroda no. 5:67-70 My '67.

Standard regulation on issuing bonuses to workers of in-
dustrial enterprises which are being changed over to the
system of planning and economic stimulation of
production. Kazakh 25 no 4 92-95 Ap '67
Year of scientific experiments. N Vol'ov. Nar. Khoz.
Kazakh 25 no 4 12-23 Ap '67

BOOK PLATES

Book plates. I S Kishkin. Priroda no 5 127-
128 M '67

BOOKS

(see also subdivision under Latvia)

Books for sale. V mire knig 7 no 2 46-47 '67

Books for sale. V mire knig no 3 46-47 '67

BOOKS—COLLECTION AND PRESERVATION

"Pamyat' A. Berman. V mire knig no 3-45 '67

BOOKS—PSYCHOLOGY

What is biological psychology? N Rubakin. V
mire knig no 3 39 '67

BOOKS—REVIEWS

[Chronicle of reviews] Let. rev. no 2 '67.

The opinions of our readers. V mire knig 7 no 2 18
'67

So that we may know. V mire knig 7 no 2-24 '67

Your bookshelf. V mire knig 7 no 2 6-7 '67.

BOOKS AND READING

Flame of our memory. P Nikol'skii. V mire knig 7
no 2 2-4 '67.

From the editor's mailbox. Agitator no 24-49-51 D '61.

Light-houses. I Il'inski. V mire knig no 3 42-43 '67.

Readers write about books. V mire knig no 3 38 '67.

Riches near at hand. M Kleven'skii. V mire knig 7
no 2 39-40 '67

So that we may know. V mire knig no 3-24 '67

BOOLEAN FUNCTIONS

Automatic minimization of two-valued Boolean functions.
V. V. Vol'va. Atom. i telet. no 5 80-85 My '67

Estimating the complexity of a function. A A Sapozhenko
Disk. anal. no 9 67-72 '67

Number of classes of functions in algebra of logic. A. A.
Sapozhenko. Disk. anal. no 9-99-86 '67

BOOTS AND SHOES

Basis for the thickness limits of the parts of a shoe
lower. M M Bernshteyn. Kozh.-obuv. prom. 9 no 4:
22-24 Ap '67

More attention to the design of shoes from artificial
leather. S V Tumashova. V. G. Gordeeva. Kozh.-
obuv. prom. 9 no 4 24-27 Ap '67

BOOTS AND SHOES—DRYING

Intensification of the primary drying of shoes. L. I.
Adigezalov. A S Shkarts. Kozh.-obuv. prom. 9 no 3
22-24 Mr '67.

BOOTS AND SHOES—MATERIALS

Study of the thermophysical properties of shoe ma-
terials by the method of an instantaneous heat source.
V A Smirnov. Izv. v.ys. ucheb. zav. i tekhn. leg. prom.
no 2 99-106 '67.

BOOTS AND SHOES—MODELS

Pay more attention to the organization of the work of
shoemakers. N B Tarshis. Kozh.-obuv. prom. 9
no 3 11-12 Mr '67.

BOOTS AND SHOES—TESTING

Unit for testing the wear resistance of shoes under
dynamic conditions. I U A Zhukov. Kozh.-obuv. prom.
9 no 3 17-19 Mr '67.

BOOTS AND SHOES, FELT

Use of capron fibers in the production of felt footwear.
D M Kofman, M I Shk'is. Izv. v.ys. ucheb. zav. i tekhn.
leg. prom. no 2 107-111 '67

BORATES

Inhibiting effect of borates on three-phase reaction of
hydrolysis by a-chymotrypsin of nonspecific sub-
strates. I V Berezin and others. Mol. biol. 1 no 1,
67-74 Ja-F '67

Relationship between borates and imidazole group of
histidine residue in active a-chymotrypsin center. I V
Berezin and others. Mol. biol. 1 no 3 425-435 My-Je
'67

BORDETTELLA

Study of the antigenic fraction of the pertussis microbe
and its role in the formation of antipertussis immunity.
Report No 1. A I Belkina and others. Trudy Mosk.
nauch.-issl. inst. vak. 18 112-122 '61

BORERS (INSECTS)

Biology of the alfalfa borer *Sphenoptera montana*.
E. Pykhin. Vest. sel'khoz. nauk. [Kazakh] 10 no 5:
97-99 My '67

BORESKOV, GEORGI KONSTANTINOVICH, 1907-

G. K. Borekov, on his sixtieth birthday. Izv. AN SSSR, Ser.
khim. no 5 971 My '67.

Georgii Konstantinovich Borekov, on his sixtieth birth-
day. Khim. i tekhn. 8 no 2 470-470 Mh-Ap '67

BORIC ACID

Mechanism of action of boric acid on liquid-phase oxida-
tion of alkanes. F. I. Novak and others. Neftekhimiya
7 no 2 248-253 Mh-Ap '67

BORINE

Displacement of hexenes from triisobutylboranes. P. A.
Timofeeva, G A Lutsenko, N I Shuklin. Izv. AN SSSR
Ser. khim. no 5 1152-1151 My '67

Molecular structure of borine hydrate crystals. V. I.
Andrianov and others. Zhur. strukt. khim. 8 no 2
303-308 Mr-Ap '67

BORING

Cleaning boreholes of drilling mud. N. G. Petrov.
Bezop. truda v prom. 9 no 12-16 D '65.

Determining indices of potassium salt drillability as in-
vestigated in mines. V. Z. Davat'ev, A. M. Trigonov,
D. M. Svatchinyl. Nauch. trudy Perm. in-ta no 7:
230-244 '64.

Efficient method for drilling boreholes in deep prospecting.
E. S. Bubnov, A. A. Poissonov. Razved. i okh. nedr. 11
no 5-26-33 My '67.

Forced drilling of exploratory boreholes. V. A. Pirokoffev,
V. A. Karolinskii, V. N. Lebedev. Razved. i okh. nedr. 11
no 5 33-38 My '67.

Lowering dust formation during roller bit drilling. N. M.
Trigubov. Bezop. truda v prom. 9 no 12-16-16
D '65.

Regulating the boring process for a maximum productivity.
pei bit. I. P. Petrov, N. B. Sitnikov. Izv. v.ys. ucheb.
zav. i tekhn. leg. prom. 10 no 1 125-129 '67

Semiautomatic elevator "Vorkutinsk 50." V. A. Kurnet-
sov, E. I. Khuts. Bezop. truda v prom. 9 no 12-30-
31 D '65.

BORING MACHINERY

Characteristics of dust collecting on boring rigs in open-
pit mining operations. I U. V. Gull'. Zap. IGI 50 no 1
75-78 '65

Necessary speed of airflow for roller bit borehole drill-
ing in open-pit mines with air-blow scavenging. V. A.
Pall'gov. Izv. v.ys. ucheb. zav. i tekhn. leg. prom. 10 no 1 67-
91 '67

Wear of 10Kh-11 and steel drill pipes operating in granite.
N. A. Okhupkina. Izv. v.ys. ucheb. zav. i tekhn. leg. prom. 10
no 3 76-79 '67.

BORING MACHINERY—DESIGN AND CONSTRUCTION

Determining optimum power parameters for machines
of rotary-percussion action for drilling blastholes.
I. F. Medvedev, A. I. Pullaev, A. I. Burdlin. 11. i. tekhn.
probl. razrab. pol. iskop. no 1 77-80 Ja-F '67.

Performance of P-25 drill bits at Olonegorsk Mine. V. I.
Shvedov, V. P. Sukhovitsyn. Nauch. trudy Mosk. in-ta
radioelek. i gor. elektromekhn. no 51-00-101 '65.

Safokhin, M. S., and others. [BGA-2 drilling rig] Bur. o-
wot stanok BGA-2. Moskva, Nedra, 1966. 67 p.

BORING MACHINERY—SAFETY APPLIANCES

Designing the body and the cover of a universal preventer.
M. A. Garibov and others. Za tekhn. prog. 7 no 4 20-24
Ap '67.

BORING MACHINERY—VIBRATION

Determination of the vibration parameters of a three-
cone rock bit in the boring of wells. R. M. Mirsalimov,
S. K. Kerimzade. Za tekhn. prog. 7 no 2-26-28 F '67.

BORINGS see subdivision under Tormosin region
(Volgograd Province)

BORISOV (WHITE RUSSIA)—INDUSTRIAL MANAGE- MENT

City on the Berezina River. G. G. Fishov. Prom. Bel.
10 no 6:39-40 Je '67.

BORISOVA, TAT'IANA

"...I know happiness, I have seen the sky!" R. Kriukov.
Kryl. rod. 18 no 5 17 My '67.

BORON—EFFECT ON PLANTS see Plants, Effect of boron on

BORON COMPOUNDS

Coordination bonds in boropolystyrenes. V. O. Belkha-
fel'd, D. A. Khankhodzhnava, Zhur. ob. khim. 37 no 1:
915-917 Ap '67.

BORON FLUORIDE

Interaction of BF₃ with molecular nitrogen. I U. G.
Borod'ko, A. E. Krylova, Zhur. strukt. khim. 8 no 2
248-251 Mr-Ap '67.

BORON HYDRIDES

Synthesis of polyphosphinoborane with siloxane bonding
links. V. A. Zamiatina, A. I. Solomatina, V. V. Korshak.
Izv. AN SSSR. Neorg. mat. 3 no 5 891-893 My '67.

BORON-IRON ALLOYS see Iron-boron alloys

BORON ORGANIC COMPOUNDS see Organoboron compounds

BORON OXIDES—MOLECULAR ROTATION

Analysis of rotational structure of 3577 Å band of BO^+ ion. D. I. Katshev, A. A. Maltsev. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2 23-27 Mr.-Ap '67

BORON OXIDES—SOLUBILITY

Density of B_2O_3 solutions and the determination of solubility in the system $\text{MgO}-\text{B}_2\text{O}_3-\text{H}_2\text{O}$ at high temperatures. A. P. Grigor'ev, A. V. Nikolaev. Dokl. AN SSSR 174 no. 1 93-95 My '67

BORON PHOSPHIDE

First steps of the transport reaction of boron phosphide with iodine. I. A. Kh. Grinberg. Izv. AN SSSR. Neorg. mat. 3 no. 5:797-801 My '67.

BORON STEEL—ANALYSES

Effect of titanium on the phase composition and deformability of high-boron steels. R. V. Grebennikov and others. Atom. energ. 22 no. 5:384-389 My '67.

BOROVSK DISTRICT—INSURANCE, SOCIAL—ACCOUNTING

But there was enough strength... V. Lebedev. Sois. obesp. 42 no. 4:19 Ap '67.

BOTANICAL RESEARCH see subdivision under Ukraine

BOTANICAL SOCIETIES see subdivision under Ukraine

BOTANY see subdivision under Kieich Peninsula, Nakhichevan' A. S. S. R., Tbilisi region, Ukraine; Volga Valley

BOTANY—ANATOMY

Anatomical study of the genus *Thymus* L. L. M. Aloeva. Soob. AN Gruz. SSR 46 no. 2:439-446 My '67

Study of the anatomical structure of *Galium tauricum*. M. F. Borisov. Farmatsev. zhur. 22 no. 2 62-65 '67.

BOTANY—EMBRYOLOGY

Embryological study of *Scopolia lurida* Dunn grown in Kiev. H. I. Ilushchenko. Ukr. bot. zhur. 24 no. 3:26-32 My-Je '67.

Embryology of *Cosopterygium gmelinii* (DC) Ldb. IE, L. Kordium. Ukr. bot. zhur. 24 no. 2:24-32 Mr.-Ap '67.

Embryology of *Hippomarathrum caspium* (D. C.) Grossh. (family Umbelliferae) IE, L. Kordium. Ukr. bot. zhur. 24 no. 3:33-40 My-Je '67

BOTANY—VARIATION

Conception of seasonal R. Wettstein - N. V. Tsinger races in relation to intraspecific phenological polymorphism problem. N. S. Rostova. Bot. zhur. 52 no. 5. 704-715 My '67.

Discovery of a natural autoanthelmintic system. G. N. Vinkler, G. I. Smyslova. Genetika no. 5:52-56 My '67.

BOTANY, ECONOMIC see subdivision under Moldavia

BOTHYNODERES—BIOLOGICAL CONTROL

Fertility of the sugar beet beetle (*Bothynoderes punctiventris* Germ.) infected with the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuille, G. N. Zhigayev. Zashch. rast. [Kiev] no. 4:128-130 '67.

BOTSWANA—DIAMOND MINES AND MINING

The price of Mrs. Angelhard's diamonds. M. Zenovitch. Afr. seg. 10 no. 6:34-37 Je '67.

BOTULISM

Immunity to botulism in humans. K. M. Alanian. Zhur. mikrobiol., eplid. i immun. 44 no. 6:62-65 Je '67.

BOUNDARY LAYER

Installing cooling due to the injection of a foreign substance into a turbulent boundary layer. E. P. Volchikov and others. PMTF no. 2:103-106 Mr.-Ap '67

Numerical solution of the problem involving a boundary layer on a nonconducting surface of a magnetohydrodynamic channel. L. F. Lobanova. Izv. AN SSSR. Mekh. i fiz. gaza no. 2:3-7 Mr.-Ap '67.

Three-dimensional laminar boundary layer on the line of flow in conical external fluid motion in the presence or absence of sucking or injection of a homogeneous gas. V. A. Bashkin. PMTF no. 2:97-103 Mr.-Ap '67

Turbulent magnetohydrodynamic boundary layer in a compressible fluid. I. P. Ginzburg, L. I. Skarin. Mag. gl'er no. 1:77-86 '67.

BRACHIOPODA, FOSSIL

(see also subdivision under Samara Bend)

Detailed division of Famennian sediments in Volgograd Province. V. I. Shevchenko. Trudy VNIIG no. 3 1-8 '65.

BRACHIOPODA, FOSSIL—CLASSIFICATION

Taxonomic status of some generic names of the Jurassic terebratulids. V. N. Ovcharenko. Dokl. AN Tadzh. SSR 10 no. 2 27-30 '67.

BRAIN

Comparative study of eviero- and interoceptive effect on gamma aminobutyric acid content in cerebral hemispheres. U. I. Malashuk. Vest. AN BSSR. Ser. biol. i med. 2 76-79 '67

Pro lapse of cerebral substance in charring of a cadaver I. G. Kalchev, M. I. Chomakov. Sud. med. eksp. 10 no. 2 46-47 Ap-Je '67

Sensitivity of cerebral structures to endogenic serum pyrogen. I. S. Replin, M. D. Khudalberdiev. Pat. fiziol. i eksp. terap. 11 no. 1 43-48 Ja-F '67.

Sergeev, B. F. [Biography of the intellect]. Biografiya. Intellektika, Moskva, Znanie, 1967, 48 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya. Biologiya, 6)

Significance of stress of the function of the central nervous system in the development of experimental cholesterol atherosclerosis in dogs. A. N. Fedoseev. Pat. fiziol. i eksp. terap. 11 no. 1:35-38 Ja-F '67.

Simple model of a stereotaxic appliance for neurophysiological studies of the brain in cats. N. K. Saradzhev, P. S. Arct'ev. Fiziol. zhur. 53 no. 5 594-596 My '67.

Study of RNA in guinea pig brain, its fractional composition, renouation intensity and hybridization with DNA. V. P. Goncharova, A. I. Ivanov. Dokl. AN SSSR 173 no. 6:1441-1444 Ap '67

BRAIN—ABSCESS

Cerebral abscesses in congenital defects of the heart; a review of the literature. V. B. Gel'fand. Vop. neirokhir. 31 no. 2:53-55 Mr.-Ap '67.

BRAIN—BLOOD SUPPLY

Characteristics of the vascular reaction of the cerebral surface in rabbits to thermal effects. V. P. Shafranova. Blul. eksp. biol. i med. 63 no. 6 11-14 Je '67.

Effect of γ -aminobutyric acid and β -oxy- γ -aminobutyric acid on brain blood circulation and electroencephalogram under normal and spasmodic conditions. V. P. Akopian, I. S. Gabrielyan. Dokl. AN Arm. SSR 44 no. 3 139-144 '67.

Effect of compound physalane treatment on the reactivity of the cardiovascular system in disorders of cerebral circulation. M. N. Zhit'sova. Zhur. eksp. i klin. med. 7 no. 1:69-75 '67

BRAIN—DISEASES

Case of detection of eggs of *Thymenolepis nana* (Slebold, 1852) in brain hemispheres of brown rat *Rattus norvegicus*. B. A. Asiat'ov. Med. parazit. i paraz. bol. 36 no. 3 353-354 My-Je '67.

Concerning Professor N. N. Malinovsky's article "Cause of acute cerebral disorders in rheumatic heart defects" (Sovetskaya Meditsina, 1966, No. 10). V. V. Nikheev. Sov. med. 30 no. 5:62 My '67

Experimental therapy of traumatic edema of the brain. Sh. I. Povolotskiy. Vop. neirokhir. 31 no. 2:21-24 Mr.-Ap '67.

M-agent in the brain of common field mice. V. N. Kalinkin, I. U. A. Miasnikov. Med. parazit. i paraz. bol. 36 no. 3:355-356 My-Je '67.

Mechanism of the origin of pulmonary edema under action of the preoptic area of the brain. I. A. Lazarski and others. Pat. fiziol. i eksp. terap. 11 no. 1:28-32 Ja-F '67.

Pathogenesis and compound treatment of cerebral anemia. V. A. Pukhov. Pat. fiziol. i eksp. terap. 11 no. 6:72-73 Ja-F '67

Therapy in edema or swelling of the brain, a review of the literature. B. M. Sambeian. Zhur. eksp. i klin. med. 7 no. 2 95-103 '67.

BRAIN—SURGERY

Dynamics of neurological symptoms in patients with cerebral tumors in compound treatment, surgery plus betatron retarding beam irradiation. V. I. Samoilov. Vop. neirokhir. 31 no. 2 42-46 Mr.-Ap '67.

Indications in favor of bilateral ventriculocisternostomy. E. F. Lobkova, A. P. Kutsenilova. Vop. neirokhir. 31 no. 2:30-42 Mr.-Ap '67.

BRAIN—TUMORS

Dynamics of neurological symptoms in patients with cerebral tumors in compound treatment, surgery plus betatron retarding beam irradiation. V. I. Samoilov. Vop. neirokhir. 31 no. 2 42-46 Mr.-Ap '67.

Neofornation of vessels in multiform glioblastoma. V. A. Nikol'skii, M. N. Baishtruk. Vop. neirokhir. 31 no. 2 30-33 Mr.-Ap '67.

Pathogenesis of complications in cerebral angiography in some types of neuroectodermal tumors. V. N. Kornilenko, E. M. Dovgiallo. Vop. neirokhir. 31 no. 2:14-16 Mr.-Ap '67.

BRAIN—WOUNDS AND INJURIES

Changes in cerebrospinal fluid and venous pressure in penetrating craniocerebral experimental trauma. N. M. Chebolareva, V. P. Vovk. Vop. neirokhir. 31 no. 2 25-30 Mr.-Ap '67.

Some aspects of carbohydrate metabolism of the brain in closed craniocerebral trauma. M. Sh. Promyslov, R. A. Tigranlian, N. I. Esvina. Vop. med. khim. 13 no. 3 295-299 My-Je '67

BRAINSTEM

Characteristics of the blood supply of "typical" nerve cells of some nuclei of the reticular formation of the brainstem. L. M. Bakhtova. Blul. eksp. biol. i med. 63 no. 6 113-116 Je '67.

BRAKES—DESIGN AND CONSTRUCTION

Review of designs and characteristics of friction brakes used in various branches of industry. V. N. Golovko. Trudy Giproentemash. Mekh. i avtom. delo no. 2 52-57 '64

BRAKES—TESTING

Establishing technical conditions of motor-vehicle brakes on a stand with racing rollers. V. N. Varfolomeev, N. I. A. Govaushchenko, D. A. Kaminskaya. Avt. i transp. [Kiev] no. 3 31-38 '66

BRANDY see subdivision under Moldavia

BRASSICA

Controlling the wild cabbage *Brassica campestris*. S. Kott. Zemledelie 29 no. 5 18-49 My '67

BREAD—MICROBIOLOGY

Elelski, I. K. [Microbiology of bread and pastry]. Mikrobiologiya khleba i mучnykh konditerskikh izdelii. Moskva, Pishchevaia promyshl., 1967, 101 p. (Uchebnoe posobie dlia podgotovki kadrov massovykh professii)

BREAKWATERS

New type of a floating slanting breakwater. A. A. Zavitnenko. Mor. por. i nauch. trudy no. 2:81-81 '66.

BREAKWATERS—TESTING

Laboratory studies of a movable slanting breakwater. V. A. Chebykin and others. Mor. por. i nauch. trudy no. 2 126-132 '66

BREAM

(see also subdivision under Moksha River)

Relationship between the size of pharyngeal teeth of Abram's Brama L. and body length and weight. A. I. Dushin, A. N. Serezhkina. Uch. zap. Mord. gos. un. no. 54, 204-206 '66.

BREMSSTRAHLUNG

Experimental investigation of the attenuation ratio of bremsstrahlung in steel at betatron energies from 3 to 25 Mev. I. U. V. Gromov, A. M. Iakobson. Defektoskopiia no. 2 24-28 '67

Method for designing the shielding against gamma bremsstrahlung from beta-active isotopes. V. P. Nikolaev. Geofiz. app. no. 23, 63-83 '65.

BREST, BATTLE OF, 1941

[Heroic defense; a collection of reminiscences about the defense of the Brest Fortress in June-July 1941]. Gerolchenkova oborona, stornik vospominanii ob oborone Brestskoi kreposti v iunie-i iulie 1941 g. 3. izd. [Minsk, "Delarus", 1966] 595 p. illus, facsim. (CS-II)

BREST PROVINCE—BANKS AND BANKING—MANAGEMENT

Simplify the executive officers' work. P. Kachanovskii. Den. i kred. 25 no. 4:62-63 Ap '67.

BREWING INDUSTRY

In the Committee of the Party Control attached to the Central Committee of the CPSU. Parl. zhizn' no. 11: 43 Je '67.

BRIBERY see subdivision under Germany, West; Lithuania

BRICK INDUSTRY—MANAGEMENT see subdivision under White Russia

BRICKMAKING

Mukhlina, T. G. [Production of lime brick]. Proizvodstvo silikatskogo klinkera. Izd. 2., perer. i dop. Moskva, Vysshiaia shkola, 1967, 178 p.

BRIDGE CIRCUITS

Analysis of the accuracy of double bridge circuits with rigid inductive coupling between the arms. V. P. Karpenko. Kontr. i izm. tekhn. no. 3:11-16 '66.

Analysis of the convergence of a.c. bridge circuits taking into account stray parameters. V. P. Karpenko. Kontr. i izm. tekhn. no. 3:17-21 '66.

Balancing of bridge networks with provision of a uniform scale for millimeters. Elek. sta. 38 no. 5:51-54 My '67.

Bridge for determining distance to cable insulation disruption. Kontr. i izm. tekhn. no. 3:79-82 '66

Determination of harmonic current composition in a bridge circuit with regulated rectifiers. E. A. Karpov. Teor. elektrotekh. no. 2:98-105 '66.

Experimental determination of temperature corrections for d.c. bridges. I. B. Kudel'ko. Kontr. i izm. tekhn. no. 3:74-78 '66.

1. *Abstracts of papers presented at the 1977-78 Copper-Tin Alloy Symposium, London, 1978, published by the International Union of Pure and Applied Chemistry, 1978, 317-322.*

I n s t i t u t V l a d i m i r O f t a b e l ' 44
1 9 7 7 - 8 1 6 7

He reported that he had found in the *Euproctis chrysotis* (the yellow-bellied woodpecker) in the under the effect of the *gambabacterin* N V Lappa, Zashch

It is of interest that guinea pigs in repeated revaccination with the strain 12-84 of *Brucella abortus* cultivated from the N. N. Ostrovskaya, P. I. Vashilova, Z. N. Mikhailova, and L. I. Ivanova did not 34-39

Institute or involved the activity of Brucella of different
at det : P i Vershilova I } Dianovskaja, T I
I - m u r } at mikrobiol epid immun 44 no 5
17-42 s.s. 67

St. Longbruecchii fermentation of urea labeled radio-
100% ^{14}C . R. I. R. nishov, N. N. Isamov Vest, self-
-100% ^{14}C (100%) to no. 2 108-III F 167

Infrastructure of Biocella Report No 3: Morphological
Infrastructure of the oxidation-reduction process in
cells of Biocella V V Vysotskiy E A Dianovskaya
Zhurnal neorganicheskoy i prikladnoy khimii 44 no 5 45-48 My
1977

Antigen and immunologic correlations of Brucella and
tubercular pathogens. In: Paines Zboriska obit.,
epidemiol. 44 no 5 60-62 May 67

Factors of natural protection of the body in brucellosis
By N. A. 1. Effect of accinal and infectious process
in brucellosis on the content of lysozyme in the animal
body. 2. A. G. G. 2. A. Zhur mikrobiol. i epid. i immun.
11. 11. 12. 14. 15. 17.

studying the epizootiology of brucellosis in reindeer in the Northern Taimyr Valley. I. M. Golosov, V. A. Zabri-din, M. I. Klimanov. Trudy Nauch. -issl. inst. sel'khoz. kh. im. S. S. 13:59-48, 1964.

1. R. Vest, and others. Vest sel'khoz. nauki [Kazakh]
10 no 2 78-79 F '67

Agglutination titers in brucellosis of reindeer. V. A. Zabolotny. Truly Nauch.-issl inst. sel'khoz. khain. Ser. 13 53-56 1956.

Brucellosis of reindeer in the Chukchi National Area. V.A. Isomlin. Trudy Nauch.-Issl. Inst. sel'khoz. Kraev. Sev. 13, 12-52 1960.

BRUCITE see subdivision under Tolbes region (Kemerovo Province)

SSR 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

For mass printing M Karshev Vneshtorg 17 no 4
in 37 'n7

Among people, a sketch
28-11 Je 191.

[Accuracy of determining the energy of gamma quanta in a xenon bubble chamber] O točnosti opredelenia energii, - kvantov ksenonovoi, puzyr'kovoi kamere. [By] I A Ivanovskaja i dr [Dubna, 1967] 15 p.

Marlynov, A.S. [Calibration plots in $\{\sum, R, d$ coordinates and measurement of the energy of gamma quanta in the $40 \div 4000$ Mev. range in a xenon bubble chamber] Kalibrovocnyye krtivye i koordinatnykh $\{\sum, R, d$ izmereniye energii, -kvantov i diapazon 40-4000 Mev v ksenonovoi puzyrkovoi kamere. [Dubna, 1967] 13 p.

Molisev, A. M., and V. A. Iarba. [Some methodological problems in studying $K^+p \rightarrow KN^+$ reactions at 3.5 GeV/c in the CERN 81 cm. liquid-hydrogen bubble chamber.] Nekotorye metodicheskie voprosy issledovaniia reaktsii $K^+p \rightarrow KN^+$ pri impul'se 3,5 GeV/c v 81 sm zhidkivodorodnoi puzyr'kovoi kamere TsERN' [Dubna, 1967] 35 p.

Optical system for correcting distortions caused by
cylindrical surfaces M M Rusmov, L M Kazakova
Izv vuzov tekhn. nauch. tekh. no 4 112-115 '67

A characteristic of the operation of a bubbling system subjected to vibrations A E Derzhadskii PMTF no 2 150-151 Mh-Apr '67

BUCHENWALD (CONCENTRATION CAMP)
Smirnov, I. I. [Buchenwald alarm] Buchenal'dskii nabal.
[Gor'kov, Volgo-Viatskoe kul'hince izd-vo, 1986] 211 p.
illus.
(NIC)

(see also subdivision under Kursk Province, Lorkh-vitsa District)

Qualitative cleaning of buckwheat seeds A. Vasil'ev,
V. Novikov, A. Kikun Zemledolie 29 no 5 72-73
M. 167

A new standard for the buckwheat. I Plagin. Zhukovskiy
sel'khoz prod. no 3:54-56 M: 197.

Urkov, A.S., R.V.Solov'eva, and N.N.Shehrbrikov.
[A V.I. Lenin school museum; from the experience of
its organization and work] Shkol'nyi muzei V.I. Lenina;
iz opyta organizatsii i raboty Minsk, Narodnaya osveta,
1986. 85 p.

Gyorgy Szepesi, G. Zubkov, Sov. radio 1 tel. 16 no 1
36-18 Ap '67.

Preventing salt poisoning of bud grafted plants, cf M
Gavrilov, Vest, sel'khoz nauki 12 no. 5 128-130 M5
67

Meteoritika no. 27:161-177 '66.

Distribution of some young semiaquatic fishes in the
Dnieper-Bug liman and the forecasting of its change
in connection with possible salinization. S. G. Zakhand
Gidrobiol zhurn. 3 no. 3 55-62 '63.

Belostolskil, O.B., N.S.Kanluka, and D.M.Shevchuk.
[Concise handbook for building-site superintendent]
Kniatki spravochnik maistera-stroitel'. 1zd 2. Kiev,
Budivsel'nyk, 1966. 755 p.

Maulan, R. L., and others. [Structural elements] Stroitel'nye konstruktsii. Pod obshchey red. R. L. Maillana. Moskva, Stroiizdat, 1987. 504 p.

Russia (U.S.S.R.) Gosudarstvennyi komitet po delam
stroitel'stva [Construction specifications and regula-
tions] Stroitel'nye normy i pravila. Moskva, Stroitel's-

Pl. 2, Sec. V Ch. 8. [Enclosing structures; design standards] Ograzhdalushchie konstruktii, normy proektirovaniia. SNIP II-V.0-02. 1984.

Russia (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'sta. [Structural drawings, conventional graphic designations of building materials, structural elements and elements of buildings] Chertezhy stroitel'nykh materialov, garantskie oznacheniya stroitel'nykh materialov, elementov konstruktsii i elementov zdanii. GOST 11853-65. GOST 11902-66 GOST 11891-66 Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1967, 53 p. (SSSR Gosudarstvennyye standarty)

Exhibit provision of "Intending work," V. Svetkov. Zhitt.
st of no 12:30-31 1900.

BUILDING—ESTIMATES see subdivision under Kazakhstan

BUILDING—TECHNOLOGICAL INNOVATIONS

Construction of houses with charged particles.
D. Mikhaylovskii A. Protosov Izhor i'atya no 1-19-
31 1967

BUILDING MACHINERY see Construction equipment

The price of small magnitude; facts and figures. Agtalar
no. 6 34-35 Mi '61

Vsesoyuznaya konferentsiya po problemam fiziko-khimicheskoy mekhaniki, Tashkent, 1964. [Physicochemical mechanics of soils, ground, clays, and building materials, reports] Fiziko-khimicheskaia mekhanika pochv, gruntov, glin i stroitel'nykh materialov; [doklady]. Tashkent, Fan, 1966, 475 p.

BUILDING MATERIALS—TRANSPORTATION

Evdokimov, V. A., and I. U. D. Saperson. - [Transportation systems for large structural elements] *Transportnye sredstva dlia perevozki krupnorazmernykh stroitel'nykh detalei*. Leningrad, Stroiizdat, 1967. 126 p.

BUILDING SITES

Control of the layout of a building site G. S. Monoshkin, T. C. Zimov. *Gidrot. khar.* no. 11 28-30 N '66

Classification and establishment of points on building sites of frame structures I. F. Bolgov. *Inzh. geod.* no. 1, 1-16 '65

BUILDING TRADES

(see also subdivision under Dnepropetrovsk)

Use of the material under the sun, sunbathes, and... Prof. I. I. Itkov. *Prof. tekhn. obs.* 31 no. 3 17 M '67

Feeding young builders A. B. Brikov, A. I. Logov. *Prof. tekhn. obs.* 23 no. 10 23 O '66
The built city L. Tropp. *Prof. tekhn. obs.* 23 no. 24-25 O '66

BUILDINGS—MAINTENANCE AND REPAIR

Reliability of determining the degree of modernization of residential buildings in Ukrainian cities V. I. Kravchenko. *Kauf. tekhn. i gos. khoz.* no. 5 103-109 '66

BUNIN, NIKOLAI IVANOVICH, 1916-

Chief of the Bureau of the Ministry of the Interior no. 3 30-31 '67

BUKOVINA—AGRICULTURAL CREDIT

Efficiency of extending credit for the capital investments of collective farms A. Shvets. *Dokl. akad. nauk* 25 no. 5 42-46 M '67

BUKOVINA—COLLECTIVE FARMS—FINANCE

Efficiency of extending credit for the capital investments of collective farms A. Shvets. *Dokl. akad. nauk* 25 no. 5 42-46 M '67

BUKOVINA—EDUCATION, RURAL

Active citizens, I. A. Kanavskiy. *Vych. sled. sbornik* no. 3 54-55 M '67

BUKOVINA—STUDENT ACTIVITIES

Along the paths of their fathers and Soviet heroes, V. I. Katsun. *Prof. tekhn. obs.* 23 no. 10 1-5 O '66

BULGARIA—BANKS AND BANKING

Reform in Bulgaria V. Bochkova. *Dokl. akad. nauk* 25 no. 1 86-88 Ap '67

BULGARIA—BIBLIOGRAPHY

[See Literature on Bulgaria] Nov. III, no. 10, 5 '67

BULGARIA—CHEMICAL INDUSTRIES

State of and prospects for the development of Bulgaria's chemical industry. A. S. Nikol'skii. *Khim. prom.* 12 no. 4 65-67 S '66

BULGARIA—COMMUNIST PARTY

In the residential blocks Pavel Pavlov. *Part. zhizn'* no. 10 72-75 M '67

BULGARIA—EDUCATION, HIGHER

Some questions on higher education in the People's Republic of Bulgaria. Ivan M. Lushov. *Vost. vys. shkoly* 25 no. 5 89-91 M '67

BULGARIA—FOREIGN RELATIONS—RUSSIA

Martynenko, A. K. [Russian-Bulgarian relations in 1994-1992]. *Russko-bolgarskie otnosheniya v 1994-1992 gg.* [Moscow: Izd-vo Klovskogo univ., 1997. 205 p.]

The Soviet-Bulgarian treaty. *Nov. vrem.* 25 no. 21 1 M '67

BULGARIA—INVESTMENTS, FOREIGN

Foreign investments in the Bulgarian industry of the late 19th century. S. Sh. Ginzberg. *Sov. sluzh.* no. 3 53-54 M '67

BULGARIA—IRRIGATION

Use of movable siphons in irrigation. Ivan Verlov. *Gidrot. mel.* 19 no. 5 67-72 M '67

BULGARIA—MANUAL TRAINING

In a Bulgarian school. T. D. Gancheva. *Shkola i protiv.* II no. 5 67 M '67

BULGARIA—NAME

Etymology of the ethnic name "Bulgars." A. B. Bulatov. *Uch. zap. CHNII* 11 no. 29-269-260 '65

BULGARIA—NATURAL RESOURCES

On Bulgarian soil T. A. Kislova. *Priroda* no. 4 87-89 Ap '67

BULGARIA—PLUM—DRYING

Tsarevich, B. A. [Potentialities of the economic use of raw fruit, from the work practice of the Yedintay Canning Plant]. *Rezervy ekonomicheskogo ispol'zovaniya fruktovogo syr'ya, iz opyta raboty EBNetskogo konservnogo zavoda.* Kishinev, Karta Moldovenianske, 1967. 83 p.

BULGARIA—RELATIONS (GENERAL) WITH RUSSIA

Meeting of metallurgists in Sofia. I. I. Kostukov. *TSvet. met.* 40 no. 5 89-91 M '67

BULGARIA—STANDARDIZATION

[Bulgaria, a survey] Bulgaria, obzor. Moskva, Izd-vo Standartov, 1967. 25 p. (Standartizatsiya za rubezhom)

BULGARIAN LANGUAGE—DICTIONARIES—RUSSIAN

Atikhov, M. G., I. I. Mil'schikov, and M. M. Rashitov, comps. [Bulgarian-Russian military dictionary] *Bolgar-slovianski voennyi slovar'*. Moskva, Voenizdat, 1966. 526 p.

BUNIN, IVAN ALEKSEEVICH, 1870-1953

Early stories of I. A. Bunin which appeared in the periodical "Russkoe bogatstvo" in the 1890's. N. V. Tikhonina. *Uch. zap. MGU* no. 213 325-311 '61

Topic and style of the early stories of I. A. Bunin. P. V. Zibichin. *Trudy ikh.* no. 13 167-181 '61

BURDENKO, NIKOLAI NILOVICH, 1876-1946

N. N. Burdenko's political statement. A. M. Gasclovich. *Vop. neirohim.* 31 no. 2 53 M '67

BURNS AND SCALDS

Prophylaxis of cerebral substance in charring of a cadaver. I. G. Kuchev, M. I. Chumakov. *Sud. med. eksp.* 10 no. 2 16-17 Ap '67

Some equipment for treating patients with burns. B. M. Rehtman. *Voen. med. zh.* no. 5 80-81 M '67

BURYAT A. S. S. R.—COAL

Chemical and technological characteristics of some coals of the Buryat A. S. S. R. A. D. Davydov, O. I. Ruzanova. *Trudy BKNII* no. 20 163-179 '65

BURYAT A. S. S. R.—GEOLOGICAL RESEARCH

Basic problems of geological study in the Buryat A. S. S. R. and adjacent areas of Transbaikalia. T. O. Oshirov. *Trudy BKNII* 12 1-15 '66

BURYAT A. S. S. R.—GRANITE

Late Proterozoic granitoids of the northern part of Buryatia. A. N. Bulgakov. *Trudy BKNII* 22 10-46 '66
Some characteristics of the geochemistry and petrography of granitoids of the southern part of Buryatia. V. A. Dvorkin-Samaritskiy, I. M. Korzhina. *Trudy BKNII* 22 29-39 '66

BURYAT A. S. S. R.—MOLYBDENUM ORES—CLASSIFICATION

Formation and genetic classification of molybdenum mineralization of Buryatia. G. I. Tugovik. *Trudy BKNII* 22 104-110 '66

BURYAT A. S. S. R.—PALEOGEOGRAPHY

Paleogeography of the Buryat A. S. S. R. in the Cambrian. H. P. Butov, F. K. Volkolakov, I. A. Ivolllov. *Trudy BKNII* no. 21 19-30 '66

BURYAT A. S. S. R.—ROCKS, SEDIMENTARY

New areas of Mesozoic sedimentation in Buryatia and characteristics of their manifestation. T. T. Taisnev. *Trudy BKNII* no. 21 84-89 '66

BUS CONDUCTORS (ELECTRICITY)

Measurement of electrical currents in rectangular bus lines using a n.f. Hall transducer. N. M. Novogrenko. *Izv. vys. uchib. zav. elektromekh.* no. 1 133-141 Ap '67

Transients in massive conductors. O. V. Toront, E. I. Petruschenko. *Dokl. elektrotekh.* no. 21 11-13 '68

BUSINESS ENTERPRISES—HANDBOOKS, MANUALS, ETC.

Directories of firms in capitalist countries. I. Agalants, I. Volkova, I. Reznikova. *Vnesh. torg.* 47 no. 5 51-60 '67

BUSINESS FORECASTING

To forecast means to know. N. A. Astashkin. *Sov. torg.* 10 no. 5 12-14 M '67

BUSINESS INTELLIGENCE

Imperialists are conducting economic espionage. M. Shitkov. *Ty i snab. Sov. Voor. Sil.* 27 no. 11 69-91 N '66

BUTADIENE

Addition of selenophenol to 1,3-dienes. F. G. Gabdrakhmanov, I. U. Samitov, E. G. Kataev. *Zhur. ob. khim.* 37 no. 4 761-765 Ap '67

New method of calculating molecular vibrations of 1,1,2,2-tetrafluoro-1,3-butadiene. I. U. M. Panchenko and others. *Vest. Mosk. univ. Ser. 2 Khim.* 22 no. 2 20-22 M '67

Phase equilibrium and volume ratio in the divinyl - cyclohexane system. M. S. Rozhnov. *Khim. prom. Ukr.* no. 3 26-30 M '67

Polarography of organohalogen compounds. Part 4: Mechanism of hexachlorobutadiene electroreduction. I. G. Feoktistov, A. S. Solonin, I. U. S. Ivalikov. *Zhur. ob. khim.* 37 no. 5 981-986 M '67

Preparation of divinyl and cyclopentadiene from piperylene. T. S. Rodnitskiy, B. A. Grigorovich. *Neftekhimika* 7 no. 2 208-213 M '67

Reactivity of 1-methoxy-2-nitrosobutane. Part 3. Reaction of butadiene. V. V. Iokhin, A. I. Uzun, O. V. Dement'eva. *Zhur. ob. khim.* 37 no. 1 811-814 Ap '67

Reactivity of 1-methoxy-2-nitrosobutane. Part 4. Reaction of 1-methoxy-2-nitrosobutane. A. V. Fokin, A. I. Uzun, O. V. Dement'eva. *Zhur. ob. khim.* 37 no. 1 811-816 Ap '67

Some syntheses on the basis of divinyl oligomers. T. P. Tepenitsina, M. I. Panchikov. *Izv. vuz. uchib. za. khim. i khim. tekhn.* 10 no. 3 336-341 '67

BUTADIENE POLYMERS

Cyclotrimerization of butadiene over the catalytic system $C_6H_6-TiCl_3-Al_2CH_3R_2$. V. M. Akhmedov, L. I. Zakharin, K. I. Kal. 8 no. 2 331-331 M '67

Production of a shock-resistant block polybutadiene with the use of polybutadiene rubber. V. D. Chel'ev and others. *Khim. prom. Ukr.* no. 3 1-6 M '67

Production of protective mixtures from cis-1,4-butadiene rubber. I. A. Ognevskiy and others. *Kauch. i rez.* 26 no. 5 10-11 '67

Viscosity of latexes based on butadiene copolymers with methacrylic acid and its salt. V. I. Kuznetsov, A. V. Lebedev, A. I. Zinich. *Kauch. i rez.* 26 no. 5 6-10 '67

BUTADIENE POLYMERS—DIPOLE MOMENTS

Effective dipole moments of polydivinyl aretals. S. T. Baizaman. *Vysokom. soed. Ser. A* 9 no. 4 749-753 Ap '67

BUTADIENE POLYMERS—SPECTRA

Study of the structure of 1,4-trans-polybutadiene on the basis of infrared polarized spectra. V. N. Nikitin, N. V. Mikhailova. *Vysokom. soed. Ser. A* 9 no. 4 781-788 Ap '67

BUTADIENE

Diacetylene glycols of the heterocyclic series. I. N. Avchakov, T. G. Sarabiev, K. B. Ershakov. *Vest. AN Kazakh SSR* 23 no. 3 12-17 M '67

Synthesis and conversions of piperidine diacetylene glycols. I. N. Avchakov and others. *Vest. AN Kazakh SSR* 23 no. 3 19-21 Ap '67

BUTANE

Dehydrogenation of butane in presence of ethylene as hydrogen acceptor on chromia alumina catalyst. K. P. Lavrovskiy and others. *Neftekhimika* 7 no. 2 161-165 M '67

Effect of inert diluents on the dehydrogenation of isopentane by iodine. S. V. Adol'son, V. I. Vikonov. *Dokl. AN SSSR* 171 no. 1 150-153 M '67

High-temperature conversion of propane and butane fractions in the presence of nitrogen diluent. D. A. Guseinov and others. *Izvest. neftekhim.* 46 no. 5 37-39 M '67

Precipitation of neohexane. I. A. Batashov, F. A. Timofeeva, N. I. Shulkin. *Izv. AN SSSR, Ser. khim.* no. 5 1118-1149 M '67

BUTANEDIONE

Reactions of methyl- and ethyldichlorophosphine with diacetyl. A. N. Pudovik and others. *Zhur. ob. khim.* 37 no. 4 805-810 Ap '67

BUTANOL

Catalytic alkylation of aniline by 1-butanol. N. S. Lobanova, P. A. Popov. *Zhur. prikl. khim.* 10 no. 3 640-643 M '67

BUTENE

Determining the optimal parameters of the oxidation of butenes to maleic anhydride. V. I. Klimenko and others. *Khim. prom.* 12 no. 11 19-21 M '66

BUTEROV, ALEKSANDR MIKHAILOVICH, 1828-1886

Founder of structural chemistry. I. U. S. Musabekov. *Priroda* no. 5 79-85 M '67

BUTTER see subdivision under Vologda Province

BUTURLIN, SERGEI ALEKSANDROVICH, 1872-1938

From the unknown materials of S. A. Buturlin's archives. M. Kh. Valkin. *Uch. zap. Ufian. gos. ped. inst.* 18 no. 3: 104-102 '63

BUTYNE DIOL

Kinetics and mechanism of 2-butyne-1,4-diol synthesis. E. G. Gel'perina and others. *Kin. i kat.* 8 no. 2 362-370 M '67

BUTYRIC ACID

Comparative study of ester- and interocaptive effect on gamma aminobutyric acid content in cerebral hemispheres. U. I. Malashina. *Vest. AN BSSR, Ser. biol. nav.* no. 2 76-79 '67

BUTYRIC ACID—PHYSIOLOGICAL EFFECT

Effect of gamma-aminobutyric acid and beta-oxo-gamma-aminobutyric acid on brain blood circulation and electroencephalogram under normal and spasmodic conditions. V. P. Akopian, E. S. Gabelian. *Dokl. AN Arm. SSR* 14 no. 3 139-141 '67

Role of gamma aminobutyric acid in the regulation of the glycemia level in diabetes mellitus. N. G. Khumarian, R. S. Mamikoulian. *Zhur. eksp. i klin. med.* 7 no. 2 3-9 '67

- BIODEGRADATION**
Effect of various types of higher nervous activity on the biodegradation of organic substances. H. K. Troitskaya. Vestn AN BSSR Ser. biol. nav. no. 2 80-81 '67.
- BIOLOGY OF FIELD-MOUSES**
The biology of field-mice in the steppe zone of Azerbaijan. A. A. Zaytsev. Izv. AN Azerb. SSR Ser. biol. nav. no. 2 80-81 '67.
- CABINAGE**
(see also CABINAGE AND FEEDS) see subdivision under CABINAGE
- CABINAGE—FERTILIZERS AND MANURES**
The effect of fertilizers and manures on the growth of cab-
bage. A. A. Zaytsev. Izv. AN Azerb. SSR Ser. biol. nav. no. 2 80-81 '67.
- CABLES—FROST DAMAGE**
The effect of frost on the mechanical properties of cables. I. A. Chaplinskii. Shor. soobshch. AN Azerb. SSR Ser. biol. nav. no. 2 80-81 '67.
- CADAVERS**
Comparative analysis of the methods for isolating cadaveric fluid from the material. P. M. Salomatin. Izv. AN Azerb. SSR Ser. biol. nav. no. 2 80-81 '67.
- CADMIUM—METALLURGY**
The effect of the composition of the alloy on the mechanical properties of cadmium. A. A. Zaytsev. Izv. AN Azerb. SSR Ser. biol. nav. no. 2 80-81 '67.
- CADMIUM ANTIMONIDE CRYSTALS**
Spectral characteristics and Hall effect of alloyed CdSb single crystals in the 1.5-400°K temperature range. L. I. Zaitseva. Izv. AN Azerb. SSR Ser. biol. nav. no. 2 80-81 '67.
- CADMIUM COMPOUNDS**
Composition and stability of water-soluble cadmium-molybdenum complexes. L. I. Zaitseva, G. V. Kuznetsova. Vestn LGU no. 4 105-112 F '67.
- CADMIUM FLUORIDE CRYSTALS**
Concentration broadening of lines in Fu^{3+} spectra in CdF_2 . B. S. Syrovogor, M. F. Dubovik, N. K. Ageeva. Opt. spekt. 22 no. 4 665-666 Ap '67.
- CADMIUM IODIDES—THERMODYNAMICS**
Thermodynamic characteristics of the cadmium monoxide complex. V. P. Vasil'ev, P. S. Mukhina. Izv. vyz. ucheb. zav. khim. i khim. tekhn. 10 no. 3 263-266 '67.
- CADMIUM ORGANIC COMPOUNDS** see Organocadmium compounds
- CADMIUM SELENIDE—SPECTRA**
Energy structure of cadmium selenide and the quantum yield of the photoionization in the fundamental absorption region. V. K. Adamchuk. Opt. spekt. 22 no. 4: 595-5.3 Ap '67.
- CADMIUM SULFIDE CRYSTALS—ACOUSTIC PROPERTIES**
Studying the ultrasonic wave absorption in CdS single crystals depending on the intensity and spectral composition of the irradiation. S. N. Baranovskii and others. Izv. vyz. ucheb. zav. fiz. no. 4 121-124 '67.
- CADMIUM SULFIDE CRYSTALS—SPECTRA**
Studying the temperature dependence of excitation band contours of polycrystalline cadmium sulfide films. A. V. Rakov, V. G. Mokrov, G. I. Vzdov. Opt. spekt. 22 no. 4 590-594 Ap '67.
- CADMIUM-TIN ALLOYS** see Tin-cadmium alloys
- CAFFEINE—PHYSIOLOGICAL EFFECT**
Effect of caffeine on conditioned and unconditioned reflexes in dogs of various types of higher nervous activity. H. K. Troitskaya. Vestn AN BSSR Ser. biol. nav. no. 2 80-81 '67.
- CAIRO—DESCRIPTION AND TRAVEL**
Cairo during the ordeal. E. Prumakova. Nov. vrem. 26 no. 26, 7-9 Je '67.
- CASSONS**
Prevention of calisson disease in the tunnel construction of Baku subway. S. N. Vlasov, S. I. Shafteva. Azerb. med. zhur. 44 no. 1, 72-77 Ja '67.
- CALANOIDA** see subdivision under Siberia, Western
- CALCIFICATION**
Changes in the mineral and protein metabolism in calcified tissues in rats following continuous administration of hydrocortisone, DOCA and ACTH. Z. V. Zakharova. Pat. fiziol. eksp. terap. 11 no. 1:55-58 Ja-F '67.
- CALCITE**
(see also subdivision under Siberian Platform)
Carbon isotopic composition of calcites in different stages of the carbonatite process in connection with the problems of carbonatite genesis. A. P. Vinogradov and others. Geokhimiya no. 5 499-509 My '67.
- CALCIUM—ANALYSIS**
Determination of calcium in the products of the sugar industry by flame photometry. V. A. Tsiurup. Trudy VNIISP no. 13 139-149 '66.
- CALCIUM—EFFECT ON PLANTS** see Plants, Effect of calcium on
- CALCIUM CHLORIDE**
Mechanism of reaction of heating of a mixture of apodumene with limestone and calcium chloride. G. D. Urvaeva. Zhur. prikl. khim. 40 no. 3 522-528 Mr '67.
- CALCIUM COMPOUNDS**
Calcium compound content in grapevine as related to chlorosis. E. L. Giorgobiani. Fiziol. drev. rast. no. 2 17-25 '66.
- CALCIUM HYDROXIDE**
Control of the density and expenditure of milk of time. F. A. Samonov, A. S. Sidorov, V. V. Radchenko, Sakh. prom. 41 no. 5 32-36 My '67.
- CALCIUM IN THE BODY**
Effect of changes in calcium concentration on the membranofibrillar connection in muscle fibers. T. N. Oniani, S. V. Dzhibladze, A. A. Ungladze. Fiziol. zhur. 53 no. 5:557-562 My '67.
- CALCIUM ISOTOPES**
Fine structure of the cross section of the $Ca^{40}(\gamma, n)$ reaction. B. I. Goriachev and others. Izd. fiz. 5 no. 5 1138-1139 My '67.
- CALCIUM MOLYBDATE—SPECTRA**
Study of the structure of aquapoly compounds by means of proton magnetic resonance. Part I. Molybdates and tungstates of calcium. V. V. Mank and others. Zhur. strukt. khim. 8 no. 2 227-232 Mr-Ap '67.
- CALCIUM PHOSPHATES**
Preparation of dicalcium phosphate of stoichiometric composition by a continuous process of precipitation with automatic control of pH of the medium. I. M. Vasserman, N. I. Silant'eva. Zhur. prikl. khim. 40 no. 3 577-584 Mr '67.
- CALCIUM SILICATES**
Processes of interaction in the system $\beta-2CaO \cdot SiO_2 - Li_2O - H_2O$. D. N. Bogomolov, A. T. Beiskov, A. Kh. Nazirov. Zhur. prikl. khim. 40 no. 3 665-668 Mr '67.
- CALCIUM SILICIDES**
Reduction by carbon of silicon and calcium from their oxides. I. U. S. Makalimov and others. Izv. AN SSSR, Met. no. 2 42-44 My-Je '67.
- CALCIUM TUNGSTATES—SPECTRA**
Study of the structure of aquapoly compounds by means of proton magnetic resonance. Part I. Molybdates and tungstates of calcium. V. V. Mank and others. Zhur. strukt. khim. 8 no. 2 227-232 Mr-Ap '67.
- CALCULI, URINARY** see subdivision under Armenia
- CALCULUS**
Men'shov, D. E. [Limits of indeterminacy with respect to measure for trigonometric and orthogonal series]. Predely neopredelennosti po mere trigonometricheskikh i ortogonal'nykh riadov. Moskva, Nauka, 1967. 61 p. (Akademiya nauk SSSR. Matematicheskii institut, Trudy, vol. 99)
- CALCULUS OF TENSORS**
Studying the form of a nonlinear effect tensor in crystals. V. N. Griban', L. N. Ovander. Izv. vyz. ucheb. zav. fiz. no. 4 24-29 '67.
- CALCULUS OF VARIATIONS**
Krushevskii, A. E. [Variational calculation of the body parts of machines]. Variatsionnye metody rascheta korpusnykh detalей mashin. Minsk, Nauka i tekhnika, 1967. 223 p.
Variational principle of mechanics for problems with initial conditions. L. A. Anisla, Mekh. tver. tela no. 2:87-90 Mr-Ap '67.
- CALIBRATION**
Determining expansion force in calibrating large-diameter pipe ends. S. I. Borisov, V. K. Kolomoyskii. Mot. i gornorud. prom. no. 2:32-35 Mr-Ap '67.
- CALIPERS**
Sliding calipers for measuring parts with acute angled guides. V. A. Burkov. Mashinostroitel' no. 5-15 My '67.
- CALLIGRAPHERS, ARABIC**
Medieval calligraphy and khattat of Azerbaijan. A. I. Kaziev. Izv. Azerb. no. 9:5-44 '63.
- CALORIC ENGINES**
Selection and arrangement of air heaters in coal mines. L. P. Severin. Zap. LGI 50 no. 1:66-74 '65.
- CALORIMETERS**
Switching network of the automatic system of a differential calorimeter. S. S. Khirizman. Konstr. izm. tekhn. no. 3:105-109 '66.
- CALORIMETRY**
Calorimetric study of polypolyene oxide. II. K. Godovskii, G. L. Slonimskii. Vysokom. soed. Ser. A D no. 4:845-850 Ap '67.
Calorimetric study of the kinetics of isothermal crystallization of polypolyene oxide. G. L. Slonimskii, I. U. K. Godovskii. Vysokom. soed. Ser. A D no. 4:853-859 Ap '67.
Study of the catalytic oxidation of hydrogen on silver by means of adsorption calorimetry. V. D. Ostrovskii. Kin. i kat. 8 no. 2:171-178 Mr-Ap '67.
- CALVES**
Hematological indices in purchased and crossed calves. A. I. Sundukov. Vest. sel'khoz. nauk. 12 no. 5:67-69 My '67.
- CALVES—DISEASES AND PESTS** see subdivision under Alma-Ata Province
- CALVES—FEEDING AND FEEDS**
Intermediate metabolism and processes of fermentation in the rumen of calves during intensive raising and fattening. G. A. Bondarenko and others. Vest. sel'khoz. nauk. 12 no. 5 59-66 My '67.
- CAMBODIAN STATESMEN** see Statesmen, Cambodian
- CAMERAS**
Calculation method and study of optical prism compensators. G. I. Belinskii, A. S. Dubovik, M. S. Guseva. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:113-120 Mr-Ap '67.
- CAMOMILE** see subdivision under Ukraine
- CAMPBOR**
Determination of camphor by titration in nonaqueous solvents. N. A. Kazarinov, N. P. Dziuba. Farmatsiya 16 no. 2:52-54 Mr-Ap '67.
- CAMPBOR—THERAPEUTIC USE**
Use of a new vaso- and cardiotonic preparation tauremin in as a substitute of camphor in the treatment of pneumonia. N. M. Petrov. Sov. med. 30 no. 5:54-57 My '67.
- CAMPBORIC ACID**
Use of camphoric acid in the analytical chemistry of gallium. Part 3: Determination of gallium in some natural and industrial materials using camphoric acid for its concentration. T. N. Kriachkova, M. N. Gordoeva. Vest. LGU 22 no. 4:113-116 F '67.
- CAMS**
Acceleration of the roller on an axle in the follower of a cam gear with a flat advancing or cylindrical rotating cam. B. S. Tsfas. Izv. vyz. ucheb. zav. mashinost. no. 3:10-14 '67.
Constant diameter cam defined by the curves of circumferences and having a frame follower. Sh. A. Lorman. Mashinovedenie no. 3:44-50 My-Je '67.
Effect of parameters and shape of the cam gear of a radial-flow piston hydraulic engine on the mechanical efficiency. I. U. I. Lovtsov. Izv. vyz. ucheb. zav. mashinost. no. 3:44-49 '67.
Kinematic profiling of cam mechanisms with disk cams. E. N. Dokuchaeva, A. I. Lushkin, M. S. Rozovskii. Mekh. mesh. no. 3:4:107-112 '66.
- CANADA—NATURAL RESOURCES**
Foreign achievements in the reclamation of the north. G. A. Agrat. Izv. AN SSSR. Ser. geog. no. 3:60-71 My-Je '67.

CANADA—PETROLEUM GEOLOGY

Present status of oil reserves and oil recovery of Canadian fields. I. A. Dubinin. Trudy MINKHOP no. 66 76-85 '67.

CANADA—PETROLEUM PRODUCTION

Present status of oil reserves and oil recovery of Canadian fields. I. A. Dubinin. Trudy MINKHOP no. 66 76-85 '67.

CANADA—PLANTS, PROTECTION OF

Scientific research work in Canada. I. D. Batilashvili. Zashch rast. 12 no. 5 53-56 '67.

CANADA—RELATIONS (GENERAL) WITH THE UNITED STATES

The slogan, "independence!" Karl Staf. Sov. profsoyuz 23 no. 8 35-36 Ap '67.

CANADA—TRADE UNIONS

The slogan, "independence!" Karl Staf. Sov. profsoyuz 23 no. 8 35-36 Ap '67.

CANALS

(see also subdivision under Gorkiy Province, see also Kara Kum Canal)

Vemunas - Dnieper Canal. V. S. Nagibin. Priroda no. 4 10 Ap '67.

CANCER

Changes in the bioelectrical activity of the cerebral cortex in rabbits during the process of progressive growth and regression of Brown-Pearce carcinoma. V. P. Tsapenko. Fiziol. zhur. [Ukr.] 13 no. 3 114-116 My-Je '67.

Incubity in malignant neoplasms. L. V. Korinikov. Klin. khir. no. 3 80-81 Mr '67.

Principle of selective protection in chemotherapy of malignant tumors. G. I. A. Svet-Moldavskii, A. I. Pavlovskii, L. I. Ravkin. Vest AMN SSSR 22 no. 5 12-43 '67.

Some stages of clinical chemotherapy in tumorous diseases. N. N. Blokhin, N. I. Petrovichukova. Vest AMN SSSR 22 no. 5 30-42 '67.

State of blood coagulation system in cancer. F. A. Beigut. Sov. med. 30 no. 5 102-107 My '67.

CANCER CELLS

Cytomorphical and cytogenetic characteristics of leukemic cell. N. V. Dzhibladze. Soob. AN Gruz. SSR 46 no. 1: 103-108 Ap '67.

Functional heterogeneity of mitochondria in normal and tumor cells. N. K. Monakhov. Mol. biol. i no. 1 114-122 Ja-F '67.

Marker chromosomes in the karyotype of cells of ascitic tumor NK/Ly. G. G. Poroshenko, T. A. Nikol'skaya. Dokl. AN SSSR 174 no. 1 210-212 My '67.

CANCER RESEARCH

Biochemical approaches to the development of tumor chemotherapy methods. A. K. Belousova. Usp. sovr. biol. 52 no. 3 241-258 N-D '67.

Effect of immunization by antigens from a heterologous and autologous liver on metastasizing of Walker's carcinoma in parabiotic rats. Biol. eksp. i med. 63 no. 6 64-68 Je '67.

Evolution of the virus and genetic theory of the origin of malignant neoplasms. G. I. Abelev and others. Vest AMN SSSR 22 no. 5 8-12 '67.

Experimental morphological study of Ehrlich's ascitic carcinoma in mice CC₅₅, as affected by sodium bromide. E. B. Aslanov. Soob. AN Gruz. SSR 46 no. 2 129-133 My '67.

Oncologists, recipients of the Nobel Prize for 1966. I. M. Vasil'ev, V. I. Samoilov. Priroda no. 1 111-113 Ap '67.

Some results and aspects of the study of epidemiology of malignant neoplasms in the U. S. S. R. A. V. Chaklin. Vest AMN SSSR 22 no. 5 13-20 '67.

CANCER RESEARCH—CONGRESSES

9th International Cancer Research Congress. G. M. Gortalsum. Vaen. - med. zhur. no. 5 80-81 My '67.

8th International Cancer Research Congress. L. M. Shabad, A. B. Linnik. Vest AMN SSSR 22 no. 5 88-96 '67.

CANDIDA (FUNGUS)—CULTURES AND CULTURE MEDIA

Autolysis in hydrocarbon-oxidizing yeast of the genus Candida. E. G. Boisenko. Mikrobiologiya 36 no. 2 240-242 Nl -Ap '67.

CANKER (PLANT DISEASE)

Canker forming pests of rice. A. I. Kas'ianov. Zashch. rast. 12 no. 5 36-37 '67.

CANNED FISH see Fish, Canned

CANNING INDUSTRY—STATISTICS see subdivision under Moldavia

CAPILLARIES

Device for automatic stretching of capillaries for micro-electrodes. V. D. Avelov, S. A. Evdokimov. Fiziol. zhur. 53 no. 5 600-602 My '67.

CAPILLARIES—PERMEABILITY

Effect of diethylamides of lysergic acid on the permeability of histohematic barriers in rats. M. I. A. Maizelis. Biol. eksp. i med. 63 no. 6 51-53 Je '67.

Methodology for studying the permeability of capillary membranes. M. M. Povzhitkov, M. F. Syrotina. Fiziol. zhur. [Ukr.] 13 no. 3 423-424 My-Je '67.

CAPILLARITY

Capillary rise of nonpolar hydrocarbon fluids in a porous medium. A. K. Mamedov. Izv. vys. ucheb. zav. nef't' i gaz. 10 no. 4 71-75 '67.

Effect of curvature of liquid surfaces on image quality in telescopes of liquid compensator levels. I. U. I. Besspalov. Izv. vys. ucheb. zav. - geod. i aerof. no. 5 95-100 '66.

CAPITAL

(see also subdivision under Afghanistan, Tatar A. S. S. R.)

Analysis of the efficiency of working capital and credit. I. U. Shon. Den. i kred. 25 no. 4 24-26 Ap '67.

[Establishing norms for the working capital of enterprises, a practical aid.] Normirovanie obratnykh sredstv predpriyatiy: prakticheskoe posobie. Moskva, Finansy, 1967. 158 p.

On the problem of increasing the efficiency of social production. T. V. Checheleva. Probl. sovr. ekon. Kazakh. no. 2 36-67 '66.

Orlov, S. A. [Improve planning for the use of capital assets of enterprises.] Uluchshit' planirovanie ispol'zovaniya osnovnykh fondov predpriyatiy. Kishinev, Kartia Moldovenaske, 1967. 50 p.

Working capital of socialist enterprises. V. Portsev. Ekon. i zhizn' 9 no. 4 57-60 Ap '67.

CAPITAL INVESTMENTS

Capital investments and the renovation of capital assets. A. Mitrofanov. Plan. khoz. 44 no. 6 37-16 Je '67.

CAPITAL LEVY

The new institutional materials. Bukh. uch. 26 no. 5 77-80 My '67.

Yield of production funds and the efficiency of production. V. Seifanov, V. Chybylov. Ekon. Rad. Ukr. 10 no. 2 24-28 F '67.

CAPITALISM

(see also subdivision under Europe, Western)

Discussion of the problems of modern capitalism. V. Gudantse, V. Smirnov. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 6 103-105 '67.

Levin, A. A. [Social and economic forms in the U. S. S. R. during the period of transition from capitalism to socialism, state capitalism and private capitalism.] Sotsial'no-ekonomicheskie ukhdy v SSSR v period perekhoda ot kapitalizma k sotsializmu; gosudarstvennyi kapitalizm i chastnyi kapitalizm. Moskva, Ekonomika, 1967. 166 p.

Marxists' international conference. Mir. ekon. i mezhdunar. otn. no. 6 58-106 '67.

Origin of the world capitalist economy and its nature. V. E. Motylev. Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 5 85-93 '67.

The problem of the socioeconomic nature of state capitalism. V. I. A. Levin. Vop. ist. KTSS II no. 6 34-44 Je '67.

CARBAMIC ACID

Dithiocarbamates against Peronospora infection of tobacco. N. M. Gulyshin and others. Khim. v sel'. khoz. 5 no. 6 27-30 Je '67.

CARBAZOLE

Reaction of alkaline fusion of carbazolesulfo acids. L. A. Stepanova, V. I. Shishkina. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 3 298-300 '67.

CARBIDES

Hardening of a hard alloy under the effect of a beam of light. L. I. Mirkin, I. F. Pilipetskii. Izv. AN SSSR, Met. no. 2 137-139 My-Je '67.

High temperature oxidation of alloys WC - TaC - Co. G. A. Meiserson, V. F. Funke, V. S. Panov. Izv. AN SSSR. Neorg. mat. 3 no. 5 887-890 My '67.

CARBODIIMIDE

Specific cleavage of tRNA, modified by water-soluble carbodiimide, on cytidylic acid residues. O. I. Ivanova, D. G. Khorre, E. G. Malygin. Mol. biol. i no. 3 335-342 My-Je '67.

CARBOHYDRATE METABOLISM

Some aspects of carbohydrate metabolism of the brain in closed cranio-cerebral trauma. M. Sh. Promyslov, R. A. Tigranov, N. I. Evtimov. Vop. med. khim. 13 no. 3 205-209 My-Je '67.

CARBOHYDRATES

Effect of gibberellin on carbohydrate content in Helianthus tuberosus L. R. F. Potok, T. V. Zubrytska. Ukr. bot. zhur. 24 no. 2 9-14 Mr-Ap '67.

CARBOHYDRATES—MOLECULAR ROTATION

Conformation of carbohydrates. Part 1: Calculation of the potential function of internal rotation. K. M. Grushchinskii, A. F. Beisenskiy. Zhur. strukt. khim. 8 no. 2 325-331 Mr-Ap '67.

Conformation of carbohydrates. Part 2: Calculation of potential barriers during conformational transitions in molecules. K. M. Grushchinskii, A. F. Beisenskiy. Zhur. strukt. khim. 8 no. 2 332-337 Mr-Ap '67.

CARBOHYDRATES—PHYSIOLOGICAL EFFECT

Distribution, circulation and fate of carcinogenic carbohydrates in the environment of man and the role of their deposition in tissues in carcinogenesis. L. M. Shabad. Vest AMN SSSR 22 no. 5 20-20 '67.

CARBOHYDRATES—SPECTRA

Infrared spectra of carbohydrates and spatial distribution of C12 groups. V. P. Komar, R. G. Zhabankov, A. M. Prina, Zhur. strukt. khim. 8 no. 2 252-257 Mr-Ap '67.

CARBON

Evolution of the carbon of the earth. E. M. Galimov. Geokhimiya no. 5 530-536 My '67.

CARBON—EFFECT ON PLANTS see Plants, Effect of carbon on

CARBON BLACK

Expanding sources of stock for producing carbon black. M. S. Karamyshev and others. Neftepr. i neftekhim. no. 1 30-31 '67.

Preparing stock for the production of active furnace black. E. V. Lebedev and others. Neftepr. i neftekhim. no. 3 28-30 '67.

CARBON DIOXIDE

Condenser for carbon dioxide power systems. V. L. Dekhtiar'ev and others. Energomashinostroyeniye 13 no. 5 44-45 My '67.

Interaction between potassium ozonide, water vapor, and carbon dioxide. T. P. Firsova and others. Izv. AN SSSR Ser. khim. no. 5 973-976 My '67.

Kinetics of the reaction of methane with carbon dioxide on a nickel surface. I. M. Bodrov, L. O. Apal'sbaum. Kin. i kat. 8 no. 2 379-382 Mr-Ap '67.

Preparation of synthetic gas of a specific composition by methane conversion with water vapor and carbon dioxide. S. P. Grishko, M. Kh. Karapet'ants. Khim. prom. 42 no. 11 27-29 N '60.

Use of inert gas during the operation of the "De-Smet" deodorizing unit. A. G. Sergeev, N. I. Chertkov. Mast. zhur. prom. 33 no. 3 36-39 Mr '67.

CARBON DIOXIDE—OPTICAL PROPERTIES

Induced Mandelstam - Brillouin scattering in carbon dioxide near the critical point. B. S. Guberman, V. V. Morozov. Opt. i spekt. 22 no. 4 673 Ap '67.

CARBON DIOXIDE—PHYSIOLOGICAL EFFECT

Effect of carbon dioxide on plant arteries supplying blood to the cerebral cortex. L. S. Nikolaishvili. Soob. AN Gruz. SSR 46 no. 2 483-490 My '67.

CARBON DISULFIDE

Technical and economic evaluation of the processes of producing elemental sulfur and carbon disulfide from pyrites and natural gas. N. G. Vilesov and others. Khim. prom. Uk. no. 3 44-46 My-Je '67.

CARBON ISOTOPES

Carbon isotopic composition of calcites in different stages of the carbonatite process in connection with the problems of carbonatite genesis. A. P. Vinogradov and others. Geokhimiya no. 5 499-500 My '67.

Carbon isotopic composition of gases of bioheatat genesis. V. M. Ovsinnikov, V. S. Lebedev. Geokhimiya no. 5 537-542 My '67.

Isotopic composition of the carbon of natural hydrocarbons and some problems of their genesis. P. A. Alekseev, V. S. Lebedev, T. A. Krylova. Geokhimiya no. 5 510-518 My '67.

Studying bacterial fermentation of urea labeled radio-isotope C14. B. F. Reznikov, N. N. Isamov. Vest. sel'. khoz. nauki [Kazakh] 10 no. 2 108-111 F '67.

CARBON ISOTOPES—SCATTERING

Electrostatic integration of C12. N. G. Afanas'ev and others. Izd. fiz. 5 no. 5 1134-1135 My '67.

CARBON MONOXIDE

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No. 44: Reduction of carbon monoxide in hydropolymerization of ethylene. N. I. Ershov, I. A. T. Eldus, I. V. Guseva. Izv. AN SSSR, Ser. khim. no. 4 772-778 Ap '67.

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No. 45: Products of ethylene hydropolymerization. A. L. Lapidus and others. Izv. AN SSSR, Ser. khim. no. 5 1016-1023 My '67.

Study of ferriferous oxide catalysts used in the conversion of carbon monoxide. A. M. Alekseev, I. P. Kirillov, V. V. Kostrov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 3 300-313 '67.

CARBONATE ROCKS see Rocks, Carbonate

1. The first book is a cardiological medical ex-
- 1. The first book is a cardiological medical ex-
- 1. The first book is a cardiological medical ex-

№1-114 Consultants of Cardiologists, I. A. Ryvkin, Kaluzhskaya 7 123136-145 Msk 67.

Ukrainskyi na meditsynskii institut [Problems in gastro-
enterology and cardiology, materials of a province con-
ference of therapists] Voprosy gastroenterologii i
kardologii, materialy oblastnoi konferentsii terapevtov
Astrakhan', Volga, 1964 173 p
(DRLM)

an World Congress of Cardiologists. N. N. Kipshidze

The above information was based on materials of the 4th
F... ..
... ..

[illegible]

Scutrin, i institut usovishchenstva v vrachei.
[Problems of cardiovascular pathology, transactions of
the institute] Voprosy serdechno-sosudistoi patologii;
trudy instituta Pod red. A. Z. Chernova Moskva,
1963 329 p
(DNL4)

(see also subdivision under Leningrad)

containing the volumes of loose bull on goes on the
 on the 1st of April 1941 at 10:00 AM
 on the 1st of April 1941 at 10:00 AM
 on the 1st of April 1941 at 10:00 AM

Annual assignment of cargo movement lines to the
list of anchors of a port V Z Anan'ina
for port number 243-44 1966

sec also subdivision under Kambarka, Udmurt
(S.S.R.)

Establishing time norms for cargo handling operations
Svin Rech transp 26 no 4 23-24 '67
General work norms and wages M Rozenstrakh
No. 47 no 4 16 3p '67

1. I. I. Vertilina's hybrid forms on the dynamics of
2. seasonal stress of carotenoid in the grain of yellow
3. m. I. V. Sagunova. Vest. sel'skhoz. nauk. 12
4. 12-24. M. 1971.

der of cerebral blood circulation in stenosis of the
 right carotid artery in the cervical region. V I.
 Ivan, Vop n o kh 31 no 2 3-8. M. 1958.

importance of rheoencephalography and electroencephalography in diagnosis of carotid artery occlusions. *Glasnik Društ. lek. BSR II* no. 4 373-376. An.

...see Carbamates

on ecologic physiology and biochemistry of carp,
carp and their hybrids. G. I. Sukorbatov, Izv.
SIBIRSK 61 111-124 '66

ion or scale cover of cultured carp. G. I. Shpet,
GosNORKH 61 102-110 '66.

habits of young-of-the-year northern (Ropsha) and carp under different stocking density of fishpond at various temperatures. M. N. Selezneva, Izv. Vsesoyuzn. nauch. issled. inst. ozern. khoz. 1978, No. 1, p. 111-114, 14 p., 1 fig., 1 table, 12 refs.

biological characteristics of *Cyprinus carpio* L. +
artificial hybrids. R M Viktorovskii Izv
MORKH 61 136-142 '66.

ability of some morphological (diagnostic) characters
 published by G. A. Murashik. Izv GosNIORKH 61
 1966.

... and methods of camp breeding. V. S. Kupichni-
I. V. GOSNORKH 61 7-27 '66.

Parasites—Carp

(see also subdivision under Novgorod Province,
Pskov Province)

Characteristics of spawners of basic carp broods of the U.S.S.R. V. S. Kutichnikov, K. A. Golovinskaya. J. GosNIOBKH, 61:28-39, 1966.

Effect of stocking density on growth, variability and survival of young hybrid carp, K. V. Krut'kova et al., *Dokl. Akad. Nauk SSSR* 245: 103-105, 1980.

Notes on intraspecific comparisons. M. V. Andriashina. Izvestiya Akademii Nauk SSSR Seriya Biologicheskaya 1966, 1: 1-10.

Progeny testing method used on carp farmed by V. K. K.
pichnikov, Izv GosNIORI II 61 10-61 '66

What hampers the struggle for profitability? V. K. Tyl'shchikov, Sov. Voen. Sil 27 no. 5:66-69 85c

Claims to wood suppliers, Stand, 11 Ach, 31 no, 1-87
Ap 167.

Gas production in 1946-Carpathian region. I. M. Potide, LA S Laryka, R P Gomer. Gaz, dela no 1-1-7 '66

DEVELOPMENT
Methodology of predicting indices of gas pool develop-
ment in elastic water drive R I Cannon, A I Elshah-
Gaw, doc no. 3 7-33 44

Industrial structure of the Ciskei palladian regional concept
M. M. Padoletskiy Voenykh Izvestiya na SSSR no 1
37-10 1966.

51 Ms.-Je 167

Ieksenko, I.I. [Sulfur of the cis-Carpathian region]
Sora Predkarpat'ia Moskva, Nedra, 1967. 302 p.

Some preliminary results of geomorphological research in the Ukrainian Carpathians. P. M. TSYB and others. *Vishnyk L'vivsk. Ser. geogr.* no. 118, 1977, 46.

Industrial evaluation of forest soils in regions of the
Tupshian Mountains. O H Topoliev Viskh 1974
n. Ser geog no 17-20 466

omorphological regionalization of the Polytye-
lukovina Carpathians. B. I. Iosaduk. Vysok. Ekol.
n Ser. Geog. no. 134-36. 1966.

preliminary results of geomorphological surveys of the Ukrainian Carpathians. P. M. Tsyv' and others. Tsyv' L'viv un Ser. Geogr. no. 110-22, 1966.

species growth and climate fluctuations in the Carpathians. V. H. Kolishchuk, I. M. Ilukin. Ukr. zhur., 24 no. 2:30-47 Kh. Ap. 1967.

the Carpathians. M. H. KH. Vinnyk L'viv un. 1962
no 1 (6-8) '66.

el of gypsum and lime on the acidity and solubility of
phosphates in the brown mountain forest soils of the
plot Carpathians I M. Holobriv, Z. V. Piskunov,
L'viv-L'vivskiy gos. univ. gos. na 4 23-26 '66

for the forest industry complex of
the Ukrainian Carpathians. O. I. Shablil' Vsesoyuzn. 1966.

ENTRY
rolling the tenon joints of wooden goods, V M
yudin, V B Karetnikov Doi prom, 16 no. 6 10-20
1967

of fertilizers on the chemical composition of roots and carrots. N. M. Iankovskaya, Khim. vsel' khos. 5, 11-13, 1967.

BSH-I machine for carrot harvesting. I. Semenov,
Kheherbakov Fekli, v sel'khoz. 27 no. G 43-15, 90.

CARROTS—STORAGE

Storing losses of carrots in storage. V. G. Gromenko, *Fiziol. i Sov. iag.* 40 no. 5:52-54 My '67.

CARTOGRAPHY

(see also subdivision under Moscow, Novosibirsk)
Fiftieth anniversary of the Great October Socialist Revolution. Geod. i kart. no. 4:3-5 Ap '67.

National Council of Cartographers of the U.S.S.R. in 1967. A. P. Polozhakov. Geod. i kart. no. 1:51-53 Ap '67.

Generalization and methodology of topographical map revision. A. A. Blumov, V. V. Kislitsin. Geod. i kart. no. 5:43-51 My '67.

Place-name spelling on large-scale maps. M. B. Voloshin. Geod. i kart. no. 4:65-68 Ap '67.

Problems of microfilming in cartographic-geodetic work. V. I. Mikhailov. Geod. i kart. no. 1:48-50 Ap '67.

Production and management of Scientific and Technical Publishing Department. N. M. Tsvetkov. Geod. i kart. no. 4:70-71 Ap '67.

Selecting and marking planimetric control points. V. I. Drozdov. Geod. i kart. no. 1:25-27 Ap '67.

Socialist obligations of engineers, technicians, and employees of enterprises and factories of the Main Administration of Geodesy and Cartography on the eve of the 50th anniversary of the Great October Socialist Revolution. Geod. i kart. no. 5:3-4 My '67.

CARTOGRAPHY—ACCOUNTING

Business accounting in cartographic enterprises and means for improving it. V. N. Vysuk. Geod. i kart. no. 5:4-13 My '67.

CARTOGRAPHY—MECHANIZATION

Economic effectiveness of introducing automation into cartographic work. A. S. Vasmut. Geod. i kart. no. 11:60-65 My '66.

Results of the All-Union Conference on Problems of Automation and Mechanization in Cartography. A. S. Vasmut. Geod. i kart. no. 1:68-70 Ap '67.

CASCADES (FLUID DYNAMICS)

Transverse pulses of bending particles in nucleon-nucleon interactions at energies of 10^{12} – 10^{14} eV. K. Rybicki. Pis'ma v Zhurn. eksp. i teoret. fiz. 5 no. 5:166-170 My '67.

CASE HARDENING—EQUIPMENT AND SUPPLIES

Effect of ammonia additions in gas carburizing on structure and mechanical properties of bone bits. M. M. Petisova, I. G. Krivenko. Metalloved. i term. obrab. no. 4:63-65 Ap '67.

Investigating steels nitrided in nitrogen-diluted ammonia. A. N. Minkovitch, I. U. V. Sorokin. Metalloved. i term. obrab. no. 4:61-63 Ap '67.

CASPIAN LOWLAND—GAS, NATURAL—GEOLOGY

Objectives of gas prospecting in regions situated along the gas pipeline from Soviet Central Asia to Central Russia. P. M. Hristitskaya and others. Gas prom. 12 no. 5:36-38 My '67.

CASPIAN LOWLAND—GEOLOGY, STRATIGRAPHIC

Stratigraphic section of Nikolayevskaya key well No. 2. G. M. Iatkov and others. Trudy VNIIG no. 3:93-111 My '67.

CASPIAN SEA—FISHERIES—ECONOMIC ASPECTS

Method for computing payment for fish on piece rate basis. I. L. Tsigal'tsev, V. E. Prilacov. Ryb. khoz. 13 no. 5:68-69 My '67.

CASPIAN SEA—FISHES

Main causes for the decrease in fish stock in Caspian and Azov Seas. T. F. Dement'eva. Ryb. khoz. 43 no. 5:9 My '67.

CASPIAN SEA—MARINE FLORA

Vertical distribution of under-ground vegetation of the Black and Caspian Seas. K. M. Potapov. Okeanologiya 7 no. 2:314-320 Mr.-Ap '67.

CASPIAN SEA—MARINE FOULING

Benthonic organisms of the Caspian Sea and their role in the development of marine fouling. R. M. Bagirov, A. D. Aliev. Za tekhn. prog. 7 no. 1:41-43 Ap '67.

CASPIAN SEA—OSTRACODA

Seasonal changes in ostracod fauna of the western coast of central Caspian Sea. G. R. Pavlov. Izv. AN Azerb. SSR. Ser. biol. nauk no. 6:62-68 My '66.

CASPIAN SEA—PROSPECTING—GEOPHYSICAL METHODS

Some results of the comparison of materials of geophysical studies on the western and eastern shores of the Caspian Sea. E. N. Baginskaya and others. Izv. AN SSSR. Ser. geol. no. 5:88-98 My '67.

CASPIAN SEA REGION—DESCRIPTION AND TRAVEL

Along the Caspian Sea and in Transcaucasia. N. Abakumov. Sov. voen. 48 no. 23:37-40 D '66.

CASPIAN SEA REGION—FISH PROCESSING PLANTS

Principles of labor organization in completely mechanized fish processing plants of the Caspian Sea region. S. S. Tolban. Tr. Sh. Trukhtat'ev. Trudy VNIRO 59:199-206 My '66.

CASPIAN SEA REGION—GEOLOGY, STRATIGRAPHIC

Recent information on Cenomanian sediments of northern part of Caspian saline-dome region. I. U. M. Butkovskii. Dokl. AN SSSR 174 no. 1:170-172 My '67.

CASPIAN SEA REGION—GEOLOGY, STRUCTURAL

Types of local uplifts in the eastern part of the Caspian syncline. G. Zh. Zholdatov. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 3:32-38 My-Ju '67.

CASPIAN SEA REGION—MAMMALS

Mammals of Kara-Bogaz-Gol, northwestern Ustyurt, Mangyshlar and Buzachi regions. A. V. Samoilov. Nauch. dokl. vys. shkoly, biol. nauk. 10 no. 4:35-41 My '67.

CASPIAN SEA REGION—ORGANIC MATTER

Recent information on Cenomanian sediments of northern part of Caspian saline-dome region. I. U. M. Butkovskii. Dokl. AN SSSR 174 no. 1:170-172 My '67.

CASPIAN SEA REGION—PALEOGEOGRAPHY

Recent information on Cenomanian sediments of northern part of Caspian saline-dome region. I. U. M. Butkovskii. Dokl. AN SSSR 174 no. 1:170-172 My '67.

CASSITERITE see subdivision under Khingan Mountains

CAST IRON

Carbon-content reduction in magnesium cast iron. V. V. Arkhipov, N. P. Pimenov. Lit. proizv. no. 5:27-28 My '67.

Effect of cerium on oxidative wear resistance of manganic cast iron. A. N. Volkov, S. Teshnev. Dokl. AN Tadzh. SSR 10 no. 1:59-61 My '67.

CAST IRON—FATIGUE

Fatigue tests of high-strength cast iron used for parts of coal cutter-loaders. P. M. Shilov, N. S. Denisovich, V. G. Olenichenko. Tr. vuz. uch. i nauch. zhurn. 10 no. 3:85-86 My '67.

CAST IRON—HARDENING

Hardenability of magnesium cast iron with air quenching. A. A. Babinov and others. Lit. proizv. no. 5:26-27 My '67.

Isothermal hardening with high-frequency current heating of high-strength cast iron. K. A. Savitskiy. Metalloved. i term. obrab. no. 4:17-18 Ap '67.

CAST IRON—HEAT TREATMENT

Annealing chill castings of malleable cast iron. P. V. Daga, V. V. Babitskiy. Lit. proizv. no. 5:36-37 My '67.

CAST IRON—METALLOGRAPHY

Activation energy and factor determining the graphitization of white cast iron. F. K. Tkachenko, T. N. Tkaachenko. Izv. AN SSSR. Met. no. 3:189-192 My-Je '67.

Characteristics of eutectic crystallization in the metastable system Fe-Fe₃C-Si and Si segregation in white cast iron. I. I. Iev, S. D. Stannov. Lit. proizv. no. 5:17-20 My '67.

Effect of arsenic on the primary crystallization of magnesium cast iron. P. P. Ivanov. Lit. proizv. no. 5:20-21 My '67.

Effect of lanthanum on the form of graphite in austenitic cast iron. D. P. Ivanov, I. A. Vashkov, V. I. Krest'yanov. Lit. proizv. no. 5:34-35 My '67.

Effect of the form of graphite on durability of ingot molds. I. N. Tavadze, D. F. Barbakadze. Lit. proizv. no. 5:35-36 My '67.

Graphite forms in sulfur-saturated malleable cast iron. N. G. Girshovich, P. T. Shevchuk. Lit. proizv. no. 5:22 My '67.

Influence of cerium, neodymium, praseodymium, lanthanum and aluminum on the structure of cast iron. D. N. Khudokimov, R. I. Mityuchenko, V. M. Korolev. Metalloved. i term. obrab. no. 4:65-67 Ap '67.

Microdistribution of rare earth elements in cast iron. A. P. Lubchenko, M. V. Morozov. Lit. proizv. no. 5:16-17 My '67.

Narrow link of the second graphitization stage. M. P. Braun, I. G. Meizhko. Lit. proizv. no. 4:27-28 Ap '67.

Pearlite-ferrite malleable cast iron in agricultural machinery industry. G. E. Shifin. Lit. proizv. no. 5:37-38 My '67.

Pearlite malleable cast iron for insulator caps. N. A. Barilov and others. Lit. proizv. no. 5:39-40 My '67.

Properties of mottled cast iron at high temperatures. T. S. Skoblu, N. I. Sandov. Lit. proizv. no. 5:28-29 My '67.

Wear resistant castings of antimony cast iron. I. M. Kovalev. Lit. proizv. no. 5:33 My '67.

CAST IRON—METALLURGY

(see also subdivision under Ukraine)

Characteristics and advantages of smelting low-manganese converter pig, and roll cast iron at the Almaznaya Metallurgical Plant. K. N. Florov, D. N. Dobrinskiy. Met. i gornod. prom. no. 2:3-5 Mr.-Ap '67.

Comparative effectiveness of boron-containing inoculators. I. P. Lomaysh and others. Lit. proizv. no. 5:40-41 My '67.

Effect of boron on the graphitization of white cast iron with a high-chromium content. G. I. Sil'man, I. P. Pomykh. Lit. proizv. no. 1:41-42 Ap '67.

Effect of Sb, Bi, and B on properties of malleable cast iron. I. P. Budarin, V. A. Fulev. Lit. proizv. no. 5:38-39 My '67.

Effect of the corrosion of metal notch of forehearth closer on the feed of cupola cast iron for setting. I. M. Martynukh, B. V. Vostanov. Tr. vuz. uch. i nauch. zhurn. no. 1:118-119 My '67.

Making ingot molds of magnesium-inoculated cupola cast iron without heat treatment. N. A. Nikolaenko and others. Met. i gornod. prom. no. 2:57-58 Mr.-Ap '67.

Manufacture and strength of ingot molds of blast furnace-smelted, magnesium treated, conversion cast iron. I. G. Nikolaenko and others. Met. i gornod. prom. no. 2:58-61 Mr.-Ap '67.

Production and use of briquets obtained by hot briquetting in smelting of cast iron. B. A. Noshkov, S. I. Tziferman. Tr. vuz. uch. i nauch. zhurn. no. 3:127-133 My '67.

Remote control of the process of inoculating cast iron with magnesium in an autoclave. A. A. Samarin and others. Lit. proizv. no. 1:10-11 Ap '67.

Structure and properties of blast furnace foundry cast iron produced by various metallurgical plants. L. L. Levi, I. U. G. Seleznev. Lit. proizv. no. 1:25-26 Ap '67.

CAST IRON—TESTING

Wear resistance of cast iron with spheroidal graphite after isothermal surface hardening working with and without lubrication. K. A. Savitskiy. Tr. vuz. uch. i nauch. zhurn. no. 1:64-67 My '67.

CAST IRON—WELDING

Reconditioning of iron castings by electric-arc welding. I. A. S. Genkin, N. A. Potapova. Sva. i plov. no. 3:37 Mr '67.

CAST STONE see Stone, Cast

CASTLE see subdivision under India

CASTING CONTINUOUS see Continuous casting

CASTOR BEAN—HARVESTING

Widened platform of a reaper for castor bean harvesting. V. Kosikhin, I. A. Smokov. Tr. vuz. uch. i nauch. zhurn. no. 6:78-79 My '67.

CATALYSIS

Catalysis in the thermal decomposition of silver oxide. M. M. Dubinin, O. Kadets, V. Pomec. Kln. i kat. 8 no. 2:292-298 Mr.-Ap '67.

Catalytic activity of alkali metal ions in the oxidative dissolution of diamond. A. P. Rudenko, I. I. Kulakova. A. A. Balandin. Kln. i kat. 8 no. 2:275-282 Mr.-Ap '67.

Catalytic activity of cerium oxide toward the reactions of dehydrogenation and dehydration of alcohols and dehydrogenation of tetralin. A. A. Balandin, A. A. Tolstopyatova, V. A. Naumov. Kln. i kat. 8 no. 2:383-388 Mr.-Ap '67.

Catalytic dehydrogenation of isopentane at reduced pressure. O. D. Steglov, T. G. Olferteva. Kln. i kat. 8 no. 2:168-170 Mr.-Ap '67.

Catalytic hydroxylation of the organosulfur impurities of coke-oven gas. I. P. Ivanovskii, G. S. Bekova, V. A. Donskova. Khim. prom. 42 no. 11:45-46 N '66.

Catalytic isomerization of cyclohexene on aluminum oxide. Part 2. Isomerization of 1-methyl-3-cyclohexene and 1-ethyl-1-cyclopentene. A. A. Kubanov, I. V. Smirnova, K. V. Topchikova. Kln. i kat. 8 no. 2:351-356 Mr.-Ap '67.

Catalytic oxidation of propylene on silver. Part I: Use of catalysts containing no additives. L. M. Kaliberov and others. Kln. i kat. 8 no. 2:463-465 Mr.-Ap '67.

Configurational correlations in asymmetric catalysis. I. I. Kabanovskii. Dokl. AN SSSR 173 no. 6:1378-1381 Ap '67.

Diffusion phenomena in heterogeneous catalysis. T. K. Shervud. Teor. osnovy khim. tekhn. 1 no. 1:17-30 Ja-F '67.

Effect of the size of particles on the activity of catalysts in the process of hydrocracking. I. A. R. Katsagashvili, N. V. Sidorova, Zhur. prikl. khim. 40 no. 3:627-631 Mr '67.

Kinetics regularities of radiation-induced chemisorption of oxygen on γ -Al₂O₃ surface. I. U. Kolbasovskii, M. N. Moserova. Kln. i kat. 8 no. 2:300-315 Mr.-Ap '67.

Relationship between shift of the catalyst potential and reaction rate in the processes of liquid-phase hydrogenation. Part 3. Quantitative evaluation of the activity of hydrogenation catalysts. V. A. Druzh. Kln. i kat. 8 no. 2:344-350 Mr.-Ap '67.

Use of rare earth oxides in catalytic synthesis. I. E. Soanina, E. P. Demidova, M. B. Tsvetova-Poljak. Vest. Mosk. un. Ser. 2: Khim. 22 no. 2:94-97 Mr.-Ap '67.

CATALYSIS—CONGRESSES

Second International Symposium on Chemistry and Biology of Pyridoxal Catalysts. O. L. Polonovskii. Usp. sov. biol. 63 no. 2:316-318 Mr.-Ap '67.

CATALYSTS
 Effect of the concentration of the catalyst on the rate of the reaction of the oxidation of ethyl alcohol by potassium dichromate. *Izv. Vses. ucheb. zav. elektromekh.* no. 154-35 Ja '67.

CATHODIC PROTECTION—BOUNDARY VALUE PROBLEMS
 Boundary value problems of cathodic protection of metal structures. *IN Kholanovskii. Nauk. i tekhn. zh.* no. 5:16-25 '66.

CATHOLIC CHURCH
 (see also subdivision under Lithuania)
 Catholicism is serving reaction. *S. Laurinaitis. Agitator.* no. 5:30-33 Mr '61.

CATS
 Comparative craniofacial characteristics of wild cats in the U.S.S.R. *N. K. Vereshchagin. Zool. zhurn.* 46 no. 4:587-599 Ap '67.

CATTLE—DISEASES AND PESTS see subdivision under Kazakhstan, Kzyl Orda Province

CATTLE—FEEDING AND FEEDS
 Effect of the rate of feeding beet pulp on the digestibility and weight gain of young cattle in fattening. *P. S. Pashennina. Vest. sel'khoz. nauki [Kazakh].* 10 no. 5:106-110 My '67.
 Meat factories are to grow. *R. Volodina. Zakup. sel'khoz. prod.* no. 5:31-34 My '67.
 Preparation of feeds on cattle farms. *S. N. Gumenko. Trudy TSU i MTSK.* 1:283-291 '64.

CATTLE—PHYSIOLOGY see subdivision under Kazakhstan

CAUCASUS—CHESTNUT
 Chestnut of the Caucasus. *V. Z. Gulisashvili. Priroda.* no. 4:66-67 Ap '67.

CAUCASUS—GEOLOGY, STRATIGRAPHIC
 Stratigraphy and paleogeography of Cretaceous sediments of the eastern Caucasus and adjacent areas of the Volga-Ural region. *Stratigrafiya i paleogeografiya melovykh otlozhenii Vostochnogo Kavkaza i prilozhenskikh rai-onov Volgo-Ural'skoi oblasti. Moskva, Nauka, 1967, 135 p.*

CAUCASUS—OIL WELL DRILLING
 Using single-cone bits in drilling oil and gas wells in the Caucasus. *A. V. Zubarev, T. Kh. Sarkis'iants, I. U. P. Trofimenko. Burenie.* no. 4:3-8 '67.

CAUCASUS—PALEONTOLOGY, STRATIGRAPHIC
 Nutsulidze, K. Sh. [Lower Jurassic fauna of the Caucasus] *Nizhnemelovskaya fauna Kavkaza. Tbilisi, Metsnereba, 1968, 211 p. illus. (Akademiya nauk Gruzinskoi SSR. Geologicheskii institut. Trudy, no. 8).*

CAUCASUS—PETROLOGY
 Hornblende and albite in ultrabasic and basic rocks of the ophiolite formation of the Lesser Caucasus. *R. K. Gasanov. Dokl. AN Azerb. SSR.* 23 no. 1:22-27 '67.

CAUCASUS—PLAGUE—MICROBIOLOGY
 Present-day area of the pathogen and the history of the formation of natural foci of plague in the Caucasus. *M. P. Kozlov. Zhur. mikrobiol., epid. i immun.* 44 no. 5:40-47 My '67.

CAUCASUS—PLANTS, EFFECT OF MINERALS ON
 Biology absorption capacity of hornbeam, beech, oak and yew at the southeastern range of the forest zone of Greater Caucasus. *Kh. N. Gasanov. Dokl. AN Azerb. SSR.* 23 no. 1:55-58 '67.

CAUCASUS—SOIL AERATION
 CO₂ dynamics in soil and gas exchange as affected by different forest trees of Lesser Caucasus. *E. F. Sharifov, I. I. Mekhralliev. Izv. AN Azerb. SSR. Ser. biol. nauk.* no. 6:98-92 '66.

CAUCASUS—SOIL TEMPERATURE
 Temperature conditions of gray forest soils in the piedmont of the northwestern Caucasus. *N. A. Buznadaev. Pochvovedenie.* no. 4:121-131 Ap '67.

CAUCASUS, NORTHERN—AGRICULTURE
 From the work experiences of the party organization of Northern Caucasus on the disposition of Communists in agriculture, 1953-1958. *A. M. Musaev. Vop. ist. KPSS.* II no. 6:74-83 Je '67.

CAUCASUS, NORTHERN—ANTHROPOLOGY
 A session discussing the problem of the ethnic origin of the Ossetes. *I. M. Mitzlev. Sov. arkhcol.* no. 2:286-298 '67.

CAUCASUS, NORTHERN—GEOLOGY, STRATIGRAPHIC
 Beznosov, N. V. [Bajocian and Bathonian sediments of the Northern Caucasus] *Balosskie i baskie otlozhenia Severnogo Kavkaza. Moskva, Nedra, 1967, 178 p. (Vsesoluznyi nauchno-issledovatel'skii institut prirodnykh gazov. Trudy, no. 28/38).*

CAUCASUS, NORTHERN—GEOLOGY, STRUCTURAL
 Some regularities in the relationship between structural plans of local uplifts in eastern Caucasus in Paleogene and Mesozoic sediments. *V. D. Tatalayev, V. L. Galin. Izv. vys. ucheb. zav. nefte' i gaz.* 10 no. 4:21-21 '67.

Structure of basement of western part of Caucasian Platform based on electromagnetic data. *I. P. Moturevich and others. Geol. nefte' i gaz.* II no. 5:32-36 My '67.

CAUCASUS, NORTHERN—LABOR AND LABORING CLASSES
 The labor movement in Northern Caucasus during the first Russian revolution. *M. Shikhmudinov. Izh. zap. IIAL. Dag.* III AN SSSR. 10:22-66 '62.

CAUCASUS, NORTHERN—MIDDLE AGES
 The "silk route" in the Northern Caucasus during the Middle Ages. *A. A. Ierusalimskaya. Sov. arkhcol.* no. 2:55-78 '67.

CAUCASUS, NORTHERN—MOSQUITOES
 Occurrence of *Aedes pallatus* Coq. (Diptera, Culicidae) in mountain districts of Northern Caucasus. *V. P. Shukla. bina. Zool. zhurn.* 46 no. 4:628-629 Ap '67.

CAUCASUS, NORTHERN—OILSEED INDUSTRY
 Production of vegetable oil in small enterprises of the Northern Caucasus. *I. P. Kolpakov, V. M. Gupenko, L. A. Kolosova. Mash. i zh. prom.* 33 no. 1:9-14 Ap '67.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY
 Effect of clayiness of reservoir rock on changes of petroleum properties, as exemplified by western Caucasus. *T. A. Botneva, N. S. Shulova. Geol. nefte' i gaz.* II no. 5:20-23 My '67.

CAUCASUS, NORTHERN—PETROLEUM RESEARCH
 Petroleum Research Institute in Northern Caucasus. *G. Gorin. Izv. vys. ucheb. zav., nefte' i gaz.* 10 no. 11:42 '66.

CAUCASUS, NORTHERN—ROAD CONSTRUCTION
 At a project under final stages of construction. *I. K. Avt. dor.* 30 no. 1:3 Ms '67.

CAUCASUS, NORTHERN—ROCKS—ELASTIC PROPERTIES
 Quick methods for determining fatigue strength of argillaceous rocks. *E. I. Stetsukha. Izv. vys. ucheb. zav., nefte' i gaz.* 10 no. 4:28-32 '67.

CAUCASUS, NORTHERN—TEXTILE FABRICS
 The "silk route" in the Northern Caucasus during the Middle Ages. *A. A. Ierusalimskaya. Sov. arkhcol.* no. 2:55-78 '67.

CAUCASUS, NORTHERN—WATER, UNDERGROUND
 Evaluation of the natural resources of underground waters in the Ferek-Kuma artesian basin. *R. G. Dzhu-maev, G. P. Kolesov. Trudy GGI.* no. 110:135-157 '67.

CAVES see subdivision under Georgia

CAVITATION
 Advantages of flow from nozzles with insertion of an air tube. *V. I. Izakson, E. A. Simev, V. D. Kuchumov. Fiz. i tekhn. probl. razrab. pol. iskop.* no. 1:110-118 Ja '67.

Determining the coefficient of resistance of symmetric bodies in case of a zero number of cavitation. *V. I. Karlikov, G. I. Sholomovich. Izv. AN SSSR. Mekh. zhidk. i gaz.* no. 2:80-89 Mr-Apr '67.

Induced cavitating flow beyond a thin wedge put on the lower surface of a horizontal wall. *A. A. Butuzov. Izv. AN SSSR. Mekh. zhidk. i gaz.* no. 2:83-87 Mr-Apr '67.

Some results of the operation of supercavitating propellers. *V. M. Ivchenko. Sudost. i mor. soor.* no. 2:45-48 '66.

Studying the applicability of ultrasonic vibrations for the removal of surface contaminations of silicon carbide grains. *N. G. Semenova. Akust. i ultrazv.* no. 2:51-55 '66.

CECUM—DISEASES
 Character of contractions and the rate of the advancement of chyme in the small intestine following consumption of different types of food under normal conditions and in pathological states of the cecum and ileum. *V. A. Hubkin. Fiziol. zhur. [Ukr.]* 13 no. 3:338-343 My-Ju '67.

CEDAR
 Acclimatization of *Cedrus deodara* Loud. in the Odessa Botanical Garden. *I. V. Tachenko, V. M. Shpakova, N. I. Sokolova. Ukr. bot. zhurn.* 24 no. 3:88-91 My-Je '67.

CELESTIAL MECHANICS see Mechanics, Celestial

CELIAC ARTERY
 Selective angiography of the celiac artery in the diagnosis of a tumor of the pancreas. *Kh. D. Kulieva and others. Azerb. med. zhur.* 44 no. 1:78-81 Ja '67.

CELL DIVISION (BIOLOGY)

Occurrence of asynchronism and change in nuclear division rhythm during blastulation E V Chilikina. Dokl. AN SSSR 173 no 6:1473-1476 Apr '67

CELL DIVISION (BIOLOGY)—MATHEMATICAL MODELS

Study of trigger systems and differentiation processes I V Gigerov, M S Polukova, D S Chernavskii. Mol. Biol. 10 no 3:410-418 May-June '67

CELL NUCLEI

Quantitative determination of nucleic acids in isolated cell nuclei of the thymus gland K I Dancheva. Vop. red khim. 13 no 3:320-322 May-June '67

CELLS

Free radicals processes in cell organelles of irradiated animals, IU P Kozlov, V S Danilov, A S Arkhipov. Nauch. dokl. vys. shkoly. biol. nauk. 10 no 1:64-68 '67

Stimulirovaniye, K. A. [Effect of ultraviolet irradiation on cells] Del'stiye ul'trafioletovoi radiatsii na kletku. Leningrad, Nauka, 1967. 143 p.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE

Effect of initiation conditions on polymerization degree of graft polyacrylonitrile and conversion degree of cellulose in the synthesis of graft polymers of cellulose-alginate monomer vapors in the presence of ammonium persulfate B P Moiseyev, R M Livshits, Z A Rogovin, Vysokom. seed Ser. A 9 no 4:857-862 Apr '67

Effect of the supermolecular structure of cellulose on its solubility during carboxymethylation G A Petrov, G A Loshchik, I P Tsytyachuk, T N Ikonova, Zhur. prikl. khim. 40 no 3:648-652 May '67

Effect of the type of the relationship between the antimicrobial preparation and the functional groups of the cellulose macromolecule on the antimicrobial properties of tissue A D Vukobratovic, Zhur. prikl. khim. 40 no 3:648-652 May '67

Synthesis of anionic cellulose derivatives of cellulose, F M Akhmedov, I S Galbraith, Z A Rogovin. Izv. vuzov. khim., zav., khim. i khim. tekhn. 10 no 2:216-219 '67

Temperature dependence of the heat capacity of cellulose fibers F Z Fainberg, N V Mikhailov, Vysokom. seed Ser. A 9 no 4:920-926 Apr '67

CELLULOSE—ELECTRIC PROPERTIES

Effect of the composition of wood cellulose on its dielectric properties, L K Borodulina and others. Trudy LPI no 276:3-8 '67

CELLULOSE ACETATES

Effect of plasticizers on the oxidative destruction of cellulose butyrate acetates L N Malinin, K P Gavrilov, S V Vinogradov. Izv. vuzov. khim. i khim. tekhn. 10 no 3:346-348 May '67

Fractionation of the homogeneity of cellulose acetate solutions M A Kalitov, Plast. massy no 5:63-64 '67

CELLULOSE ESTERS

Synthesis of cellulose sulfates, T V Vladimirova, L S Galbraith, Z A Rogovin. Izv. vuzov. khim., zav., khim. i khim. tekhn. 10 no 3:346-348 May '67

CELLULOSE ESTERS—SPECTRA

Infrared absorption spectra of furanose and cinnamates of cellulose IU P Putiev, S T Shaposhnikova, IU T Tashpulatov, Vysokom. seed Ser. A 9 no 4:926-931 Apr '67

CEMENT INDUSTRIES

(see also subdivision under Uzbekistan)

Mineral powder made of the waste of cement production, R A Nemilovskii. Avi. dor. 30 no 5:25 May '67

CEMENT INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Vologda Province

CEMENT KILNS—RELIABILITY

Increasing the reliability and durability of the chain gases of rotary cement kilns, IU N Kalugin, O A Neuvizhskii, V N Sorokin. Stroitel. i dor. mash. 12 no 2:20-30 '67

CEMENT PLANTS

Russk. (U.S.S.R.) Ministerstvo promyshlennosti stroitel'nykh materialov. [Regulations for the technical exploitation of cement plants] Pravila tekhnicheskoi eksploatatsii tsementnykh zavodov. Moskva, Stroizdat, 1967. 251 p.

CEMENTATION (METALLURGY)

Mercury cementation by anionomers from alkali sulfide solutions, I R Polyviannyi, L N Sysoev. Trudy Inst. met. i obog. AN Kazakh SSR 21:56-58 '67

Studying the rate of indium cementation by aluminum from sulfide alkali solutions, I R Polyviannyi, V I Maslov. Trudy Inst. met. i obog. AN Kazakh SSR 21:63-64 '67

CEMENTITE

Deformation and failure of cementite, A A Baanov, O I Tomichev. Dokl. AN SSSR 174 no 1:71-72 May '67

CENTAUREA see subdivision under Crimea

CENTRAL AMERICA—CLIMATE

Kodra, O D. [Climatic features and characteristics of the climate of Central America and the West Indies] Klimaticheskie zakonomenosti i kharakteristika klimata Tsentral'noi Ameriki i Vost-Indii. Leningrad, Gidrometizdat, 1967. 186 p. (Leningrad, Glavnaia geofizicheskaya observatoriya. Trudy, no. 212)

CENTRAL AMERICA—FRUIT TRADE

Iaroshevskii, B. L. [The green monster] Zelenoe chudovishche. Moskva, Politizdat, 1967. 69 p. (Vladyski kapitalisticheskogo mira)

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM REGION—FOREST SOILS

Floodland forest soils in the southeast of the Central Chernozem Region, B P Akhlyatsev. Pochvovedenie no 5:22-36 May '67

CENTRAL INDUSTRIAL REGION—AGRICULTURE—ECONOMIC ASPECTS

Peasant economy of the Central Industrial Region on the eve of the First World War P L Shul'pin. Uch. zap. GGPiIA no 28:38-73 '66

CENTRALIZED AUTOMATIC CONTROL SYSTEMS

Determining the number of transducers of automatic centralized information measuring systems R A Davonov. Izv. AN Uz. SSR. Ser. tekhn. nauk. 11 no 3:16-18 '67

CENTRIFUGES

Recoiling press centrifuge for fractional extraction of water and water-soluble substances from plant and animal tissues, G V Lubedev. Fiziol. iast. 14 no 3:555-558 May-June '67

CEPHEIDS

Five variables of the RR Ly type T G Nikulina. Biol. Inst. astrofiz. AN Tadzh. SSR no 46:15-24 '66

CERAMIC MATERIALS

Using ceramic metal parts in machinery V S Vaskovskii. Stroitel. i dor. mash. 12 no 1:33-35 Jan '67

CERAMIC MATERIALS—CORROSION

Corrosion of insulating ceramic materials in high-temperature heat carriers P P Budnikov, F A Kharitonov, S V Anisimova. Zhur. prikl. khim. 40 no 3:549-555 May '67

CERAMIC METALS

Sintering of glass-metal materials, I D Radomyslovskii, N I Shecheban'. Porosh. met. 7 no 5:36-39 May '67

Studying machinability of bronze-graphite, A A Ariamov, M M Mal, V I Kononenko. Porosh. met. 7 no 5:98-101 May '67

Studying wear resistance of ceramic metal knuckle ball bushings of automobile steering rods, I I Edel'man and others. Porosh. met. 7 no 5:59-66 May '67

CERAMIC METALS—BRAZING

Brazing of metal contacts, R I Pridan, L M Semilenko, Svi. proizv. no 5:41 May '67

CERAMIC METALS—METALLOGRAPHY

System W - V - SI, E I Gladyshevskii and others. Porosh. met. 7 no 5:85-88 May '67

CERAMIC METALS—PERMEABILITY

Preparing porous products of high-melting oxides and studying their gas permeability, V F Zamenonets, V M Greshova. Porosh. met. 7 no 5:53-58 May '67

CERAMIC METALS—PRICES

Cost, quality and prices of hard alloy products, E L Gurevich, E L Rutenberg, V A Savolichuk. TSvet. met. 40 no 4:80-82 Apr '67

CERAMIC METALS—TESTING

Change in compactness and coefficients of transverse deformation of hard alloys, V M Pelopelin. Porosh. met. 7 no 5:108-110 May '67

CERAMICS

Dobrovolskii, A. G. [Slip casting] Shikernoe lit'e. Moskva, Metallurgiya, 1967. 173 p.

CERATOPOGONIDAE see subdivision under Turkmenistan

CEREBRAL CORTEX

Activity of neurons of somatosensory cortex in local poisoning with strychnine, V M Storozhuk, N I Perinova, Fiziol. zhur. 53 no 5:478-487 May '67

Analysis of hypothalamic influence on mono- and polysynaptic potentials of the spinal cord and on electrocorticogram, O G Baklavandzhian, T K Kiprian, Fiziol. zhur. 53 no 5:500-513 May '67

Changes in some cortical-subcortical relationships in artificial hypothermia, TS Sh. Dzhanlidze. Soob. AN Gruz. SSR 46 no 1:235-242 Apr '67

Characteristics of the electric activity and steady potential of the cerebral cortex in states of sleep and wakefulness in infants aged 3 - 12 months, M N Akhund. Biol. eksp. biol. i med. 63 no 6:1-8 June '67

Cortical regulation of functions of the reticular formations of the brain S P Naryashvili. Usp. sov. biol. 52 no 3:257-273 May '67

Effect of excitation of different regions of the cerebral cortex on the absorption of lipids in the gastrointestinal tract, R O Faltel'berk, L P Nykiforova. Fiziol. zhur. [Ukr.] 13 no 3:332-337 May-June '67

Some methods of studying the functions of the cortical portion of the auditory analyzer, T A Karaseva. Vop. psikh. 13 no 2:66-70 May-Apr '67

CEREBRAL CORTEX—BLOOD SUPPLY

Effect of carbon dioxide on platelets supplying blood to the cerebral cortex L S Nikol'shchikov. Soob. AN Gruz. SSR 16 no 2:483-490 May '67

CEREBRAL ISCHEMIA

Disorders of cerebral blood circulation in stenosis of the internal carotid artery in the cervical region, V I Lerman. Vop. neirokhir. 31 no 2:5-8 May-Apr '67

CEREBROSPINAL FLUID

Changes in cerebrospinal fluid and venous pressure in penetrating craniocerebral experimental trauma, N M Chebotareva, V P Vovk. Vop. neirokhir. 31 no 2:25-30 May-Apr '67

CERIUM

Effect of cerium on abrasive wear resistance of manganese cast iron A N Volkov, S Teshayev. Dokl. AN Tadzh. SSR 10 no 4:59-61 '67

CESIUM IODIDE CRYSTALS—OPTICAL PROPERTIES

Optical properties of cesium iodide crystals with alkali metal impurities, A N Panova, N V Shiran, Izv. AN SSSR, Ser. fiz. 31 no 5:859-862 May '67

CESIUM OXIDES—THERMAL PROPERTIES

Enthalpy and heat capacity of yttrium sesquioxide and cerium dioxide at high temperatures, T S Iashvili, D Sh Tsagaridze, G G Gvetseloni. Soob. AN Gruz. SSR 46 no 2:109-113 May '67

CESTODA

Case of detection of eggs of *Hymenolaps nana* (Stebold, 1852) in brain hemispheres of brown rat *Rattus norvegicus*, B A Asan'kov. Med. parazit. i paraz. bol. 36 no 3:353-354 May-June '67

CEYLON—POSTAGE STAMPS

Rice and water O. Pleshev. Az. i Af. seg. 10 no 6:60 June '67

CHAINS (MATHEMATICS)

Problem of finding chains of maximum length, V S Aizenshtat, D N Kravchuk. Dokl. AN BSSR 11 no 4:306-309 Apr '67

CHALCID FLIES see subdivision under Moldavia

CHALCOPYRITE see subdivision under Daghestan

CHARDZHOU REGION—GEOLOGY, STRUCTURAL

Results of seismic prospecting operations in Chardzhou oil- and gas-bearing region, V P Lupanov, V V Ogorodnikov, V A Tepilitkii. Trudy VNIGI no 49:167-170 '66

CHARDZHOU REGION—SEISMIC PROSPECTING

Results of seismic prospecting operations in Chardzhou oil- and gas-bearing region, V P Lupanov, V V Ogorodnikov, V A Tepilitkii. Trudy VNIGI no 49:167-170 '66

CHARITABLE USES, TRUSTS, AND FOUNDATIONS

Pension and charity funds in the credit system of capitalism A Ankin, G Ponomarenko. Den. i kred. 25 no 5:62-80 May '67

CHARSHANGA DISTRICT—EXCAVATIONS (ARCHAEOLOGY)

Archaeological studies in Charshanga District, A M Mandel'shtam. Izv. AN Turk. SSR, Ser. obshchestv. nauk. no 1:21-31 '67

CHASOV YAR REGION (UKRAINE)—FIRECLAY

Technology of producing ladle brick from semiclad clays, S I Sheglov, V A Katsalk, V A Sazhin. Ogneupoy 32 no 5:3-7 '67

CHATKAL RANGE—ADAMELLITE

Some geological and petrographical characteristics of the adamellites of the central part of the Chatkal Range, Z A Udalevich. Dokl. AN Uz. SSR 23 no 8:30-41 '66

CHECHEN-INGUSH A.S.S.R.—GAS, NATURAL—ANALYSES

Geochemical characteristics of Upper Cretaceous petroleum and gases in the Chechen-Ingush A.S.S.R. A V. Merkulov. Geol. nefti i gaza 11 no 5:16-20 May '67

CHILDREN

Let's only, an article dedicated to the International Day of Child Protection. Agitator 35 no 10 60 '67

The little friend of the adult. Semia i shkola 22 no 12-13 '67

CHILDREN—CARE AND HYGIENE

Domestic poisoning with drugs in children. E.Z. Biondina, F. V. L. S. Sud-med. ekspert 10 no 3 26-27 '67

[Health of the child] Zdorov'e rebenka. Alma-Ata, Kazakhskoe gos. izd-vo, 1963 301 p illus

CHILDREN—LAW

Committees on Youth and the protection of the adolescent's labor rights. L. Smirnova. Sov. prav. 71 no 9 17-18 '67

CHILDREN—MANAGEMENT

Confession and Luke. I. O. Chumakov. Semia i shkola 22 no 3 40-47 '67

Consultation reader of "Semia i shkola". Semia i shkola 22 no 5 15 '67

Let him do it alone. L. Shirinova. Semia i shkola 22 no 5 17 '67

When the most important is forgotten. G. Mogilevskaia. Semia i shkola 22 no 5 46-47 '67

When you respect a child. M. Chernetsova. Semia i shkola 22 no 5 14-15 '67

CHILDREN—MEDICAL EXAMINATIONS see subdivision under Leningrad

CHILDREN—SURGERY

Hypnosis in the compound treatment of some surgical diseases in children. S. A. Doletskii, S. V. Shulman. Vest. khir. 98 no 4 108-112 '67

CHILDREN AND TELEVISION see Television and children

CHILDREN'S LITERATURE—HISTORY AND CRITICISM

Children's literature. March of the centuries. B. Entin. V mire knig no 3 36-37 '67

CHILDREN'S MUSEUMS

(see also subdivision under Buda-Koshelovo, White Russia, Kerch)

Educational role of school museums of battle glory. Z. G. Tsyrnerova. Rad. shkol. 46 no 5 22-26 '67

CHILDREN'S PLAYS—PRESENTATIONS, ETC.

Gozennud, A. N. [Central Children's Theater, 1936-1961]. Tsentral'nyi detskii teatr, 1936-1961. Moskva, Nauka, 1967. 305 p.

CHILDREN'S POETRY—HISTORY AND CRITICISM

Rassadin, S. B. [Thus one begins to live by verse, a book about poetry for children]. Tak nachinali zhit' stikhom, kniga o poezii dlia detei. [Moskva, Detskaya lit-ra, 1967] 316 p. (Dom detskoi knigi)

CHIMSHLIYA DISTRICT—FALL WEBWORM—EXTIRMINATION

Measures taken. N. N. Radchenko. Zashch. rast. 12 no 5:50 '67.

CHIMKENT—PHOSPHATE INDUSTRY—BY-PRODUCTS

There is a need for comprehensive method. S. Suleimenov, M. Sharafiev. Nar. khoz. Kazakh. 5 no 70-71 '67

CHIMKENT—TIRES, RUBBER—RETRADING AND RECAPPING

There is a serious test ahead. B. Fishman. Nar. khoz. Kazakh. 5 no 5:18-19 '67.

CHIMKENT—WAGES—CONSTRUCTION INDUSTRY

There are no incentives for high quality. K. Mekhanoshin. Nar. khoz. Kazakh. 5 no 60-70 '67

CHINA—ECONOMIC POLICY

Social and economic course of the Mao Tse-tung group and the working class in China. A. Rumianisev, A. Sterbalova. Mir. ekon. i mezhdunar. otn. no 6 30-44 '67

CHINA—FOREIGN RELATIONS—UNITED STATES

Behind the back of fighting Vietnam. I. Andronov. Nov. vrem. 25 no 26 10-12 '67

Negotiations between the ambassadors of the Chinese People's Republic and the United States. G. Anslin. Mezhdunar. zhizn' 14 no 6:156-158 '67.

CHINA—LABOR AND LABORING CLASSES

The Chinese working class and its struggle. T. Akatova. Az. i Afr. seg. 10 no 8:20-22 '67.

Social and economic course of the Mao Tse-tung group and the working class of China. A. Rumianisev, A. Sterbalova. Mir. ekon. i mezhdunar. otn. no 6 30-44 '67.

CHINA—NATIONALITIES

The nationalities problem in the Chinese People's Republic and its chauvinistic perversion. L. Sergeev. Agitator 35 no 11:55-58 '67

CHINA—POLITICS AND GOVERNMENT

The nationalities problem in the Chinese People's Republic and its chauvinistic perversion. L. Sergeev. Agitator 35 no 11:55-58 '67

Where is China going? (to be continued). R. Palme Dutt. Nov. vrem. 25 no 21 26-28 '67

Where is China going? (conclusion). R. Palme Dutt. Nov. vrem. 25 no 24:27-31 '67.

CHITA PROVINCE—AGRICULTURE

Behind closed doors. V. Gusev. Part. zhizn' no 11 68 '67

CHITA PROVINCE—THEATER

The heights cannot be surrendered. I. U. Goldsman. Sov. voln. 49 no 11 33 '67

CHITIN

Isolation and purification of lysozyme by fractionation in chitin-containing column. I. A. Cherkasov, N. A. Kravchenko, F. D. Kaverzova. Mol. biol. 1 no 1 41-46 '67

Study of the relationship between the formation of enzyme-substrate complex of lysozyme with chitin and the conditions of environment. I. A. Cherkasov, N. A. Kravchenko. Mol. biol. 1 no 3:381-390 '67

CHKALOV see Orenburg

CHKALOV PROVINCE see Orenburg Province

CHLORAL

Effect of anesthesia on the biochemical indices of the blood of sheep fed trace elements. E. F. Dymko. Vest. sel'khoz. nauk. [Kazakh] 10 no 5:102-105 '67

Phosphorylated chloral semiacetals and some of their derivatives. L. V. Antokhina, P. I. Alimov. Izv. AN SSSR Ser. khim. no 5 1161-1163 '67

CHLORAMIDE

α -N-dichloroammonitriles. A. M. Pinchuk and others. Zhur. ob. khim. 37 no 4:852-855 '67

Electron diffraction study of the structure of chlorodifluoramine molecule. L. V. Vilkov, I. I. Nazarenko. Zhur. strukt. khim. 8 no 2 346-348 '67

CHLORIDES

Determination of pressure and composition of vapor in the system SnCl_4 - KCl . N. V. Karpenko. Vest. LGU 22 no 4 78-84 '67

Determination of the transfer numbers of lithium ions in aqueous solutions of a mixture of lithium and copper chlorides. E. A. Kalmakov, N. L. Varshevskaya. Elektrokhimia 3 no 5:558-562 '67

Thermodynamic functions of the formation of solutions CaCl_2 - H_2O , NaCl - H_2O , and CaCl_2 - NaCl - H_2O . L. S. Litke, M. E. Mogilev. Vest. LGU 22 no 4 85-93 '67

CHLORIDES IN THE BODY

Ways and mechanism of the decrease of chlorides in acute experimental intestinal obstruction (dynamics of chlorides in tissues). S. E. Kuminikii, Kln. khir. no 3:31-36 '67

CHLORINATION

Effect of mixing on mass transfer in the chlorination of the magnesium oxide suspension in a chloride fusion. A. I. Teretevkov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no 2 248-249 '67

Photochemical chlorination of dimer trichlorophosphazene alkyls and their fluorination by metal fluorides. B. S. Diach, I. N. Zhmurova. Zhur. ob. khim. 37 no 4:862-865 '67

Reducing chlorination of vanadium pentoxide. I. A. Glukhov, A. Tursunov. Dokl. AN Tadzh. SSR 10 no 2: 35-38 '67

CHLORINE

Homolytic rearrangement with 1,2-migration of chlorine in the process of polymerization of trihalopropenes. A. P. Suprun and others. Dokl. AN SSSR 173 no 6:1356-1359 '67

CHLORINE ISOTOPES—SPECTRA

Low-lying levels of Cl^{37} nuclei. I. U. P. Ievlev and others. Izv. AN SSSR Ser. fiz. 31 no 4:645-649 '67

Quantum characteristics of 3.01 and 2.65 Mev. levels of the Cl^{35} nucleus. E. G. Kopanets and others. Izv. AN SSSR Ser. fiz. 31 no 4:631-636 '67

CHLORITES

Marker beds of chlorite-kaolinite rocks in section of terrigenous Devonian of Perm Province. L. I. Gorbunova. Trudy VNIIGM no 5:110-119 '68

CHLOROMYCETIN

Effect of chloramphenicol on RNA synthesis in bacteria adsorbing phage shells. E. I. Golub, V. G. Nazarenko, V. V. Smolnitsinov. Mikrobiologiya 36 no 2:294-297 '67

Self-assembly of ribosome-like particles in vitro from chloromycin particles and certain fraction of ribosome protein. M. I. Lerman and others. Mol. biol. 1 no 12:16 '67

CHLOROPHOS

Colorimetric determination of residual quantities of chlorophos in some crop products. I. A. Stepanovskaya, I. I. Pashkovskaya. Khim. v sel'khoz. 5 no 6:1-10 '67

Compound treatment of sugar beets. N. G. Beifman, O. M. Grishakova. Zashch. rast. 12 no 5:11-12 '67

CHLOROPHOS—TOXICOLOGY

Duration of the toxic effect of chlorophos on the shield bug Eurygaster integriceps and the residues of the preparation in wheat. G. F. Vylgzhannina, E. I. Pavlovskaya. Khim. v sel'khoz. 5 no 5:26-27 '67

CHLOROPHYLL

Changes in chlorophyll a and b in ontogeny of leaves. M. N. Chelashvili. Fiziol. diav. rast. no 2 48 '67

Comparative study of fluorescence quenching of chlorophyll and its analogs in solutions and chloroplasts. N. N. Drozdova, A. A. Krasnovskii. Mol. biol. 1 no 1 395-409 '67

Effect of light on the photophosphorylation of chlorophyll and its analogs. E. V. Pakshina, M. I. Bystrava, A. A. Krasnovskii. Mol. biol. 1 no 1 151-163 '67

Effect of trace elements on the chlorophyll content and the strength of the chlorophyll-protein-lipid complex of cotton during its early stages of development. D. Kh. Khodzhaev. Dokl. AN Uz. SSR 23 no 7 61-63 '68

Nature of obtaining chlorophyll from cells of *Parthenocarpis* by low-polarity solvent. A. A. Baranova, A. A. Shlyk. Vest. AN BSSR Ser. biol. nauk. no 7 11-51 '67

Photoreduction of methylviologen, sensitized by chlorophyll and its analogs, use of cytochrome and chlorophyll as electron donors. G. P. Brin, A. N. Luganskaya, A. A. Krasnovskii. Dokl. AN SSSR 174 no 1:21-24 '67

Study of aggregated forms of chlorophyll and its analogs in relation to structural characteristics of pigment molecules. M. I. Bystrava, A. A. Krasnovskii. Mol. biol. 1 no 3:362-372 '67

CHLOROPHYLLASE

Chlorophyllase activity in relation to protochlorophyll. M. H. Holod. Ukr. biol. zhur. 21 no 3 3-7 '67

CHLOROPHYLLIDE

Relationship between the rate of protochlorophyllide transformation into chlorophyllide and the intensity of light. T. N. Godnev, V. I. Raskin, V. L. Kolesi. Dokl. AN SSSR 174 no 1:225-226 '67

CHLOROPRENE

Polymerization of chloroprene under the effect of butyllithium-base complex catalysts. I. G. Krasnoper'skaya, B. L. Eusimskii. Vysokom. soed. Ser. A 10 no 4:851-856 '67

CHLOROPRENE—TOXICOLOGY

Content of histamine and the activity of histaminase in the blood of workers in chlorine-chloroprene polymerization. E. I. Gasparian. Zhur. eksp. i klin. med. 7 no 1:93-10 '67

CHLOROSE (PLANTS)

Calcium compound content in grapevine as related to chlorosis. D. L. Giorgobiani. Fiziol. diav. rast. no 2 17-25 '66

Role of carbonates and bicarbonates in grapevine chlorosis. E. G. Mikeladze, E. A. Makarovskaya. Fiziol. diav. rast. no 2:57-63 '66

CHLOROSULFONIC ACID

Sulfating synthetic primary alcohols with chlorosulfonic acid. I. D. Volkova, L. V. Latnenko. Masi. zhizn. prom. 11 no 4:18-20 '67

CHLORPROMAZINE

Comparative evaluation of the methods for isolating aminazine from endocrine material. L. M. Solov'atkin. Sud. med. ekspert 10 no 2:27-33 '67

CHOLERA, ASIATIC see subdivision under Armenia

CHOLESTEROL

Cholesterol content in the organism of cow and its fetus. G. V. Ponomareva. Nauch. dokl. vys. shkoly biol. nauk. 10 no 4:50-60 '67

Significance of determining the cholesterol esterification coefficient for the evaluation of the severity of Parkinson's disease. G. F. Belov. Vop. med. khim. 13 no 3:276-278 '67

CHOLESTEROL METABOLISM

Effect of methylglucuronide on the development of endogenous hypercholesterolemia in rabbits. T. N. Lovagins, T. A. Shitsina. Kardiologiya 7 no 3:122-123 '67

Study of the synthesis of cholesterol from 2-C¹⁴-acetate and distribution of 4-C¹⁴-cholesterol in rats in experimental insomnia. A. A. Fokrovskii, V. T. Markelova, I. S. Shaternikova. Kardiologiya 7 no 3:70-82 '67

CHOLIC ACID

Effect of cholic acid salts on tyrosin V V Mosolov, E V. Lushnikova, P.V. Afanas'ev Dokl AN SSSR 174 no 1, 236-238 My '67

CHOLINE

Interaction of acetylcholine with the contractile substrate of the muscles S.S. Oganessian Vop med. khim 13 no. 3 227-239 My-Je '67

CHOLINE DEHYDROGENASE

Role of choline dehydrogenase in the formation of betaine as one of factors of sugar beet resistance to phytopathogens V E Sokolova, IU V Zviagintseva, M L Pel'tis Dokl AN SSSR 173 no 6 1455-1458 Ap '67.

CHOLINESTERASES

Changes in brain acetylcholinesterase activity after a prolonged stay of animals in hyperoxic environment N S Eremeev, G V. Troshikhin Dokl AN SSSR 174 no 1 246-248 My '67.

Characteristics of the penetration of anticholinesterase compounds in the nervous system of Asiatic insects, IU E Mandel'shtam Biol eksp. biol. i med. 63 no 6 71-73 Je '67.

CHORAL SOCIETIES see subdivision under Latvia

CHOU, SHU-JEN, 1881-1936

Senanov, V.I. [Lu Sin and his predecessors] Lu Sin i ego predshestvenniki Moskva, Nauka, 1967 147 p

CHRISTIANITY—CONTROVERSIAL LITERATURE

Golubisova, N.I. [At the sources of the Christian Church U istokov khristianskoi tserkvi, Moskva, Nauka, 1967, 142 p. (Nauchno-populiarnaya seriya)]

CHROMAFFIN SYSTEM

State of sympathico-adrenal system in the formation period of hypertension, M.D. Speranskii, Kardiologiya 7 no. 3 21-26 Mr '67.

CHROMATOGRAPHIC ANALYSIS

Chromatographic analysis of mixtures of stereoisomeric menthols and menthones L.F. Godunova, E I Kiabunovskii, A I Brisandin Izv AN SSSR, Ser. khim. no. 5 1013 1016 My '67

Increasing accuracy in quantitative determination of the components of a complex mixture using the Khl-3 chromatograph I.N. Mokul, I.A. N. Puig, D.K. Tolopko, Konti. i izm. tekhn. no. 3 116-122 '66.

Some mathematical problems in chromatography N.N. Kuznetsov Sbor rab. VTS MGU no. 6 242-258 '67.

Thin layer chromatography of peroxide compounds A.N. Sorokina, A. E. Batog, M. K. Romantsevich Zhur. ob. khim. 37 no. 4 766-767 Ap '67

CHROMATOPHORES

Comparative study of fluorescence quenching of chlorophyll and its analogs in solutions and chloroplasts N N Gordova, A.A. Krasnovskii, Mol. biol. 1 no. 3 395-409 My-Je '67.

Effect of prolonged darkness on pigments and plastid apparatus in some sun and shade plants T. N. Godnev, F. F. Shabel'skaya Fiziol. rast 14 no. 3 451-455 My-Je '67

CHROMITE see subdivision under Sarana (Sverdlovsk Province)

CHROMITE—ANALYSIS see subdivision under Ural Mountains

CHROMIUM—ANALYSIS

Complexometric microdetermination of chromium and zirconium in leather by "buretteless titration," V A. Dukhota, P.N. Fedoseev, Izv. vys. ucheb. zav. tekhn. i zh. prom. no. 2 76-80 '67.

Volumetric-complexometric determination of the amount of zirconium and chromium in leathers. V.L. Volkachevskii, I.M. Fedorova, Kozh.-obuv. prom. 9 no 4 18-19 Ap '67.

CHROMIUM CATALYSTS

Certain data on the centers of polymer chain propagation in the course of polymerization on chromium oxide catalyst, IU.I. Ermekeov, L Pivanov, Khim. i kat. 8 no 2 357-361 Mr-Apr '67.

Coordination of pentavalent chromium and the activity of chromium oxide catalysts in ethylene polymerization, IU.I. Federskaya, V.B. Kazanskii, Khim. i kat. 8 no. 2, 401-409 Mr-Apr '67.

CHROMIUM CHLORIDES

Interaction in the system NaCl - CrCl₃, A.I. Efimov, I.I. Kozhina, E.K. Lupenko, Vesel. LGU '22 no. 4 138-139 F '67.

CHROMIUM—IRON ALLOYS see Iron-chromium alloys

CHROMIUM-MANGANESE STEEL—METALLOGRAPHY

Weldability of Kh14GN3T-type chromium-nickel manganese steels, T S Kireeva and others, Svar. prozv. no. 5: 19-22 My '67.

CHROMIUM-MANGANESE STEEL—METALLURGY

Effect of alloying elements on properties of structural chromium-manganese steel A P. Gulliev, R M. Guseinuliev Metalloved. i term. obr. met. no 4 27-33 Ap '67

CHROMIUM-NICKEL-STEEL—ELECTROMETALLURGY

Effect of silicon, molybdenum, and copper on the structure, hardness and corrosion resistance of OKh18N20 steel L.F. Tavazde Soob. AN Gruz. SSR 46 no 1 155-160 Ap '67

CHROMIUM ORES

Selecting chromium ores for smelting carbon and converting ferrochromium Kh N Kadai'metov, Teori. i prak. met. no 7 149-158 '64.

CHROMIUM OXIDES

Effect of small Cr₂O₃ additions to the crystallization of multicomponent glasses A V Saikhanishvili, E M. Millukov Soob. AN Gruz. SSR 46 no 1 91-96 Ap '67.

CHROMIUM PLATING

Effect of chromium plating on the fatigue strength of alloyed steel I.B. Kilanaki, P.P. Skuratovich, Prom. Bel. 10 no 4 61 Ap '67

Possibility of chromium plating from water solutions by chemical methods G Z Shilova, A.V. Lemelov, Izv. vys. ucheb. zav. i khim. i khim. tekhn. 10 no. 3 328-330 '67

Self-regulating chromic electrolyte with low corrosive activity N.V. Garshina, V I Sycheva, F.I. Azhognin, Zashch. met. 3 no. 3 362-363 My-Je '67.

CHROMIUM STEEL—CORROSION

Corrosion resistance of OKh13(E190) steel and its weldments in certain process solutions, V A. Maslov, L A. Semenova Svar. prozv. no. 5 37-38 My '67

CHROMIUM STEEL—METALLOGRAPHY

Effect of deformation produced by tension on isothermal transformation of supercooled austenite in 40KhSA steel, S.M. Baizenov, T.M. Lukhina, S.I. Karatushin Izv. AN SSSR, Met. no 3 128-132 My-Je '67

Influence of structure on tendency to brittle failure of 40KhNMA steel O.N. Meshechenova, V N Zikeev, O.G. Sokolov, Metalloved. i term. obr. met. no 4 34-36 Ap '67.

CHROMIZING

Blushtein, A.D., and others. [Anodic-jet chromizing is a new method of rapid application of wear-resistant chromium] Anodirovaniye khromirovaniye - novyi sposob uskorennoy naneseniya iznosostoykogo khroma, Leningrad, 1966, 39 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Poiskovoi proizvodstvennyi opyt, Seriya: Ucheshnye kachestva, povysheniye nadezhnosti i dolgovechnosti mashin, priborov i drugih promyshlennykh izdelii)

Effect of diffusion chromizing on certain physical and mechanical properties of carbon steel, V.B. Dallsav, V.I. Pokhmuski, G.V. Karpenko, Fiz. i khim. mekh. mat. 3 no. 2 172-177 '67.

Mechanical properties of a diffusion chromized layer, E P Ponomarenko Fiz. i khim. mekh. mat. 3 no 2 170-181 '67.

CHROMOSOME NUMBERS

Diagnostic significance of cytological characters in the taxonomy of some tree species as exemplified by the genus Ulmus L. I.A. Gudzenkalo, O.I. Zakhar'eva, Bot. zhur. 52 no. 5 641-650 My '67.

CHROMOSOMES

Chromosomal abnormalities in the peripheral blood leucocytes of acute endemic hepatitis patients IU.IA. Kerkis and others, Genetika no. 5 85-94 My '67.

Combination of triplo-X syndrome and schizophrenia, IU.I. Filippov, E.G. Rigmant, Genetika no 5 79-81 My '67.

Effect of different ionizing radiation types on the initiation of chromosome aberrations in peas, Repol. No. 1. Posliadiation recovery, I.M. Akopian Genetika no. 5 45-51 My '67

Marker chromosomes in the karyotype of cells of ascitic tumor NK/Ly. G.G. Poroshenko, T.A. Nikol'skaya, Dokl. AN SSSR 174 no 1 210-212 My '67.

Radioresistance of chromosomes of human peripheral blood leucocytes at different stages of mitotic cycle, Z.A. Dzhemilev, Genetika no. 5 67-78 My '67.

Ring-shaped chromosome 18 in relation to innate anomalies, A.-V. N. Mikelsaai, T.A. Talvik, M.E. Sitka, Genetika no 5 63-66 My '67.

CHROMOSPHERIC ERUPTIONS see Solar flares

CHUCKS

Dimensional precision analysis of a wedge-shaped pneumatic chuck, M.G. Arat'ev, L.A. Samarina, Izv. vys. ucheb. zav. mashinostr. no. 3 104-108 '67.

CHUEV, FELKS

Beginning of the flight, IU.I. Idashkin, Oktabr' 41 no. 4 211-215 Ap '67.

CHUKCHA VALLEY (YAKUTIA)—GLACIERS

Recent glacier in the upper reaches of the Chukcha River B.A. Onishchenko Priroda no 4 57-58 Ap '67

CHUKCHI NATIONAL AREA

Brucellosis of reindeer in the Chukchi National Area, V.A. Istomin, Trudy Nauch. -issl. inst. sel'khoz. Krai. Sov. 13 49-52 '66.

CHUPA REGION (KARELIA)—RARE EARTH METALS

Accessory xenotimes from pegmatite veins of Chupa and characteristics of distribution of rare elements in them, V.A. Leonova, V.V. Filulina, A.V. Zvarykina, Zap. Vses. min. ob-va 96 no. 2 117-132 '67.

CHUPA REGION (KARELIA)—XENOTIME—ANALYSIS

Accessory xenotimes from pegmatite veins of Chupa and characteristics of distribution of rare elements in them, V.A. Leonova, V.V. Filulina, A.V. Zvarykina, Zap. Vses. min. ob-va 96 no. 2 117-132 '67

CHURCH AND SOCIAL PROBLEMS

World Conference on the problem "Church and Society," A.I. Mutskevich Brat vest no 1 13-14 '67

CHURCH ARCHITECTURE see subdivision under Chernigov

CHURCH HISTORY—PRIMITIVE AND EARLY CHURCH

Christians in the third century, K.V. Somov, Brat vest no 1 42-50 '67

CHUVASHES see subdivision under Ural Mountain region

CHUVASHIA—AGRICULTURAL ADMINISTRATION

Struggle of the Chuvash party organization for the development of agriculture during the fourth five-year plan, 1946-1950, M.V. Rumiantsev, Uch. zap. CHINIIALIE no 29 31-54 '65

CHUVASHIA—CITIES AND TOWNS

History of Chuvash cities in the second half of the 16th and early 17th century, V.D. Dimliriev Uch. zap. CHINIIALIE no. 28 135-183 '65

CHUVASHIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Work of the Chuvash party organization in the field of political education and training of the masses, 1946-1953, N.I. Ivanov, Uch. zap. CHINIIALIE no. 29 13-30 '65.

CHUVASHIA—CULTURE

Rapid cultural development of Soviet Chuvashia, I.A. Markelov, Uch. zap. CHINIIALIE no. 29 3-12 '65.

CHUVASHIA—ELECTRICITY IN AGRICULTURE

Electrification of agriculture in the Chuvash A.S.S.R., I Kulakov, M. Vygovoi ov Tekhn. v sel'khoz. 27 no. 6 14-36 '67.

CHUVASHIA—EMPLOYEES, TRAINING OF

Training of Chuvash workers and the raising of their qualifications during the Great Patriotic War, A.F. Izholkin, Uch. zap. CHINIIALIE no. 28 80-94 '65.

CHUVASHIA—EXCAVATIONS (ARCHAEOLOGY)

An ancient settlement near the village of Toganshi in Shumeriyskiy District, N.V. Trubnikova Uch. zap. CHINIIALIE no. 29 212-236 '65.

CHUVASHIA—HISTORICAL RESEARCH

Brief news, Uch. zap. CHINIIALIE no. 29 273-278 '65.

CHUVASHIA—HISTORY

History of Chuvashia, I Petrov, V mire knig 7 no 2: 10 '67.

CHUVASHIA—INDUSTRIES

How the party organization of the Nizhny Novgorod Territory controlled the industrial development of the Chuvash A.S.S.R. during the first five-year, 1920-1932, N.P. Nikitin, Uch. zap. CHINIIALIE no. 29 95-104 '65.

CHUVASHIA—SOCIAL GROUP WORK

Organization of cultural and educational work with the rural population of Chuvashia in 1959-1964, L.A. Ivanov, Uch. zap. CHINIIALIE no. 29 237-217 '65.

CHUVASHIA—STATISTICS, VITAL

An increase in the average length of life in Chuvashia, K.K. Sidorov, Uch. zap. CHINIIALIE no. 29 247-255 '65.

CHUVASHIA—WORLD WAR, 1939-1945

Development and mobilization of the hidden military potentials of the Chuvash A.S.S.R. for helping the front areas during the Great Patriotic War, T.A. Akhazov, Uch. zap. CHINIIALIE no. 29 55-79 '65.

CHYMOTRYPSIN

Inhibiting effect of borates on three-phase reaction of hydrolysis by α -chymotrypsin of nonspecific substrates I.V. Berezin and others, Mol. biol. 1 no. 1 67-74 Ja-F '67.

COKE—TRANSPORTATION

Analytic calculation of coke losses due to breakage during transportation. M. S. Vinarskiy and others. Met i gornorud. prom. no. 2, 54-56. M. - Ap '67.

COKE INDUSTRY—BY-PRODUCTS

(see also subdivision under Ukraine)

Determining individual coke by-product phenols by gas-liquid chromatography method. G. D. Kharlamovich, V. V. Moskovskikh, V. F. Kollegov. Koks i khim. no. 4, 10-12. '67.

Preparation of highly concentrated diethylbenzene based on coke gas ethylene. I. U. N. Gorbis, I. U. I. Shashkov. Koks i khim. no. 4, 37-40. '67.

COKE INDUSTRY—COSTS

Metallurgical coke from gas coals of Eastern Siberia. R. A. Malkin, L. G. Ol'shanetskii. Koks i khim. no. 4, 17-19. '67.

COKE MANUFACTURE

Investigating components of coal pitch. E. M. Babenko and others. Koks i khim. no. 4, 24-27. '67.

Methods of forecasting coking properties of coal charges based on genetic characteristics of coal. A. S. Stankevich. Koks i khim. no. 4, 1-7. '67.

COKE-OVEN GAS

Removal of nitric oxide from coke-oven gas and acetylene by catalytic hydrogenation. T. A. Semenova and others. Khim. prom. 42 no. 9, 41-43. S. '66.

COKE-OVEN GAS—PURIFICATION

Catalytic hydrogenation of the organosulfur impurities of coke-oven gas. P. P. Ivanovskii, G. S. Beskova, V. A. Duntsova. Khim. prom. 42 no. 11, 45-46. N. '66.

COKE OVENS—EQUIPMENT AND SUPPLIES see subdivision under Nizhny Tagil

COKE OVENS—THERMODYNAMICS

Thermodynamic estimate of the performance of coke ovens. V. G. Shatushteyn. Koks i khim. no. 4, 16-23. '67.

COKE PLANTS—DESIGN AND CONSTRUCTION

Using models in design. S. T. Rudobitskiy, M. B. Sirota, M. N. Tsarev. Koks i khim. no. 1, 13-14. '67.

COLCHICINE

Effect of ionizing radiation and colchicine on some characteristics changes in mitosis in cells. I. K. Abdullaev, D. O. Gasanov. Izv. AN Azerb. SSR Ser. biol. nauk no. 6, 3-10. '66.

COLD—PHYSIOLOGICAL EFFECT

Change in the structure of the systole of the right cardiac ventricle during cooling. V. M. Pokrovskii, Biol. eksp. biol. med. 63 no. 6, 18-21. Jc. '67.

COLD STORAGE WAREHOUSES see subdivision under Minsk

COLITES

Clinical significance of two-circuit combined contrasting in pericollitis. B. N. Ragimov. Avizb. med. zhur. 44 no. 1, 20-24. Ja. '67.

COLLECTIVE FARMS

(see also subdivision under Dagestan, Kustanay Province, Samel', Koslrona Province, Siborn, Western, Sumy Province, Ulyanovsk Administrative Area; Ulyanovsk Province)

On the background? A. Kozlov. Sots. obesp. 42 no. 5, 12-15. My. '67.

Rabinovich, P. A. [Business correspondence on collective farms] Delonratzvodstvo v kolhozakh. Moskva, Kolos,

[Common goal of two v. [Moskva] Mosk,

ovince)
and the proce-
resl stat no 5

SECTION
l
vision under

Collective farm—bank—procurement. A. Rjabkov. Zakup sel'khoz. prod. no. 3, 26-29. Iir. '67.

Preliminary results of the experiment. Den. kred. 25 no. 4, 93-94. Ap. '67.

What is the amount of differential rent? P. Karpov. Nauch. dokl. vys. shkoly, ekon. nauki. 10 no. 6, 16-25. '67.

COLLECTIVE FARMS—INCOME DISTRIBUTION see subdivision under Ukraine

COLLECTIVE FARMS—INTERFARM COOPERATION see subdivision under Belgorod Province

COLLECTIVE FARMS—LABOR PRODUCTIVITY see subdivision under Izum District

COLLECTIVE FARMS—LAWS AND LEGISLATION

History of the legal protection of collective farm property in the Azerbaijan S.S.R. during the over-all collectivization. A. Abaskuliev. Vest. Mosk. univ. Ser. 12. Pravo. 32 no. 3, 76-80. My-Je. '67.

Let's define these rules more exactly. N. Storozhev, A. Shingel'. Sots. zakon. no. 5, 48-49. My. '67.

COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Bashkiria)

Contractual agreement is the law for every farm. I. Lomako. Zakup. sel'khoz. prod. no. 2, 4-5. F. '67.

Increasing production improves the welfare and culture of the village. I. Maslova'skiy. Ekon. rad. Ukr. 10 no. 3, 25-29. Mr. '67.

More independence in management. I. A. Pochtar'. Zakup. sel'khoz. prod. no. 2, 17-18. F. '67.

COLLECTIVE FARMS—PENSIONS

(see also subdivision under Isira, Moscow Province, Kazakhstan; Kusk Province, Prokhodny District; Ryazan Province, Ryazhsk District)

Correspondence with collective farmers. Sots. obesp. 42 no. 1, 20-21. Ap. '67.

How the October benefited us? A. Rybakov. Sots. obesp. 42 no. 4, 6-9. Ap. '67.

Individual problems in awarding pensions for machine operators and specialists, collective-farm members. Sots. obesp. 42 no. 4, 54-56. Ap. '67.

COLLECTIVE FARMS—STATISTICS see subdivision under Moldavia

COLLECTIVE LABOR AGREEMENTS

(see also subdivision under United States)

Recent legislative enactments. Rad. pravo. 30 no. 5, 100-105. My. '67.

COLLECTIVISM

Development of the social activities of students in the Leningrad schools of the 1920's. E. S. Monzhale. Uch. zap. Ped. inst. Gerts. no. 207, 82-94. '66.

COLLEGE SPORTS see subdivision under Dnepropetrovsk

COLLEMBOLA see subdivision under Moscow Province

COLLIMATORS

Precision of collimator measuring method. G. P. Levchuk, I. U. N. Frolov. Geod. i kart. no. 4, 14-17. Ap. '67.

COLLISIONS (NUCLEAR PHYSICS)

Asymptotic behavior of a single reflection from a surface of slight roughness. R. G. Bantsev. Vest. LGU. 22 no. 7, 126-133. Ap. '67.

Collisions of atoms with a crystal surface. A. A. Panpuu, Zhur. vych. nat. i mat. fiz. 7 no. 3, 685-691. My-Je. '67.

Exchange of energy and momentum between the atoms and molecules of a gas and the surface of a solid. A. I. Erofeev. PMTF no. 2, 135-140. Mr.-Ap. '67.

Excitation of atoms by heavy particles. A. V. Vinogradov. Opt. i spekt. 22 no. 4, 663-664. Ap. '67.

Gaussian invariance of the complemented Landau-Zener formula. I. U. P. Mordvinov. Opt. i spekt. 22 no. 4, 529-531. Ap. '67.

Inelastic transitions between the fine structure components of alkali halide metal atoms during adiabatic collisions. E. E. Nikitin. Opt. i spekt. 22 no. 5, 689-698. My. '67.

Instability of a plasma with hot electrons related to the "cone of losses". L. V. Korabiev. Pis'ma v Zhur. eksp. i teor. fiz. 5 no. 5, 137-141. Mr. '67.

Ionization of a hydrogen atom by electron impact in the three-body approximation of classical mechanics. V. F. Broitsev, V. I. Ochkur. Zhur. eksp. i teor. fiz. 52 no. 4, 955-958. '67.

Optimal regimes of thermionic converters at arbitrary number of collisions. Part 1. S. A. Maev and others. Zhur. tekhn. fiz. 37 no. 6, 1079-1089. Je. '67.

Optimal regimes of thermionic converters at arbitrary number of collisions. Part 2. I. U. N. Gusev and others. Zhur. tekhn. fiz. 37 no. 6, 1090-1104. Je. '67.

Pair production in collision of a fast particle with a nucleus. S. R. Keln'ner. Izd. fiz. 5 no. 5, 1082-1101. My. '67.

Theory of negative ion formation in slow atomic collisions. R. Z. Vidina, A. V. Chaplik. Zhur. eksp. i teor. fiz. 52 no. 4, 959-965. '67.

COLLISIONS AT SEA

What the marine accidents and catastrophes prove. D. Eidel'man. A. Chumachenko. Mor. flot. 27 no. 4, 43-44. Ap. '67.

COLON (ANATOMY)—ULCERS

Experiments in ulcerous nonspecific colitis. M. Mel'kumova. Sots. obesp. 42 no. 4, 32. Ap. '67.

COLONIES (INTERNATIONAL LAW)

Modzhorian, L. A. [Colonialism yesterday and today, a sketch on international law] Kolonializm vchera i segodnya, mezhdunarodnopravovyi ocherk, Moskva, IMO, 1967. 150 p.

COLOR CENTERS (CRYSTALLOGRAPHY)

Anisotropy of natural and impurity defects and the polarized luminescence of ionic crystals. P. P. Fedotilov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 789-797. My. '67.

Change of impurity centers induced by ionizing radiation in europium-activated alkali halide crystals. I. A. Parfianovich, P. S. Ivakhnenko, E. I. Shuruleva. Izv. AN SSSR, Ser. fiz. 31 no. 5, 835-838. My. '67.

Electron excitation of ionic crystals and elementary mechanisms underlying the production of color centers. Ch. B. Lushchik, H. Val, M. Elango. Izv. AN SSSR, Ser. fiz. 31 no. 5, 820-828. My. '67.

Luminescence of II-type centers in alkali halide crystal phosphors activated by lead. M. L. Kals, L. I. Golubon-isava, Izv. AN SSSR, Ser. fiz. 31 no. 5, 805-808. My. '67.

Radiative and mechanical changes of color center parameters. T. Sh. Davitashvili, N. G. Poltiov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 829-831. My. '67.

Relation between the thermal stability of F-centers and the dislocation density in NaCl crystals. V. I. Skilla-renko, F. N. Ziltov. Izv. vys. ucheb. zav. fiz. no. 4, 87-90. '67.

Spectra of the formation of color centers in ionic crystals by means of the ultraviolet radiation. E. R. Dumas, N. S. Rozee. Opt. i spekt. 22 no. 5, 769-775. My. '67.

Spectral characteristics and electron-oscillatory transitions in I-type centers of NaCl-Cu and KCl-Cu. M. I. Kals, K. E. Glunburg. Izv. AN SSSR, Ser. fiz. 31 no. 5, 803-804. My. '67.

Variational calculation of multipole polarizability of F-centers in alkali halide crystals (approximation of a point-charge lattice). M. N. Adamov, E. M. Ledovskaya, T. K. Rebane. Vest. LGU. 22 no. 1, 28-31. F. '67.

COLOR IN INDUSTRY

Color choice for interiors of a textile enterprise. V. Terenin. Tekh. est. 4 no. 5, 21-24. My. '67.

Polshkov, I. S. [Color in industrial interior decoration] TSvet v promyshlennom inter'ere. Perm', Knizhnoe izd-vo, 1967. 58 p.

COLOR IN THE TEXTILE INDUSTRY

Effect of the size of the hydrophobic surface of the dye-stuff molecule on the kinetics of its sorption by fibers in the dying process. B. N. Mel'nikov, V. N. Kiselev, R. P. Gudimova. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 2, 213-215. '67.

COLOR PHOTOGRAPHY

"Amber antireflection layers" and coloration of photographic objectives. V. V. Obodovskii, V. N. Rozhdestven-skiy, I. Chetnyi. Opt. i mekh. prom. 34 no. 5, 60-65. My. '67.

COLOR REACTIONS

Color phenomena in complexes of symmetrical trimethylbenzene with the derivatives of α -(2-naphthyl)amine)-acetamide. I. A. Korbukh, E. A. Smirnov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 2, 173-176. '67.

COLORIMETRY

Colorimetric determination of residual quantities of chlorophyll in some crop products. L. A. Stenkovskaya, I. I. Pashkovskaya. Khim. v sel'khoz. 5 no. 6, 67-70. Je. '67.

Colorimetric determination of the quality of diphenylol-propane. G. V. Gultseva, M. I. Klevisova. Khim. prom. 42 no. 9, 61. S. '66.

Photocolorimetric determination of levomycetin in preparation used for blood preservation. A. F. Solodova. Farmatsia. 16 no. 2, 45-48. M. - Ap. '67.

COMBINED OPERATIONS (MILITARY SCIENCE) see Unified operations (Military science)

COMBINES (AGRICULTURAL MACHINERY)

(see also subdivision under Russia, Northwestern)

Attachment to a combine. R. Kalimullin. Tekh. v sel'khoz. 27 no. 6, 60-61. '67.

Attachment to the SK-4 combine. V. Nasonov. Tekh. v sel'khoz. 27 no. 6, 89. '67.

Device for tightening the belts of silage harvesting combines. A. Mikhalets. Tekh. v sel'khoz. 27 no. 6, 86-87. '67.

Increasing the effectiveness of the cleaning operation of a grain combine. N. Kostlov. Tekh. v sel'khoz. 27 no. 6, 82-83. '67.

COMBINES (AGRICULTURAL MACHINERY) (Continued)

- Increasing the productivity of combines. V. Kostin, N. Lavrov. Tekhn. sel'khoz. 27 no. 6 56-58 '67.
Increasing the loss of grain. D. L. Cherny, V. Dushko, Tekhn. sel'khoz. 27 no. 6 58-59 '67.
Repairing the inclined chamber of self-propelled combines. M. V. Kuznetsov, Tekhn. sel'khoz. 27 no. 6 59 '67.

COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

- Increasing the clearance of the bearings of the S-1 and S-3 combines. M. P. Ponomarev, Tekhn. sel'khoz. 27 no. 73-74 '67.
Repairing grain harvesting combines. N. Dobromyslov, Tekhn. sel'khoz. 27 no. 6 70-73 '67.
Repairing the parts and assemblies of grain combines. I. Elizato, Tekhn. sel'khoz. 27 no. 6 67-70 '67.

COMBUSTION

- Burning of substances with a solid reaction layer. B. I. Kuznetsov, V. G. Melnikova. Dokl. AN SSSR 173 no. 6 122-123 '67.
Frank-Kamenetskii, D. A. [Diffusion and heat transfer in chemical kinetics]. Diffuziya i teploperedacha v khimicheskoi kinetike 2 dop. izdaniye, Izd. Moskva, Nauka, 1967 490 p.
Method for experimentally controlling combustion in a combustion engine (fuel and air) in the presence of large ice-formation blocks. A. A. Volkov, V. P. Shostakov. Izv. Vsesoyuzn. nauch. ts. 2 111-119 '66.
Measurement of the fuel flame in an immobile medium. G. A. Resolova, Izv. Vsesoyuzn. nauch. ts. 2 111-119 '66.
Role of free radicals in the chain process of solid fuel combustion. N. V. Lavin, I. A. Ivanov, V. A. Sidorov. Dokl. AN SSSR 173 no. 1 158-161 May '67.

COMBUSTION, SPONTANEOUS

- The role of swelling in the process of spontaneous combustion. M. D. Vveden'ii. Izv. Vsesoyuzn. nauch. ts. 2 111-119 '66.
Minimal temperature for spontaneous combustion of gases and flames. S. V. Lantsovskii, Dokl. AN SSSR 173 no. 12 13-15 '66.
Some features in the development of preflame processes and ignition of hydrocarbon mixtures of various structures. Part I. Delays in cold flame appearance and in ignition as a function of temperature and composition. A. N. Voznesenskiy, D. I. Skokov, Kin. i mekhan. 8 no. 2 232-260 Apr.-Apr. '67.

COMENIUS, JOHANN AMOS, 1592-1670

- The great teacher Johann Amos Comenius on the 375th anniversary of his birth. A. I. Piskunov. Shkola i osv. 11 no. 4 67-69 Apr. '67.

COMETS

- Effective albedo of the comets Scheinman 1931 I and Halley 1955 f. R. S. Osheev, Blud. inst. astrofiz. AN Tadzh. SSR no. 16 10-12 '66.
Formation of particles in the cometary atmosphere as the result of gas condensation. A. Z. Dolgova, Astron. zhur. 41 no. 1 13-18 '67.
Movement of matter in the tail of the comet Arend-Roland. M. V. Dolgova, R. S. Osheev, Blud. inst. astrofiz. AN Tadzh. SSR no. 16 3-5 '66.
Photographic photography of the comet Arend-Roland 1955 f. O. V. Dolgova, R. S. Osheev, Blud. inst. astrofiz. AN Tadzh. SSR no. 16 7-9 '66.
Relationship between the diameter of a comet's head and its visible brightness. O. V. Dolgova, R. S. Osheev, Dokl. AN Tadzh. SSR no. 16 212-213 '67.
Tail of the comet Ikeya-Seki 1965 f. after perihelion. K. I. Dolgova, Dokl. AN Tadzh. SSR no. 16 415-416 '67.
Temperature of an optical by dense comet atmosphere. O. V. Dolgova, Blud. inst. astrofiz. AN Tadzh. SSR no. 16 3-6 '66.

COMETS—ORBITS

- Evolution of the orbits of short-period comets during the interval 1660-2060 and the role of the outer planets in this evolution. E. I. Kazimich-Polonskaya, Astron. zhur. 41 no. 2 439-460 '67.
Evolution of the orbits of the comets Neujmin 2 (1910 II), Comas Sola (1927 III) Schwassmann-Wachmann 2 (1929 I) during a period of 400 years (1660-2060). N. A. Beliaev, Astron. zhur. 41 no. 2 161-170 '67.

COMMERCE

- Giving an exclusive right for sale. I. Orlov. Vneshtorg 47 no. 1 50-52 '67.
Present-day business conditions of the capitalist economy. D. Kostukhin. Vneshtorg 47 no. 5 25-30 '67.

COMMERCE—CONGRESSES

- For trade without restrictions. Brian Barton. Vsem. prof. dvizh. no. 2 3-7 Mar. '67.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL AGENTS

- Announcements. Vneshtorg 47 no. 1 61-64 '67.
Giving an exclusive right for sale. L. Orlov. Vneshtorg 47 no. 4 50-52 '67.

COMMERCIAL CORRESPONDENCE

- Rabinovich, P. A. [Business correspondence on collective farms]. Deloprirovodstvo v Polkhozakh, Moskva, Kolos, 1967 126 p.

COMMERCIAL CRIMES

- On struggle against the production of low-grade, substandard, and deficient goods should contribute to the solution of new problems. I. Shurina. Sots. zakon no. 5 32-33 May '67.

COMMERCIAL LAW

- Klein, N. I. [Laws which regulate the planning of the production of consumer goods]. Zakonodatel'stvo o planirovani pri proizvodstve tovarov na odnogo potrobitel'stva, Moskva, Izd. III-ia, 1967 141 p.

COMMERCIAL POLICY

- The "Kennedy Round" negotiations. G. Krasnov. Vneshtorg 47 no. 1 53-55 '67.

COMMERCIAL PRODUCTS

- [New consumer goods; information bulletin] Nov. tov.; inform. bul. no. 6 '67.

COMMUNICABLE DISEASES

- Development of the doctrine of geography of human infectious diseases. V. I. A. Lyashko, V. K. Ashkul', Zhur. mikrobiol., epidemiol. i inf. no. 6 3-9 Jun. '67.

COMMUNICABLE DISEASES IN ANIMALS see Subdivision under Transcascasia

COMMUNICATION—STUDY AND TEACHING

- There will be dynasties of communication employees. M. F. Gusev. Semla i shkola 22 no. 5 30 May '67.

COMMUNICATION AND TRAFFIC—ACCOUNTING

- Staplov, O. S., Z. P. Evmenina, and A. P. Sverkalova. [Business accounting within communication enterprises]. Vnutri-proizvodstvennyi khozraschet v predpriyatiakh svyazi, Moskva, Svyaz', 1961 36 p. (Leksion po ekonomike svyazi).

COMMUNICATION AND TRAFFIC—EMPLOYEES

- "Model service" is the motto of communication and traffic workers. V. Kuznetsov. Sov. profsoyuzy 27 no. 8 20-21 Apr. '67.

COMMUNICATIONS, MILITARY

- Airplane and cable. M. I. Kaylov. Tekhn. i voen. zhur. 25 no. 12 84-85 Dec. '66.

COMMUNICATIONS, MILITARY—EQUIPMENT AND SUPPLIES

- Repair and maintenance of communications facilities by troops. G. P. Belykh. Vest. protivovozd. obr. no. 10 69-71 Oct. '66.

COMMUNICATIONS, MILITARY—STUDY AND TEACHING

- We evaluate work daily. N. B. Marchevskii, Vest. protivovozd. obr. no. 10 34-35 Oct. '66.

COMMUNISM

- (see also subdivision under Soviet Central Asia)
Basic production relation and the fundamental contradiction of socialism. N. Kolesov. Nauch. dokl. vys. shkoly, ekon. nauk 10 no. 6 10-17 '67.
Connection between the struggle for democracy and the present-day struggle for socialism. A. D. Kosichev. Vest. Mosk. un. Ser. 8 Filoz. 22 no. 1 8-10 Jan. '67.
The country on the road toward communism. Agitator no. 24 3-6 Dec. '61.
Debatable point of view. M. Savov, E. Bondarenko. Mh. ekon. i mezhdunar. otn. no. 6 117-120 '67.
Economy and economic sciences at the present stage of the building of communism. S. H. Baishev. Prikl. ekon. i ekon. Karak. no. 2 3-5 '66.
The Great October Socialist Revolution and the world politics. I. Lenin, Mh. ekon. i mezhdunar. otn. no. 6 3-17 '67.
International significance of the October Revolution and present-day ideological struggle. T. T. Timofeev. Vop. ist. KPSS 11 no. 6 13-15 Jun. '67.
Kovalov, A. M. [The sciences of communism]. Nauka o kommunizme. [Moskva] Izd-vo Mosk. univ., 1967. 31 p.

- Lenin, V. I. [International labor and communist movement]. O mezhdunarodnom rabochem i kommunisticheskom dvizhenii. Moskva, Politizdat, 1967. 410 p.
Marxist-Leninist principle of the unity of the revolutionary theory and revolutionary practice. E. I. Mikhayev. Uch. zap. GPKH no. 28 3-21 '66.

- The problem of the socioeconomic nature of state capitalism. V. I. A. Levin. Vop. ist. KPSS 11 no. 6 31-41 Jun. '67.

- Scientific and technical revolution and the building of the material and technical foundation of communism in the U.S.S.R. S. Kheiman. Mir. ekon. i mezhdunar. otn. no. 6 24-38 '67.

- Theory, history, and the present. A. Mikhaylovich. Nauch. dokl. vys. shkoly, ekon. nauk 10 no. 6 101-103 '67.

- Transforming the world. Sov. profsoyuzy 23 no. 8 2-3 Apr. '67.

- TSvetkov, P. M., and others. [Formation of communist social relations]. Formirovaniye kommunisticheskikh obshchestvennykh otnoshenii. Moskva, Vysshaya shkola, 1967 110 p.

- The world socialist system. T. Vlasova. Nauch. dokl. vys. shkoly, ekon. nauk 10 no. 5 91-101 '67.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM—STUDY AND TEACHING

- [Curriculum for schools teaching the principles of Marxism-Leninism]. Programma shkoly osnov marksizma-leninizma, Moskva, Politizdat, 1967 63 p. (Sistema podgotovki uchelya).

- [Methodological handbook on philosophy; for schools teaching the principles of Marxism-Leninism]. Metodicheskoe posobie po filosofii dlia shkol osnov marksizma-leninizma. Moskva, Politizdat, 1967. 301 p.

COMMUNISM AND ART

- Documents of "monumental propaganda." A. Pavlichenkov. Iskusstvo 30 no. 1 50-51 '67.

COMMUNISM AND RELIGION

- Arsenkin, V. K. [The path to the mind and heart]. Put' k razumu i serdtsu. Moskva, Politizdat, 1967. 125 p.

- Atheism and humanism. P. Kolontsiyev. Agitator 35 no. 11 17-19 Jun. '67.

- The church is forced to change its tactics. V. Novik. Agitator no. 2 30-32 Jan. '61.

- Social and moral principles of communism in the interpretation of modern Christian theologians. G. I. Avdeyev, V. P. I. I. I. I. P. Polukhov. Vop. nauch. i teol. no. 2 110-110 '66.

COMMUNIST COMPETITION

- A brigade of communist labor. G. S. Polosh. Razved. i okh. ned. 33 no. 5 47-58 May '67.

COMMUNIST COUNTRIES—BANKS AND BANKING

- Alas, M. S. [Developing the banking systems of socialist countries]. Razvitiye bankovskikh sistem stran sotsializma. [Moskva] Finansy, 1967. 237 p.

COMMUNIST COUNTRIES—CLEARINGHOUSE

- Obolenskii, N. G. [Credit and payment relations of socialist countries]. Kreditno-raschetnye otnosheniya sotsialisticheskikh stran. Moskva, Finansy, 1967. 31 p.

COMMUNIST COUNTRIES—CONSTITUTIONAL LAW

- Using the method of comparative jurisprudence in studying and teaching the constitutional law of foreign socialist countries. A. Kh. Makhnenko. Izv. Vsesoyuzn. nauch. ts. 2 105-103 Jan. '67.

COMMUNIST COUNTRIES—CREDIT

- Obolenskii, N. G. [Credit and payment relations of socialist countries]. Kreditno-raschetnye otnosheniya sotsialisticheskikh stran. Moskva, Finansy, 1967. 31 p.

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

- Victories of socialism and the failure of bourgeois prophecies. E. Kazhinskaya. Nauch. dokl. vys. shkoly, ekon. nauk 10 no. 5 3-17 '67.

- With Lenin's course, a review of the political, economic, and cultural life. M. Bychev. Agitator no. 6 13-17 Mar. '61.

COMMUNIST COUNTRIES—ECONOMIC POLICY

- Economic advantages of socialism over capitalism and the ways to use them. A. Lohedinskaya. Komm. Voen. zhur. 18 no. 11 53-59 Jun. '67.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

- Debatable point of view. M. Savov, E. Bondarenko. Mh. ekon. i mezhdunar. otn. no. 6 117-120 '67.

COMMUNIST COUNTRIES—POPULATION

- The population is the basis and subject of productive work. E. Ivanova. Nauch. dokl. vys. shkoly, ekon. nauk 10 no. 6 36-38 '67.

COMMUNIST COUNTRIES—QUALITY CONTROL

- [Control over production quality in the Comecon countries; a survey]. Kontrol' kachestva produktov v stranakh chlenakh SEV; obzor. Moskva, Izd-vo Standartov, 1967. 460 p.

COMMUNIST EDUCATION

- (see also subdivision under Estonia; Gorky Province; Kazakhstan; Kemerovo Province; Kurgan Province; Moldavia; Moscow Province; Perm Province; Siberia; Western Volga Province)
Brief news. Agitator no. 6 63 Mar. '61.

- The conference at the Central Committee of the CPSU on problems of mass political work. Agitator no. 11 46-48 Jun. '61.

COMMUNIST EDUCATION (Continued)

- A failure to follow the instructions on communist education. N. Shibaev. Part zhizn' no 11 67. Ja '67.
- Formation of the new man. Agitator no. 24 15-47 D '61.
- The friendship of students and soldiers is growing stronger. A. S. Zolotarev. Vest vs. shkol' 25 no. 1 41-47. Ap '67.
- From the editor's mailbox. Agitator no. 24 47-51 D '61.
- Ideological wings of future officers. V. Novikov, V. Rukhlov. Komm. Vooruzh. Sil 18 no. 11 31-36 Je '67.
- Inculcation of moral ideals in the Communist or the Young Students of Pioner District. M. G. Kazantsev. Uch. zap. Ped. inst. Gorki no. 297 83-116 '66.
- Letter to the editor. Agitator no. 6 56. Mi '61.
- The most important work of the Komsomol is the education of the young generation. A. Vozlov. Prof. -uch. obr. 21 no. 12-3. Ap '67.
- Participants in the conference are expressing their views. Agitator no. 11 49-56 Je '61.
- Polyschool training and the development of the mental vision of students. P. R. Aitov. Shkol' na prava 10 no. 9 3-8 S '66.
- Propagandists need to be guided. D. Fuznetsov. Agitator no. 12 51-56 Je '61.
- Public participation in educational work. Agitator no. 11 3-5 Je '61.
- Seminars on ideological and political training of students. Prof. -uch. obr. 21 no. 3 25-26. Mi '67.
- Sociologists discuss the problems of education. T. V. Malafayeva, B. V. Fedotov. Vest. vs. shkol' 25 no. 3 63-61. My '67.
- Two years of work according to new methods. V. Gladikh. Komm. Vooruzh. Sil 18 no. 12 16-50 Je '67.
- We should teach our students to be high-principled fighters. Prof. -uch. obr. 23 no. 10 7-7 O '66.
- Work consistently with the masses! L. M. Rukhlov. Agitator no. 12 21-21 Je '61.
- Work of the propaganda group. Agitator no. 11 22 Je '61.
- Work training. G. Popov. Part zhizn' no. 11 36-38 Je '67.

COMMUNIST ETHICS

- Honor and conscience. S. Bardin. Agitator no. 1 21-27 I '61.
- The purpose of life, happiness, and morality. G. K. Gromovskiy. Vop. ist. KPSS 11 no. 5 103-103 '67.
- Some problems concerning the struggle of the Soviet people for the communist way of life. N. I. Nachenskiy. Shkol. trud. Vses. uch. polit. inst. no. 30 118-107 '67.

COMMUNIST PARTIES

(see also subdivision under Europe)

- Communism and the problem of the international labor movement. Yu. S. Georgiev. Vop. ist. KPSS 11 no. 6, 110-112. Tr '67.

A resolution of the situation of the world communist movement. Part zhizn' no. 11 71-73 Je '67.

COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography—Communist parties

COMMUNIST PARTY see subdivision under Austria, Bulgaria, France; Mongolia, Uruguay

COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Aktyubinsk Province, Lithuanian, Novosibirsk, Omsk Province, Ukraine, Ulyanovsk Province, Ussuriysk)

The conference at the Central Committee of the CPSU on problems of mass political work. Agitator no. 11 46-48 Je '61.

[Curriculum for schools teaching the principles of Marxism-Leninism] Programma shkoly osnov marksizma-leninizma Moskva, Politizdat, 1957. 83 p. (Sistema partinoy uchey)

Defense of right-wing opportunism of the CPSU by capitalist apologists. V. I. Tutushov. Vop. ist. KPSS 11 no. 6 53-67 Je '67.

Devel'trov, K. Z., K. I. Pogodin, and B. V. Rakitskiy. [Time of good changes] Vremya dobrykh peremenn. Moskva, Sov. Rossiya, 1957. 116 p.

The first years of the Soviet regime. Part zhizn' no. 10 30-11. My '67.

List of theses for dissertations for the degree of Doctor of Historical Sciences on the subject "History of the CPSU" defended at scholarly councils and approved by the Higher Certifying Commission in 1957-1966. Vop. ist. KPSS 11 no. 6 152-151 Je '67.

Marxist-Leninist theory of the party and its development under present-day conditions. A. Bunlav. Komm. Vooruzh. Sil 18 no. 12 71-77 Je '67.

The party committee is the organ of collective leadership. Part zhizn' no. 11 3-7 Je '67.

Program of the new society. J. Palitta. Agitator no. 22 10-12 N '61.

A program which inspires people. S. Bessudnov. Agitator no. 22 9-13 N '61.

Sources of the scholarly work of the Leningrad Institute of the History of the Party. S. P. Fildich. Vop. ist. KPSS 11 no. 6 145-130 Je '67.

Soviet trade unions are active fighters for the party cause. Thame. No. 8. Sov. profsoyuz 24 no. 6 44-44. Ap '67.

Temporary office of the district party committee. N. Zolotarev. Agitator no. 22 55-56 N '61.

Theses for lectures and talks based on materials of the 22d Congress of the CPSU recommended by the Section on Propaganda and Political Education of the Central Committee of the CPSU in Union Republics. Agitator no. 22 16-19 N '61.

We must improve the style of party leadership. Part zhizn' no. 11 41 Je '67.

We received these answers. Part zhizn' no. 10 70-71. My '67.

With the party with mind, conscience, and heart. L. Gubov. Agitator no. 22 24-26 N '67.

Work of the Commission for the Collection and Study of Materials of the October Revolution and History of the Communist Party. K. S. Ostroukhova. Vop. ist. KPSS 11 no. 6 12-101 Je '67.

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Master the skills of Party political work. I. R. Kispalt. Vest. protivovozd. obra. no. 10 8-10 O '66.

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

(see also subdivision under All-Union Territory)

How many party members should exist then votes in order to admit a candidate into the CPSU or to refuse to do that? Komm. Vooruzh. Sil 48 no. 9 87. My '67.

The membership of the communist party is growing. M. Sychev. Agitator no. 22 43-15 N '61.

Obligations and rights of Communists. A. Vechuk. Komm. Vooruzh. Sil 18 no. 12 91-58 Je '67.

The period of candidacy for membership in the party. R. Izyum. Komm. Vooruzh. Sil 18 no. 9 59-65. My '67.

Progressive workers are becoming party members. V. Shant'ov. Part zhizn' no. 11 37-38 Je '67.

Rights and responsibilities of Communists. Part zhizn' no. 11 39-40 Je '67.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Chelyabinsk Province, Chuvashia, Gorky Province, Leningrad Province, Mairine Territory, Moscow, Omsk, Nov. Izh, Uzbekistan, Vologda Territory)

Brief news. Agitator no. 2 63. Ja '61.

Efforts of the propaganda group. Agitator no. 2 21. Ja '61.

From the editor's mailbox. Agitator no. 12 57-59. Je '61.

Increased role of local party organizations in the industrial operations of steel plants in the Kuznetsk Basin between the 20th and 22d Congresses of the CPSU, 1956-1961. G. G. Khakhula. Uch. zap. Ped. inst. no. 56 118-132 '66.

Let us prepare for the congress. Agitator no. 5 3-5. Mi '61.

Letters to the editor. Agitator no. 5 51-54. Mi '61.

The party control of government-owned enterprises is an important step toward the development of socialist democracy. N. V. Nagibina. Shkol. trud. Vses. uch. polit. inst. no. 30 18-85 '65.

Party organizations and schools. V. V. Shevchenko. Rad. shk. 46 no. 5 1-6. My '67.

Rodionov, P. A. [Collective work, the highest principle of party leadership; organization, development and realization of Lenin's principle of collectivity in the work of the CPSU] Kollektivnost' - vysshiy printsip partinogo rukovodstva; razrabotka, razviti i voplosheeni leninskogo printsipa Kollektivnosti v delatel'nost' KPSS. Moskva, Politizdat, 1957. 286 p.

A study group for party committee chairmen. Part zhizn' no. 10 12-20. My '67.

Work of the propaganda group. Agitator no. 4 15. Tr '61.

Work of the propaganda group. Agitator no. 5 21. Mi '61.

Work of the propaganda group. Agitator no. 6 27. Mi '61.

Work of the propaganda group. Agitator no. 12 32. Je '61.

Work of the propaganda group. Agitator no. 22 28. N '61.

Work of the propaganda group. Agitator no. 24 24. D '61.

Your obligations, propagandists. Agitator no. 22 3-8. N '61.

COMMUNIST PARTY OF THE SOVIET UNION—PERIODICALS

A discussion on the work of this periodical. Vop. ist. KPSS 11 no. 6 150-152. Je '67.

COMMUNIST REVISIONISM

Victims of socialism and the failure of bourgeois prophets. E. Ka. hurskua. Nauch. dokl. vs. shkol' 25 no. 10 no. 5 1-13. Je '67.

COMMUNIST STATE

Problem of the historical necessity of the states of the socialist type. A. I. Korolev. Izv. vs. uch. zap. pr. no. 11 1-12. Ia-1 '67.

COMMUNIST YOUTH see subdivision under Vietnam

COMMUNIST YOUTH LEAGUE

(see also subdivision under Ezhevsk, Komsomol'sk-on-Amur, Lugansk Province, Ulyanovsk Administrative Area, Zapadnaya Province)

Annals of the bravery of the generation. V. G. Mikhry. Mol. komm. no. 5 12-17 '67.

The call of your hearts. Komm. Vooruzh. Sil 48 no. 9 69-71. My '67.

A festival of happy youth. S. Pavlov. Agitator no. 11. 11-15. Ja '61.

The first state farm organized by the Komsomol. K. I. Grolor. Sov. arkh. no. 2 93-91 '67.

For the creative and efficient methods of work. S. Sokolovskiy. Komm. Vooruzh. Sil 18 no. 9 66-68. My '67.

For the impending exchange of Komsomol documents. A. G. Desiatov. Vest. protivovozd. obra. no. 12 16-17. D '66.

The glorious anniversary deserves highly efficient work. M. Simachev. Komm. Vooruzh. Sil 18 no. 12 65-70. Je '67.

A guarantee of activity. I. I. Piskun. Mol. komm. no. 5 102-108 '67.

In military districts and fleets. Komm. Vooruzh. Sil 48 no. 12 93-96. Ja '67.

The Komsomol has issued its new membership cards. Komm. Vooruzh. Sil 48 no. 11 81-84. Je '67.

The most important work of the Komsomol is the education of the young generation. A. Vechuk. Prof. -uch. obr. 24 no. 4 2-3. Ap '67.

School Komsomol organizations and their role in the development of the social activities of senior students. A. G. Ivanova. Uch. zap. Ped. inst. Gorki no. 297 211-227 '66.

To decide issues to act. V. Tkachenko. Komm. Vooruzh. Sil 48 no. 11 67-71. Je '67.

We must convince, educate, and lead. N. Tyurin. Komm. Vooruzh. Sil 48 no. 10 65-70. My '67.

You call us to deeds, Komsomol! I. U. Kaitchev. Tyl. i snab. Sov. Voor. Sil 27 no. 5 26-28. My '67.

COMMUNISTS

(see also subdivision under Latin America)

Fighting for the people's sketch. Z. Guseva. Agitator no. 5 18-30. Mi '61.

COMMUNISTS, BULGARIAN

An ancient tribute of communism; 85th anniversary of Georgi Dimitroff's birth. Nov. v. cm. 25 no. 25 10-11. Je '67.

COMMUNITY CENTERS

(see also subdivision Azerbaijan, Leningrad Province)

Our red corner. N. Merzaki. Sots. obozr. 42 no. 1. 41-42. Ap '67.

Studying, consulting, arguing. Sov. profsoyuz 23 no. 6. 26-27. Ap '67.

COMMUTATION (ELECTRICITY)

Effect of deviations in the magnetic system of the main poles of electric traction motors on the magnitude of induction in the zone of commutation. V. G. Galkin. Nauch. trudy OIMF no. 56, 91-96. '65.

High-speed commutating device using transistors. V. N. Uf'innov. Tekh. kino i telev. 11 no. 5 74-78. My '67.

Study of the stability of plastic collectors of traction motors. M. S. Shurov. Elektr. otekhnik 38 no. 5 11-18. My '67.

COMPARATIVE LAW

Using the method of comparative jurisprudence in studying and teaching the constitutional law of foreign socialist countries. A. Kh. Makhnenko. Izv. vs. uch. zap. pr. av. no. 1 95-103. Ja-T '67.

COMPASS

Considerable deviation of magnetic compasses depending on latitudes. V. Guzeev. Mor. flot 27 no. 5 22-24. My '67.

COMPETITION, INTERNATIONAL

Bellaev, I. U. N., and L. S. Semenov. [The Comecon countries in the world economy] Strany SEV v mirovoi ekonomike. Moskva, IMO, 1967. 187 p.

Competition in the sphere of technology: Europe against the U.S.A. G. B. Quinn. Mir. ekon. i mezhdunar. otn. no. 5 126-136. '67.

Imperialists are conducting economic espionage. M. Shukov. Tyl. i snab. Sov. Voor. Sil 27 no. 11 89-91. N '66.

Scientific and technical progress and interimperialist contradictions. L. B. Mu. ekon. i mezhdunar. otn. no. 5. 136-137. '67.

CONGO (KINSHASA)—ECONOMIC CONDITIONS

1. The economic conditions of the Congo (Kinshasa) in 1967. *Sovetskaya Ekonomika*, 1967, no. 1, p. 1.

CONGO (KINSHASA)—ECONOMY

1. The economic conditions of the Congo (Kinshasa) in 1967. *Sovetskaya Ekonomika*, 1967, no. 1, p. 1.

CONGO (KINSHASA)—POLITICS AND GOVERNMENT

1. The political conditions of the Congo (Kinshasa) in 1967. *Sovetskaya Ekonomika*, 1967, no. 1, p. 1.

CONGOLESE AIR FORCE AND NAVY

1. The air force and navy of the Congo (Kinshasa) in 1967. *Sovetskaya Ekonomika*, 1967, no. 1, p. 1.

CONGRUENCES (GEOMETRY)

1. The congruences of the geometry of the surfaces. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

2. The congruences of the geometry of the surfaces. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONGRUENCES AND RESIDUES

1. The congruences and residues of the geometry of the surfaces. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONJUGATE

1. The conjugate of the nucleic acids in the tissues of the paragon. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONJOINTS

1. The joints of the construction of the bridge. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSCIOUSNESS

1. The consciousness of the population. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

2. The consciousness of the population. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSERVATION OF NATURAL RESOURCES

1. The conservation of the natural resources of the country. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION EQUIPMENT

1. The construction equipment of the international exhibition in Moscow in 1967. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

2. The construction equipment of the international exhibition in Moscow in 1967. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

3. The construction equipment of the international exhibition in Moscow in 1967. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION EQUIPMENT—COOLING

1. The cooling equipment of the power plants of construction. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION EQUIPMENT—HYDRAULIC DRIVING

1. The hydraulic driving of the construction equipment. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

1. The maintenance and repair of the construction equipment. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION EQUIPMENT—TRANSPORTATION

1. The transportation of the construction equipment. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION EQUIPMENT INDUSTRY—MANAGEMENT

1. The management of the construction equipment industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY

1. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

2. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

3. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

4. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

5. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

6. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

7. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

8. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

9. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

10. The construction industry of the Carpathian Mountain region. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—ACCOUNTING

1. The accounting of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

1. The auditing and inspection of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—CONGRESSES

1. The congresses of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—COSTS

1. The costs of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—FINANCE

1. The finance of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—MANAGEMENT

1. The management of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—PATENTS

1. The patents of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

1. The technological innovations of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION WORKERS

1. The construction workers of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSTRUCTION WORKERS—EDUCATION AND TRAINING

1. The education and training of the construction workers. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSUMER CREDIT

1. The consumer credit of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSUMERS' PREFERENCES

1. The preferences of the consumers of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONSUMPTION (ECONOMICS)

1. The consumption of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTAINERS

1. The containers of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTAINERS—STANDARDS

1. The standards of the containers of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTINENTAL SHELF

1. The continental shelf of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTINUOUS CASTING

1. The continuous casting of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTINUOUS CASTING—EQUIPMENT AND SUPPLIES

1. The equipment and supplies of the continuous casting of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTINUOUS FUNCTIONS

1. The continuous functions of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTRACTING PARTIES TO THE GENERAL AGREEMENT OF TARIFFS AND TRADE

1. The contracting parties to the general agreement of tariffs and trade of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTRACTS

1. The contracts of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

CONTRACTS, AGRICULTURAL

1. The agricultural contracts of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

COOKERY

1. The cookery of the construction industry. *Sovetskaya Matematika*, 1967, no. 1, p. 1.

2308

COURT RECORDS

How we keep our archives. A. Savetleva, *Sots. zakon*, no. 5 51-52 My '67.

COURTS

(see also subdivision under Leningrad)

Instruction of office work. V. Savinov, *Sov. iust*, 31 no. 10-23 My '67.

COURTS—OFFICIALS AND EMPLOYEES

Role of the President of the Supreme Court of the U.S.S.R. in the education and training of judges and court employees. S. Zolotarev, *Sov. iust*, 31 no. 10: 9-10 My '67.

COWS

Change in the protein composition of the blood serum and some hematological indices in Altai cows in the course of lactation. R. B. Ishaibayev, *Vest. sel'khoz. (Kazakh)*, no. 2 51-55 P '67.

CRABTREE EFFECT

Changes in the degree of the Crabtree effect in acetic bacteria NF11, under the effect of hydrocyanic acid. G. Petenkov, A. I. Netovshenko, *Vop. med. khim.*, 13 no. 3 261-263 My-Je '67.

CRACKING PROCESS

Algorithm of optimum control of a catalytic reforming plant. B. A. Bel'tsov, *Izv. vys. ucheb. zav. (MFTI) gaz*, 10 no. 4 111-114 '67.

Automatic control of the catalyst regeneration process. M. I. Kozlov and others, *Khim. i tekhn. topl. i masel*, 12 no. 3 33-37 My '67.

Control parameters of catalytic cracking. A. P. Pivovarov and others, *Khim. i tekhn. topl. i masel*, 12 no. 5 13-15 My '67.

Conversions of cyclic hydrocarbons in presence of oxide catalysts of reforming. I. U. N. Usov and others, *Neftekhimika*, 7 no. 2 172-173 My-Apr '67.

Deasphalted residue of Mangyshlak petroleum as stock for catalytic cracking. M. G. Mitofanov, P. K. Zmievskii, V. M. Antsen, *Neftepr. i neftekhim.*, no. 1-6-8 '67.

Developing mathematical description of thermal contact cracking in a fluidized bed for process optimization. I. U. Zhurav and others, *Neftepr. i neftekhim.*, no. 1 32-34 '67.

Effect of pressure on acetylene homolog content in gaseous products of electric cracking of liquid organic products. A. T. Solatenkov, A. L. Apudis, N. S. Pechuro, *Neftekhimika*, 7 no. 2 222-224 My-Apr '67.

Effect of temperature differences of catalyst and stock on cracking process. A. T. Pivovarov, V. P. Sumanov, *Neftepr. i neftekhim.*, no. 4-11-32 '67.

Effect of the size of particles on the activity of catalysts in the process of hydrocracking. I. A. R. Katsobashvili, N. V. Sidonova, *Zhur. prikl. khim.*, 40 no. 3 627-631 My '67.

Expanding sources of stock for producing carbon black. M. S. Karamychev and others, *Neftepr. i neftekhim.*, no. 1 10-31 '67.

Hydroforming operation with addition of hydrogen. N. P. Stukhanov and others, *Neftepr. i neftekhim.*, no. 1 5-6 '67.

Method of determining the coupling factor of the system regulating the pneumatic conveying in a hydrocracking plant. A. Kh. Mamedov, *Za tekhn. prog.*, 7 no. 1 3-5 Ap '67.

Monograms for determining volume and density of mixtures of gas products in reactor sets of catalytic reforming units. L. P. Voevodskaya, *Neftepr. i neftekhim.*, no. 4 37-38 '67.

Octane number of aromatic hydrocarbons and gasoline produced by catalytic cracking and reforming. L. I. Zubranskii, *Khim. i tekhn. topl. i masel*, 12 no. 5 41-47 My '67.

Pyrolysis of n-octane in presence of ammonia. L. V. Talisman, M. A. Shabunov, *Neftekhimika*, 7 no. 2 214-216 My-Apr '67.

Removing vanadium and sodium compounds from sour crudes in hydrocracking at low pressure (30 atmospheres). I. A. R. Katsobashvili and others, *Neftepr. i neftekhim.*, no. 4 3-6 '67.

Thermal cracking of vacuum gas oil for high output of diesel fuel. I. A. Botnikov, Z. V. Gerasimcheva, *Khim. i tekhn. topl. i masel*, 12 no. 5 5-7 My '67.

Two-stage use of catalyst in catalytic cracking plants. N. A. Olefir, M. E. Levintsev, K. N. Mamaeva, *Neftepr. i neftekhim.*, no. 2 5-7 '67.

CRANES, DERRICKS, ETC.

In situ studies of transient processes in the mechanisms of port cranes. N. I. Erofeev, N. F. Zubka, *Mor. por.*, nach. trudy, no. 2 138-146 '66.

Layout of the quayside crane tracks on the outermost wharves. V. Zubritskii, *Mor. flot*, 27 no. 5 10 My '67.

Selecting optimum type of the standard series of tower cranes. A. A. Lifshits, *Stroitel. dor. mash.*, 12 no. 2 14-16 '67.

Semiautomatic cranes. T. Piarin, *Rech. transp.*, 26 no. 4 53-54 '67.

Testing metal structures of a 250-ton-capacity floating crane. A. A. Molchanov, *Vest. mashinost.*, 17 no. 5: 33-35 My '67.

CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION

Electric shig welding of crane track rails. L. N. Kopetman, Kh. Kh. Mukimov, *Svet. prom.*, no. 5 12-31 My '67.

CRANES, DERRICKS, ETC.—ELECTRONIC EQUIPMENT

Force measuring glueless resistive (conometric) transducer for electronic crane scales. V. I. Petukh and others, *Mekhn. i avtomatiz.*, no. 2 50-52 My-Apr '67.

CRANES, DERRICKS, ETC.—MAINTENANCE AND REPAIR

Device for determining the length of the crane operation period between two consecutive repairs. M. Petrov, *Rech. transp.*, 26 no. 1 18-19 '67.

CRANES, DERRICKS, ETC.—PARTS

Increasing the wear resistance of gear teeth by building-up. P. A. Kachan, P. I. Frolov, *Vest. mashinost.*, 17 no. 5 27-28 My '67.

CRANES, DERRICKS, ETC.—SAFETY APPLIANCES

Membrane-type device restricting the lifting capacity of a crane. I. D. Anokhin, *Buop. truda i prom.*, 9 no. 12 16-18 D '65.

CRANES, DERRICKS, ETC.—TESTING

Standards for testing crane mechanisms. B. K. Stolarov, *Stroitel. dor. mash.*, 12 no. 2 31-36 '67.

CRANES, DERRICKS, ETC.—TESTING

Experimental investigation of the margin of fatigue strength of a crankshaft. I. A. V. Pikhomurov, A. V. Adamovich, *Izv. vys. ucheb. zav. mashinost.*, no. 4 35-10 '67.

CRAWLER TRACTORS

Deformation of cohesionless soil by the tracks of loading machines during turning. T. N. Osipenko, *Mor. por.*, nach. trudy, no. 2 146-152 '66.

Resistance to turning of a crawler tractor as related to its parameters. V. V. Gushkov, B. N. Pozin, *Trudy TSNIIMKSNII*, 3 115-221 '61.

Some results of studying the strength of the cast track link of the loaders. I. G. Popov, A. M. Chirapkin, A. K. Kiselev, *Izvest. sel'khoz. mash.*, no. 5 13-11 My '67.

Theoretical prerequisites for the selection of optimal running speed for crawler tractors. V. V. Gushkov, G. V. Kidatskaya, *Trudy TSNIIMKSNII*, 3 185-195 '61.

CREAM—GRADING AND STANDARDIZATION

(see also subdivision under Tatars A.S.S.R.)

CREASE-RESISTANT FABRICS

Effect of thermal treatment in crease-resistant finishing of cotton fabrics. D. Ananietova, I. A. V. Pak, Kh. U. Usmanov, *Dokl. AN Uz. SSR*, 23 no. 8 25-26 '66.

CREDIT

(see also subdivision under Uzbekistan, Vietnam, North)

Analysis of the efficiency of working capital and credit. N. I. Shor, *Den. i kred.*, 25 no. 4 21-26 Ap '67.

Credit and its development during the years of the peaceful building of the economy and the industrialization of the country, 1921-1929. V. Gerasimchenko, *Den. i kred.*, 25 no. 5 13-11 My '67.

Credits for expanding the production of consumer goods. S. Chernikov, *Den. i kred.*, 25 no. 4 21-23 Ap '67.

Local press on credit and payment relationships under the new conditions. Den. i kred. My '67.

On the optimal amount of credit. T. Zelgalvis, *Den. i kred.*, 25 no. 4 10-15 Ap '67.

Pension and charity funds in the credit system of capitalism. A. Anikin, G. Panamarenko, *Den. i kred.*, 25 no. 5 82-89 My '67.

Role of credit in the reproduction of capital assets. K. Pirozhak, *Ekonom. Rad. Ukr.*, 10 no. 4 46-43 Ap '67.

Some problems of planning for credit in the U.S.S.R. B. Shchunov, *Plan. khoz.*, 44 no. 6 87-90 Je '67.

Veteran of the credit system. M. Priadko, *Den. i kred.*, 25 no. 5 74-75 My '67.

CREDIT—CONGRESSES

Issuing credit to enterprises for the total loan required. Den. i kred. 25 no. 5 93-95 My '67.

CREDIT—PROBLEMS EXERCISES, ETC.

[Practical assignments in payment and issuing credit] *Prakticheskie zadaniya po raschetam i kreditovaniyu*. Moskva, Pt. 1, 1962. 87 p.

CREEP OF MATERIALS

Creep of a cylindrical layer subjected to lateral bending and longitudinal stretching. M. A. Zadoian, *Izv. AN Arm. SSR Mekh.*, 20 no. 2 45-55 '67.

Hardening of crystalline bodies by the method of stepped low-temperature creep. I. A. Gindin and others, *Dokl. AN SSSR*, 174 no. 1: 73-75 My '67.

Solution of a unidimensional problem of packing for a three-phase soil medium taking into account nonlinear creep. T. Shil'nikov, A. Dababekov, *Izv. AN Uz. SSR, Ser. tekhn. nauk*, 10 no. 5 27-32 '66.

Some results of investigating deformability of crystallite in terms of time. V. L. Vodop'yanov, A. M. Urzova, *Nauch. trudy PeimNIUI*, no. 7 263-272 '64.

Studying the laws governing the creeping processes of domain boundaries in sinusoidal and pulsed fields. R. V. Toksanin and others, *Izv. AN SSSR, Ser. fiz.*, 31 no. 5 702-715 My '67.

CREEP OF PLASTICS

Some problems in the creep of polyethylene pipes. R. S. Vas'kov, *Trud. LPI*, no. 278 13-19 '67.

CRESOL

Alkylation of phenols by bifunctional compounds. Report No. 17 Alkylation of cresols with 1,3-dichloropropane and 1,3-dithiolopropane. E. A. Viktorova, N. I. Shukin, E. A. Karakhanov, *Izv. VSSR, Ser. khim.*, no. 1 888-891 Ap '67.

Alkylation of phenols by bifunctional compounds. Report No. 18 Alkylation of m-cresol and its methyl ether by allyl halides. E. A. Viktorova, and others, *Izv. VSSR, Ser. khim.*, no. 4 891-895 Ap '67.

Industrial production of anti-oxidizing additive based on para-cresol. V. I. Isagulants and others, *Neftepr. i neftekhim.*, no. 3 11-14 '67.

Preparation of m-cresol by oxidative decarboxylation of o-toluic acid. G. D. Fikhsingovich, N. L. D'achenko, *Neftekhimika*, 7 no. 2 271-279 My-Apr '67.

CRIME AND CRIMINALS

(see also subdivision under United States)

Delimitation of the pilfering of socialist property and the criminal violation of the rules governing the use of natural resources. S. Koshkatov, *Sov. iust.*, 31 no. 10: 12-13 My '67.

CRIME PREVENTION

(see also subdivision under Vichuga, Ivanovo Province)

Crime prevention is the principal objective of communal counts. V. Kigler, *Sov. iust.*, 31 no. 9 11-12 My '67.

General supervision of the observance of laws and its role in crime prevention. P. P. Kichenko and others, *Rad. pravo*, 30 no. 5 37-41 My '67.

Let us improve the forms and methods of public participation in the struggle against crime. P. Shcherbnyuk, *Rad. pravo*, 30 no. 5 31-37 My '67.

CRIMEA—AGRICULTURE

The decisions of the Plenum of the Central Committee of the CPSU are being realized. B. Gul'tchak, *Part. zhizn'*, no. 11 8-13 Je '67.

CRIMEA—ALPINE FLORA

Comparison of the flora of the mountains of Crimea and Western Transcaucasia. N. I. Rubtsov, L. A. P. Ivalova, *Trudy GNB*, 35 5-13 '61.

CRIMEA—BEDSTRAW

Critical notes on some species of bedstraw in Crimea. K. P. Popov, *Ukr. bot. zhur.*, 21 no. 2 91-98 My-Apr '67.

CRIMEA—CENTAURAE

Guide to wild Centaurea L. of Crimea. N. B. Ilarionova, *Trudy GNB*, 35 257-262 '61.

CRIMEA—FORESTS AND FORESTRY

Wintering of juniper and pine forest plants on the southern shore of Crimea. N. B. Bellatina, *Trudy GNB*, 35 227-243 '61.

CRIMEA—HISTORY

[Studies in the history of the Crimea] *Ocherki po istorii Kryma. Simferopol', "Krym."* Pt. 4. [The Crimea during the Great Patriotic War and the period of the restoration and further development of its economy, 1941-1965] *Krym v period Velikoi Otechestvennoi voyny, v gody vosstanovleniya i dal'neshnego razvitiya narodnogo khoziaistva (1941-1965 gg.)*. 1967. 318 p.

CRIMEA—LEGUMINOSAE

Material on ecological and geographical characteristics of wild Leguminosae species in Crimea. I. V. Krikova, *Trudy GNB*, 35 199-226 '61.

CRIMEA—PLANE TREE

Distribution of plane tree in Crimea. I. E. Pashenichnyi, *Trudy GNB*, 35 245-256 '61.

CRIMEA—REVOLUTION, 1917-1921—CAMPAIGNS

Military operations of the Second Cavalry Army in the Crimea. V. Dushen'kin, *Voen.-ist. zhur.*, 9 no. 4 24-38 Ap '67.

CRIMEA—VEGETABLE TRADE—MANAGEMENT

Dispatching station on a state-farm vegetable garden. V. Stepanov, *Zakup. sel'khoz. prod.*, no. 5 34-36 My '67.

CRYSTALS—DEFECTS

Use of the method of computer mathematics in studying the defect configurations in crystals. R. D. Dokhner, A. N. Orlov. Izv. AN SSSR, Ser. fiz., 31 no. 5:851-853 My '67.

CRYSTALS—ELASTIC PROPERTIES

Statistical theory of the elastic properties of condensed media. V. B. Nemtsov, I. A. Roth. Dokl. AN SSSR 11 no. 4:310-313 Ap '67.

CRYSTALS—GROWTH

Effective distribution coefficients of aluminum and phosphorus in growing silicon needles from supercooled melt. I. M. Shashkov, V. P. Gushin. Izv. AN SSSR, Neorg. mat. 3 no. 5:755-759 My '67.

Coagency of parallel-columnar aggregates of the third type. A. G. Zhabin. Dokl. AN SSSR 173 no. 6:1111-1117 Ap '67.

Process of the geometrical selection in an aggregate of magnetite crystals. D. V. Besedlin. Zap. Vses. min. ch.-va 96 no. 1:89-93 '67.

Size effect of the crystal grain on the anisotropy and magnetic properties of thin permalloy films. I. A. S. Shur and others. Izv. AN SSSR, Ser. fiz., 31 no. 5:729-734 My '67.

Some properties of single crystals of solid solutions $Fe(Al_{1-x}P_x)$. L. A. Igolov and others. Izv. AN SSSR, Neorg. mat. 3 no. 5:881-883 My '67.

Studies in the field of growing optical crystals of fluorine compounds. B. I. Maksakov. Izv. AN SSSR, Ser. fiz., 31 no. 5:863-870 My '67.

CRYSTALS—OPTICAL PROPERTIES

Effect of impurities on the optical properties of laser crystals $CaF_2 - D_2$. S. Kh. Batygov and others. Izv. AN SSSR, Neorg. mat. 3 no. 5:760-768 My '67.

Infrared absorption of III-VI-type crystals. G. A. Akhmedov, T. G. Keimova. Opt. i spekt., 22 no. 1:654-655 Ap '67.

CRYSTALS—TESTING

Use of the methods of impression and scratching in studying the anisotropy of hardness in crystals. I. A. Bafai-skaya, M. I. Val'kovskaya. Zav. lab. 33 no. 3:155-158 '67.

CRYSTALS—THERMAL PROPERTIES

X-ray scattering in crystals due to temperature gradient. Part 1. P. A. Bezuganova. Zhur. tekh. fiz. 37 no. 6:121-126 Ju '67.

CRYSTALS, EFFECT OF TEMPERATURE ON

Theory of the state of a crystal at absolute zero. G. Ochin-bat. Vest. Mosk. un. Ser. 3 Fiz. i matem. 23 no. 3:1-14 My-Je '67.

CTENOPHARYNGODON—DISEASES AND PESTS

Case of hemorrhagic septicaemia in Ctenopharyngodon ulella (Val.). A. G. Komadi, K. A. Pakistovich. Izv. Gosnorkh 61:225-228 '66.

CUBA—DESCRIPTION AND TRAVEL

Gaidar, T. A. [From Havana by telephone]. Iz Gavan'y po telefonu. [Moskva] Molodaia gvardiya, 1967. 143 p.

CUBA—FOREIGN RELATIONS—UNITED STATES

Playing with fire. V. Andrianov. Agitator no. 2:19-10 Ja '61.

CUBA—LANDFORMS

Coastal relief of the island of Cuba. V. S. Ionin. Okeanologiya 7 no. 2:287-301 Mi-Apr '67.

CUBA—PEAT BOGS

Peat bogs of Cuba. I. A. L'vov. Izv. AN SSSR, Ser. geog. no. 3:23-42 My-Je '67.

CUBA—PRECIPITATION (METEOROLOGY)

Daily maximums of precipitation in Cuba. I. I. Trusov. Meteor. i gidrol. no. 6:70-73 Je '67.

CUBA—RELATIONS (GENERAL) WITH RUSSIA

Delegation of the Academy of Sciences of the U. S. S. R. to the Republic of Cuba at the conference of the representatives of the academies of sciences of socialist countries. N. M. Emanuel', G. A. Ilyukin, G. I. Rakhmaninov. Vest. AN SSSR 37 no. 3:215-218 Mi '67.

CUCUMBERS

Use of an artificial cover in raising early cucumbers. V. G. Lapitskii. Shkola i priroza 10 no. 9:84-85 S '66.

CULTIVATORS

These are not trifles. A. Mikhailov. Zvezdelice 29 no. 5:32-33 My '67.

CULVERTS

Designing culverts for the discharge of thawed waters. L. G. Babukhin. Avi. doi. 30 no. 5:22-23 My '67.

CUMENE

Mechanism of oxidation of isopropylbenzene on copper phthalocyanine. A. I. Min'kov, N. P. Koler, V. F. Anufriyenko. Khim. i tekhn. 8 no. 2:387-392 Mi-Apr '67.

Preparation of diisopropylpropane from isopropylbenzene hydroperoxide. I. M. Belik, A. M. Serdyukov, T. A. Mai'ashkina. Zhur. prikl. khim. 40 no. 3:636-639 Mi '67.

CUPOLA FURNACES—COMBUSTION

Theoretical bases of combustion processes in the oxygen zone of a bed charge in coke and coke gas cupolas. V. A. Fukiev, A. A. Olsar, F. F. Subhanulov. Izv. AN Uz. SSR, Ser. tekhn. nauk 10 no. 5:73-78 '66.

CUPOLA FURNACES—DESIGN AND CONSTRUCTION

Standardized closed cupolas. S. I. Chetverukhin, A. A. Udukan. It. priroza no. 5:9-10 My '67.

CUPOLA FURNACES—SAFETY MEASURES

Intensity of dust and gas liberation in cupola furnaces and its prevention. S. I. Lugovskii, I. S. Andrianov. Izv. vys. ucheb. zav. mashinosti no. 3:131-137 '67.

CURRENTS

(see also subdivision under North Kazakhstan Province)

Use of gliberellin in the propagation of black currents by cuttings and layerings. I. A. Karalanov. Fhlm. v sel' - khoz. 5 no. 5:18-22 '67.

CURRENTS—DISEASES AND PESTS

Decimation of current strikes. A. I. Bondarenko. Zashch. rast. 12 no. 5:39 '67.

Effect of complex microfertilizers on photosynthesis intensity in cotton. A. N. Nazirulov. Nauch. dokl. vys. shkoly, biol. nauk 10 no. 1:66-69 '67.

Effect of microelements on the development of black current infected with doubling. E. M. Maklakova. Nauch. dokl. vys. shkoly, biol. nauk 10 no. 1:90-92 '67.

CURRENCY CONVERTIBILITY

(see also subdivision under France)

The problem of currency convertibility. M. M. Onov. Vresh. tolg. 17 no. 1:36-10 '67.

CURRENTS (HYDROLOGY)

Laboratory study of the velocity and density field of a suspension flow. I. V. Pukhachova. Vest. Mosk. un. Ser. 5 Geog. 22 no. 2:103-108 Mi-Apr '67.

CUSHING'S SYNDROME

Focal lesions of the myocardium in Esenko-Cushing disease; electrocardiographic study. E. L. Kiliinskii, A. I. Bukhman. Kardiologiya 7 no. 3:103-106 Mr '67.

CUTTING MACHINES

Device for the cutting of tendon heads. K. S. Gorbunov. Shkola i priroza 10 no. 9:72-73 S '66.

Machines for lateral cutting of paper. G. D. Orlov. Biok. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 20 no. 6:34-35 My '67.

Nomogram for determining the cutting force for circular merchant shapes on presses and pressed sheets. V. T. Sinitsev, I. V. Kharin, A. S. Smirnov. Avt. prom. 13 no. 5:35 My '67.

Resistance in cutting fish at various temperatures. V. G. Proselkov. Ryb. khoz. 43 no. 5:57-59 '67.

Sharpening the curved edges of cutters. I. I. Feiman. Izv. vys. ucheb. zav. tekhn. tekhn. prom. no. 1:171-175 '67.

CYANAMIDE

Rapid spectrophotometric determination of cyanamide. M. Takimoto, M. Sawada. Zav. lab. 33 no. 3:206 '67.

CYANIDATION

Cyanation of ruthenium salts. A. N. Nemeshegyi and others. Izv. AN SSSR, Ser. khim. no. 4:935-937 Ap '67.

CYANIDE PROCESS

Gold and silver extraction from cyanide solutions by technical amine mixtures. A. S. Chernyak and others. TSvet. met. 40 no. 4:23-25 Ap '67.

CYANOETHYLATION

Kinetics of cyanoethylation of HCN on heterogeneous catalysts. N. A. Datin and others. Dokl. AN Azerb. SSR 23 no. 1:10-21 '67.

CYANOSIS

Changes in the coagulation and anticoagulation systems of the blood in patients with congenital cardiac defects of the cyanotic type. S. E. Iufit, F. I. Zargari, V. E. Tolpekin. Kardiologiya 7 no. 3:136-137 Mr '67.

CYBERNETICS

The "activity" and "purpose" categories in the light of the principal concepts of cybernetics. B. S. Ukrainets. Vop. filoz. 21 no. 5:60-69 '67.

Industrial design and cybernetics. V. Sarukhanov. Prom. Arm. 10 no. 4:58-59 '67.

Mathematical and cybernetic methods of research in education. L. B. Itelson. Nov. issl. v ped. nauk. no. 4:104-111 '65.

Modelling and neurocybernetics. B. V. Biriukov, E. S. Geller. Piroda no. 4:42-16 Ap '67.

The place of cybernetics in the system of sciences. V. P. Shvokhlopas. Filoz. prob. such. prirod. no. 6:106-117 '66.

Seminar "Fiziko-tekhnologicheskie voprosy kibernetiki." [Physicotechnological problems in cybernetics, papers]. Seminar "Fiziko-tekhnologicheskie voprosy kibernetiki", [doklady]. Kiev. No. 1 1967. 88 p.

Sharol', L. I. ["Ensemble of two brains"] "Ansambli' dvukh mozgov." Tambov, Tambovskoe knizhnoe izd-vo, 1964. 33 p. (Biblioteka novatora, no. 2)

CYBERNETICS—ABSTRACTS

[Journal of abstracts: Cybernetics] Ref. zhurn. Kib. no. 5-6 My-Je '67.

CYCLIC COMPOUNDS—DIPOLE MOMENTS

Dipole moments and conformation of cyclic compounds. Part 3. Sulfites. B. A. Arbutov, O. D. Zolova, L. K. Iudinshva, Zhur. strukt. khim. 8 no. 2:291-295 Mi-Apr '67.

CYCLODODECANONE

Preparation of 10 decanediole acid by liquid-phase oxidation of cyclododecanone. K. M. Sukova and others. Neftekhimiya 7 no. 2:270-273 Mi-Apr '67.

CYCLOHEXANE

Correlation between some properties of stereoisomeric dialkylcyclohexanes and their thiolate adducts. B. M. Ierman, A. L. Liberman. Dokl. AN SSSR 173 no. 6:1339-1340 Ap '67.

Phase equilibrium and volume ratio in the binary cyclohexane system. M. S. Rozhnov. Khim. prom. Ukr. no. 3:26-30 My-Je '67.

Stability of γ -hexachlorocyclohexane under conditions of continuous distillation of benzene. G. M. Strongin and others. Khim. prom. 42 no. 9:33-5 '66.

Studying deuterium exchange reactions of cis- and trans-isomers of 1,2-dimethylcyclohexane and decalin in their dehydrogenation on nickel catalyst. D. M. Shipov, A. A. Anshchikov, B. S. Gorkov. Neftekhimiya 7 no. 2:181-190 Mi-Apr '67.

Studying thermal decomposition of derivative of cyclohexene hydrocarbons. S. D. Mel'dtiev and others. A'er. i kosm. 16 no. 5:34-35 My '67.

CYCLOHEXANE, EFFECT OF RADIATION ON

Effect of dose rate on kinetics of radiolysis of cyclohexane. Cyclohexane as a chemical dosimetric system. V. I. Makinova, L. S. Polak. Neftekhimiya 7 no. 2:216-223 Mi-Apr '67.

Mechanism underlying the action of inhibitors in the radiolysis of cyclohexane. I. S. Polak, N. A. Cherniak, A. S. Shcherbakova. Khim. vys. energ. 1 no. 3:220-226 My-Je '67.

CYCLOHEXANONE

Functions of catalyst in liquid-phase oxidation of cyclohexanone. K. A. Chervinskii, V. N. Mat'psev. Neftekhimiya 7 no. 2:264-269 Mi-Apr '67.

CYCLOHEXENE

Catalytic isomerization of cyclohexene on aluminum oxide. Part 2: Isomerization of 1-methyl-3-cyclohexene and 1-ethyl-1-cyclopentene. A. A. Kabanov, I. V. Smirnova, K. V. Topchikova. Khim. i tekhn. 8 no. 2:351-356 Mi-Apr '67.

Conversion of cyclohexene on a rhodium catalyst. A. M. Sokol'skaya, K. K. Kuz'menev. Vys. ucheb. zav., khim. i tekhn. 10 no. 3:285-287 '67.

Conversions of cyclohexene on crystalline aluminosilicates of different structure. E. M. Benashvili and others. Soob. AN Gruz. SSR 46 no. 1:75-82 Ap '67.

Study of the kinetics of cyclohexene bromination by means of differential-thermal analysis. Chen. Tom. Kha. G. B. Sui-gee, I. I. Kun-kaitse. Vest. Mosk. un. Ser. 2 Khim. 23 no. 2:28-30 Mi-Apr '67.

CYCLOHEXENECARBOXYLIC ACID

Some reactions of aryltetrahydrophthalic and aryltetrahydrobenzoic acids. V. R. Skvarenchenko and others. Trudy BKNII no. 20:154-162 '66.

Tetrahydrobenzoic acids. D. T. S. Sybikova, V. R. Skvarenchenko, R. I. A. Levina. Trudy BKNII no. 20:153-166.

CYCLOHEXENONE

Inhibition of monamine oxidase activity by 2-n-acetylaminocyclohexen-2-one and related compounds. K. M. El'molaev and others. Vop. med. khim. 13 no. 3:286-290 My-Je '67.

CYCLOHEXYLAMINE

Preservation by dicyclohexylamine nitrite inhibitors. V. Putlov. Tyt. i snab. Sov. Vost. Sib. 27 no. 11:83-85 N '60.

CYCLOONES

Wind regime in subtropical latitudes during development of summer circumpolar anticyclone. I. V. Bugaeva. Meteor. i gidrol. no. 4:82-85 Ap '67.

1. *Effect of the level of the disease on the biological results of the treatment.* The results of the treatment of the disease are not the same for all levels of the disease. The results of the treatment of the disease are not the same for all levels of the disease. The results of the treatment of the disease are not the same for all levels of the disease.

Effect of temperature and development of pollen grains in
 relation to the development of male sterility
 in *Brassica napus* L. 1934-35 324-37 May-June 1937

1. The following information is for the language of the
 2. The following information is for the language of the
 3. The following information is for the language of the

1. The first group of monuments of the Old Czech
 2. The second group of monuments of the
 3. The third group of monuments of the
 4. The fourth group of monuments of the

CZECH SCIENTISTS see Scientists, Czech

CZECHOSLOVAKIA—BAKED PRODUCTS, FROZEN
 The following table lists the principal baked products in Czechoslovakia, by type of product, and by kind of grain used.

CZECHOSLOVAKIA—CONDENSERS (ELECTRICITY)
The following types of condensers used in the manufacture
of ammonia by the "Tesla" Company in Czechoslo-
vakia V. Fuchsa and others Trade LIT no 276
102 100 47

CZECHOSLOVAKIA—CONSTRUCTION INDUSTRY—
MANAGEMENT

**CZECHOSLOVAKIA—EXCHANGES OF PATENTS AND
TECHNICAL INFORMATION**

Participation of the Czechoslovak concern "Skoda" in the international scientific and technological exchange of patents and licenses I. P. Slet Vop izob. no 10 37 0 1/6h

CZECHOSLOVAKIA—FARM MECHANIZATION
Technical reconstruction of Czechoslovak agriculture
in 1949-1960 V. Mat'ina, G. Hlavashko, So. Slav.
no 3 31 44 M. - 16 '67

CZECHOSLOVAKIA—FOREIGN RELATIONS
 foreign relations of the Czechoslovak Socialist Republic
 at the present stage Václav David, Mezhdunar. zhizn'
 13 no. 9-10-1967

CZECHOSLOVAKIA—GAS DETECTORS
International acoustic device for detecting gas leakages.
L. Shtutsek Gaz.prom. 12 no 5 43-44 My. 1967.

ECOSLOVAKIA—MIGRATION, INTERNAL

ECHEOSLOVAKIA—MOTOR VEHICLES
Vehicle on rubber paws 1-cbr. 1 at 5 no 11 30-31 N
06

CZECHOSLOVAKIA—PRODUCE TRADE
The characteristics of state deliveries in Czechoslovakia,
Vil'shin zakup., sel'khoz prod no 234 T '67.

RUSSIA
Czechoslovakia—Relations (General) With
Czechoslovak Friendship, "a collection of
documentary materials" M V Susnov Sov Arkh
2 87-82 467

CZECHOSLOVAKIA—ROAD ROLLERS
vibrator, rollers made in Czechoslovakia Stroj, i
t mash 12 no 121-22 J, 1967

CZECHOSLOVAKIA—TECHNOLOGY—INFORMATION SERVICES

CHOSLOVAKIA—TEKTITE
findings and new sites of tektites in southern
Czechoslovakia Report No 2 Meteoritika, no. 27, 141-
146

(INSECTICIDE)
ge in the microflora and the pH value of hemolymph
the larvae of the Colorado beetle under the effect of
white muscardine fungus (*Beauveria bassiana* (Bals)
H) and DDT. V. P. Pristavko Zashch. rast. [Kiev]
17-59 '67.

Effect of the white muscardine fungus (*Beauveria bassiana* (Bals.) Vuille) and sublethal DDT doses on the change in the hemolymph and liberation of the *C. vicina* beetles. I. V. Sikura. Zashch. rast. [Khv.] no. 190, 1961, 607.

Effectiveness of the biological preparation in control combined with DDT against the European corn borer *Pyrausta nubilalis* Hb. in the conditions of the forest steppe of the Ukraine. Zh. D. Kudach, Zashch. 1967, [Kiev], no. 1:29-33, 167.

DABROWSKI, JAROSLAW, 1838-1871
The escape of Jaroslaw and Pelagia Dabrowski in V.V.
Nizhniy Novgorod, no 167-71 My 1867

Effect of the mil treatment on the change of the mechanical properties of tires in the 10 to 100 min. interval, which gave the best results from the 30-110 min. interval.

DAGHESTAN—AGRICULTURE

The collective farm economy of Daghestan after the Plenum of the Central Committee of the CPSU in September 1953 (1953-1960). V. K. Kalanov, Chief of the Dagestani ASSR, 10-11-16-3 462

Farming system for Daghestan. B. G. Ibragimov, Chief of the Dagestani ASSR, 12-10-11-17-18 467

33 no 5 10-11 My 1967

AGHISTAN—COLLECTIVE FAIRNESS
The collective farm economy of Daghistan after the
Plenum of the Central Committee of the CPSU in
September 1953 (1953-1960) A. K. Kharitonov, Ufa, 1961
IHAI Dagh in AN SSSR 10:131-161 '69

DAGESTAN—ECONOMIC CONDITIONS
The role of Dagestan trade unions during the past year in the building of socialist competition in the fish industry is planned, I. K. Kerkurov, *Izh. zap. III V. Dagest. RA*, 1989-190, 162.

AGHISTAN—GAS CONDENSATE FIELDS

AGRESTIAN—IRRIGATION FARMING—EQUIPMENT
AND SUPPLIES
Machinery and equipment in irrigation farming: 1. Agriculture
Zemledec 29 no 5 11 May '67

DAGHISTAN—PALEONTOLOGY

On the history of the struggle of the peasants of southern Dagestan against serfdom in the 19th century. Kh. Kh. Ramazanov Uch zap. IMAI, Dagest. 1954, 10-5-21 '62

OGHESTAN—REVOLUTION, 1917-1921
Control by the workers in Daghestan V. N. GIAN, author.
Jch.zap. IIAL Dag fil AN 555R 10:6G-8B '43.

GUJESTAN—SEPOLCHRAL MONUMENTS
pulpchral monuments of Daghestan of the 15th-18th
centuries P. M. Dezhnev, Izk. zap. IRII, Ser. 11, 1952
ISSR 10-199-213 162

GHESSTAN—TOMBS
nch burial ground from the Bronze Age to the
Sadykhov, Uchiyapa, BIAL Dag, RA AN SSSR 10-10-66
58 '62

1939-110 '62.

GHISTAN—WOMEN IN INDUSTRY
Employment of women from the mountains in Irkutsk, I. Gaganova, Uch.zap. IRIAL, Dag. fn AN SSSR Ju. 1-130 '62.

HOMEY ART see Art, Dahomey

stability of milk yield and percentage of milk fat in
 cows of a breeding farm herd N. N. Malhotov, D. I.
 Smichuk, TSU, Leningrad, no. 3 69-78 May 1967.

all obligations of the workers and the scientific,
engineering, technological and office staff of the dairy
industry of the U S S R in honor of the 50th
anniversary of the Great Socialist October Revolution
of the U S S R no 5 1-3 My 1967.

Dairy Industry—Management

Physiological recommendations for the scientific organization of dairy farming in the USSR. *Izv. AN SSSR, Mekh. i fiz. nauk* 1967, 10, 2, 108-110. My '67.

Dairying—Finance

see subdivision under Kharkov Province

Dams

(see also subdivision under Kiteynya River)

Water flow over a dam. V. M. Bagin. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Dante, Alighieri, 1265-1321

Biographical Commission of the Academy of Sciences of the USSR. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

The Dante Committee of the Academy of Sciences of the USSR. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Some results of the "Dante Year" (1965) in the Soviet Union. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Danube River—Water—Microbiology

General amount and biomass of bacteria in water of some Danube tributaries. D. Kutiiev. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Danube Valley—Saline and Alkali Soils

Soils in the floodland of the Danube River and their salinization, alkalinization, and reclamation. G. Oberbauer and others. *Pochvovedenie* no. 1, 1967, 10, 2, 108-110. My '67.

Darvasun (Chita Province)—Ore Dressing Plants—Equipment and Supplies

Experience in the industrial introduction of the stage, the public commissioning of the Darvasun Ore Dressing Plant. V. I. Mikhaylov and others. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Dargwa

Dargwa settlements of the 19th-20th century. M. Z. Gomanov. *Uch. zap. IIAL Darg. fil. AN SSSR* 10, 2, 108-110. My '67.

Darkling Beetles

see subdivision under Kazakhstan, Kyzyl Kum

Data Tapes

Optical reproduction of a magnetic recording. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Data Transmission Systems

Increasing the reliability of data transmission in compensation of transient processes in channels with phase distortions. A. V. Mikhailov. *Elektronika* 21 no. 1, 1967, 10, 2, 108-110. My '67.

Date

Date sorts and storage. I. Lemeshenko. *Sov. torg. delo* no. 5, 1967, 10, 2, 108-110. My '67.

Datura

see subdivision under Azerbaijan

Death, Apparent

Effect of clinical death on the osmotic sodium clearance and the composition of urine. N. M. Kidanov. *Pat. fiziol. i eksp. terap.* 11 no. 1, 1967, 10, 2, 108-110. My '67.

Massapheresis and infusion of erythrocytes in the resuscitation period following prolonged clinical death. L. G. Shukhova. *Probl. gomat. i perel. krov. i limf.* no. 5, 1967, 10, 2, 108-110. My '67.

Decanedioic Acid

Preparation of 10 decanedioic acid by liquid-phase oxidation of cyclohexanone. K. M. Sokova and others. *Neftekhimiya* 7 no. 2, 1967, 10, 2, 108-110. My '67.

Decorations of Honor

Decorations of the Red Banner Order. V. Petrov. *Mol. komm.* no. 5, 1967, 10, 2, 108-110. My '67.

Deep Drawing (Metalwork)

Clamping force during deep drawing of large axially symmetric parts. D. F. Tsvetkov, I. P. Vedmed', V. I. Dubina. *Kuz. i shtam. prozv.* 9 no. 5, 1967, 10, 2, 108-110. My '67.

Seemaking for deep and very deep drawing in member countries of the Mutual Economic Assistance Council. I. S. Matkhovskii, V. M. Borovskii, M. R. Tsyrlin. *Mot. i gornorud. prom.* no. 2, 1967, 10, 2, 108-110. My '67.

Deep-Sea Sounding

Submarine laboratory "Benthos-300". A. N. Dmitriev. *Sudostroenie* 57 no. 2, 1967, 10, 2, 108-110. My '67.

Deformation of Surfaces

see Surfaces, Deformation of

Deformations (Mechanics)

Behavior of soft steel inserts under recurrent static bending loads. I. V. Kudrjavtsov, L. A. Sosnovskii. *Zav. lab.* 33 no. 3, 1967, 10, 2, 108-110. My '67.

Calculating a foundation plate rigidly clamped at its ends to foundation walls. K. Gaffarov, K. K. Kazakbaev. *Izv. AN Uz. SSR, Ser. tekhn. nauk* 10 no. 5, 1967, 10, 2, 108-110. My '67.

Change in compactness and coefficients of transverse deformation of hard alloys. V. M. Pechetkin. *Poiskov. met.* 7 no. 1, 1967, 10, 2, 108-110. My '67.

Criterion for the evaluation of Hauser's effect. K. F. Kozlov. *Trudy LPI* no. 278, 1967, 10, 2, 108-110. My '67.

Detonation characteristics of flat rubber membranes. M. V. Vakhovskii, G. M. Baitenov, A. I. Ibratov. *Fiz. i khim. tverd. tel.* 26 no. 5, 1967, 10, 2, 108-110. My '67.

Development of slip bands on a steel surface during fatigue testing. A. V. Gantsev, G. M. Stetsko. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Distribution of plastic deformations in polycrystalline metals. B. A. Kuznetsov. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Effect of deformation on the angular distribution of annihilation quanta in nickel and copper alloys. A. A. Adamenko, I. I. Dekhtlar, V. S. Mikhalenko. *Dokl. AN SSSR* 173 no. 12, 1967, 10, 2, 108-110. My '67.

Effect of deformation produced by tension on isothermal transformation of supercooled austenite in 40KhSA steel. S. M. Baranov, T. M. Lukhina, S. I. Karatashin. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Effect of deformations on transformations during the annealing of Ni-Mo alloys. A. N. Dubrovina, I. A. S. Uman'skii. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Effect of die deformation on distribution of normal stresses at contact surface during upsetting of thin blanks. P. F. Ivanushkin, V. I. Dorozhko. *Kuz. i shtam. prozv.* 9 no. 5, 1967, 10, 2, 108-110. My '67.

Effect of graphite inclusions on plastic deformation and buckling of cast iron. O. U. Kotsubinski, I. I. Oberman. *Lit. prozv.* no. 1, 1967, 10, 2, 108-110. My '67.

Effect of liquid lead-antimony melts on crack formation in deformed steel. S. M. Baranov, S. I. Karatashin. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Effect of lithium on the mechanical properties of aluminum. V. V. Popovich, I. G. Shlyabo, M. I. Chuvpiskii. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Lamination of the working rolls during sheet rolling. S. N. Vysockovskii, L. V. Anshuk, V. A. Sokolov. *Teor. i prakt. met.* no. 7, 1967, 10, 2, 108-110. My '67.

General solutions of problems on finite elastic deformations caused by stretching, bulging and torsion of sectional pipes. K. S. Chobanov, R. E. Mikhaylov. *Izv. AN Arm. SSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Generalized diagram of cyclic deformation caused by an asymmetric loading cycle. G. G. Medvedev, R. M. Shneiderov. *Mashinostroyeniye* no. 7, 1967, 10, 2, 108-110. My '67.

Mechanism of hot crack formation during welding. V. P. Demantsev. *Svar. prozv.* no. 3, 1967, 10, 2, 108-110. My '67.

Metal indentation with a simultaneously rotating rounded punch in presence of friction. N. I. Valodin. *Kuz. i shtam. prozv.* 9 no. 4, 1967, 10, 2, 108-110. My '67.

Plastic deformations caused by combined loading. S. A. Chuvpiskii. *Trudy LPI* no. 278, 1967, 10, 2, 108-110. My '67.

Recipitation hardening of alloys deformed at high speed. V. P. Sukhovarov, L. A. Kudrjavtseva, A. I. Koltchinskii. *Izv. AN SSSR, Mekh. i fiz. nauk* no. 2, 1967, 10, 2, 108-110. My '67.

Properties of films deposited on previously deformed bakings. K. A. Kuznetsov. *Izv. AN SSSR, Ser. fiz. i khim. nauk* no. 5, 1967, 10, 2, 108-110. My '67.

Sandstone extension and compression diagrams. I. S. Butskiy. *Trudy LPI* no. 278, 1967, 10, 2, 108-110. My '67.

Use of the moiré effect in studying plastic deformation. I. I. Yulishin, A. B. Kudrin, V. K. Vorontsov. *Zav. lab.* 33 no. 3, 1967, 10, 2, 108-110. My '67.

Degeneration (Pathology)

Dinburg, A. D., and others. [Diseases of the nervous system in degenerative processes of the spine.] *Zabolevaniya nervnoy sistemy pri degenerativnykh protsessakh pozvonochnika*. Kiev, Zdrav'ya, 1967. 387 p. (DNL)

Degtyarka (Sverdlovsk Province)—Nonferrous Metal Industries

Technology of processing copper-zinc ores of Degtyarka deposit. M. I. Ryskin, N. M. Bazanova. *Tsvet. met.* 40 no. 5, 1967, 10, 2, 108-110. My '67.

Dehydration (Chemistry)

Dehydrating capacity of acids dependent on the method of its activation. V. S. Komarov, I. N. Volnitskiy, A. I. Gornik. *Zhur. prikl. khim.* 40 no. 3, 1967, 10, 2, 108-110. My '67.

Dehydration and granulation of urea solutions in a fluidized bed. S. M. Danov and others. *Khim. prom.* 42 no. 6, 1967, 10, 2, 108-110. My '67.

Dehydrogenases

Determining L-aspartic acid β -semialdehyde dehydrogenase activity in Myobacterium album, strain 13. I. N. Korashevich, S. A. Butenko. *Mikrobiologiya* 36 no. 2, 1967, 10, 2, 108-110. My '67.

Dehydrogenation

Catalytic dehydrogenation of isopentane at reduced pressure. O. D. Sterligov, T. G. Olforova. *Kin. i kat.* 8 no. 2, 1967, 10, 2, 108-110. My '67.

Dehydrogenation of butane in presence of ethylene as a hydrogen acceptor on chromia-alumina catalyst. K. P. Lavrovskii and others. *Neftekhimiya* 7 no. 2, 1967, 10, 2, 108-110. My '67.

Effect of inert diluents on the dehydrogenation of isopentane by iodine. V. I. Iden'kov, V. I. Vikonov. *Dokl. AN SSSR* 171 no. 1, 1967, 10, 2, 108-110. My '67.

Effect of the reduction by hydrogen of alumina-chromia-potassium catalyst on its activity in the dehydrogenation of butane to butylenes. I. V. Khudakov, O. D. Sterligov, K. M. Minachev. *Kin. i kat.* 8 no. 2, 1967, 10, 2, 108-110. My '67.

Fast acting catalysts for paraffin hydrocarbon dehydrogenation. B. A. Kazanskii and others. *Khim. prom.* 42 no. 11, 1967, 10, 2, 108-110. My '67.

Horizontal electric dehydrogenator with bottom feed of the raw material. A. I. Pankovskii. *Khim. i tekhn. topol. i masht.* 12 no. 3, 1967, 10, 2, 108-110. My '67.

Mechanism of diene synthesis by catalytic oxidative dehydrogenation. S. Z. Roginskii, M. I. Ivanovskii, R. A. Zimin. *Neftekhimiya* 7 no. 2, 1967, 10, 2, 108-110. My '67.

Studying deuteration exchange reactions of cis- and trans-isomers of 1,2-dimethylcyclohexane and decalin in their dehydrogenation on a nickel catalyst. D. M. Shopov, A. A. Audreecv, B. S. Guekov. *Neftekhimiya* 7 no. 2, 1967, 10, 2, 108-110. My '67.

Delhi Boil

(see also subdivision under Mugab Valley, Tedzhen Valley)

Materials on some problems of the epidemiology of enteric diseases of the rural type. G. A. Gubikhanov and others. *Med. paraz. i paraz. bol.* 36 no. 3, 1967, 10, 2, 108-110. My '67.

Delivery of Goods

New relationships between an automotive transportation unit and a metal supply base. V. Chernyshev. *Met. i tekhn. prozv.* no. 5, 1967, 10, 2, 108-110. My '67.

Delivery of Goods (Law)

Decisions of arbitration agencies. *Sots. zakon.* no. 5, 1967, 10, 2, 108-110. My '67.

Legal status and forms of the participation of the recipients of merchandise in checking the number of delivered goods. I. F. Akhmedov. *Rad. pravo* 30 no. 5, 1967, 10, 2, 108-110. My '67.

Relations among participants in the direct transportation of goods. L. I. Semenova. *Vest. LGU* 22 no. 5, 1967, 10, 2, 108-110. My '67.

Some characteristics of the verification of quality of delivered goods. L. I. Holombo. *Rad. pravo* 30 no. 5, 1967, 10, 2, 108-110. My '67.

Some problems concerning the conclusion of delivery of goods contracts. E. V. Katkova. *Trudy Irk. un.* 30, 1967, 10, 2, 108-110. My '67.

Some unsolved problems in the application of the principle of execution in delivery of goods contracts. Z. G. Kuylova. *Trudy Irk. un.* 30, 1967, 10, 2, 108-110. My '67.

Delphinium

Study of peroxidase and polyphenoloxidase activity in the aerial organs of *Consolida venensis* (L.) Opir. II. M. P. Yehukh. *Trudy Irk. un.* 30, 1967, 10, 2, 108-110. My '67.

Dementia Praecox

see Schizophrenia

Demini, Mikhail

The place of action in the taiga. V. Drobyshev. *V mire knig* no. 3, 1967, 10, 2, 108-110. My '67.

Democracy

Connection between the struggle for democracy and the present-day struggle for socialism. A. D. Kosichov. *Vest. Mosk. un. Ser. Filol.* 22 no. 1, 1967, 10, 2, 108-110. My '67.

[Problems of democracy in the modern world.] *Problemy demokrati v sovremenom mire*. Moskva, MO, 1967. 238 p.

Demography

The theory of population today. P. F. Borisenkov, T. V. Korneeva. *Vat. vys. shkoly* 25 no. 1, 1967, 10, 2, 108-110. My '67.

Denmark—Hydrobiological Research

Biological station in Helsingør. A. P. Kuznetsov. *Priroda* no. 1, 1967, 10, 2, 108-110. My '67.

Densitometers

Control of the density and expenditure of milk of Hime. F. A. Samonov, A. S. Sidorov, V. V. Radchenko. *Sakh. prom.* 41 no. 5, 1967, 10, 2, 108-110. My '67.

Use of the PPI-5 densitometer in the starch and molasses production. A. S. Sidorov, E. G. Starichenko. *Sakh. prom.* 41 no. 5, 1967, 10, 2, 108-110. My '67.

Dentistry, Operative

Two cases of a tooth replantation. A. A. Akhmedov. *Az. med. zhur.* 44 no. 1, 1967, 10, 2, 108-110. My '67.

Deodorization

Use of inert gas during the operation of the "De-Smet" deodorizing unit. A. G. Seigeev, N. I. Chetkov. *Mosk. i zh. irk. un.* 33 no. 3, 1967, 10, 2, 108-110. My '67.

... the fundamental equations ...
... project space G. N. Pevadze ...
... integral equations ...
... system of equations in generalized ...
... boundary value problem ...
... differential equations ...
... numerical methods ...
... approximation ...
... stability ...
... convergence ...
... error ...
... accuracy ...
... precision ...
... reliability ...
... validity ...
... consistency ...
... robustness ...
... efficiency ...
... effectiveness ...
... productivity ...
... performance ...
... quality ...
... quantity ...
... frequency ...
... duration ...
... volume ...
... weight ...
... height ...
... width ...
... depth ...
... length ...
... area ...
... volume ...
... mass ...
... energy ...
... power ...
... force ...
... pressure ...
... temperature ...
... velocity ...
... acceleration ...
... displacement ...
... distance ...
... time ...
... angle ...
... frequency ...
... wavelength ...
... period ...
... amplitude ...
... phase ...
... frequency ...
... wavelength ...
... period ...
... amplitude ...
... phase ...

... the fundamental equations ...
... project space G. N. Pevadze ...
... integral equations ...
... system of equations in generalized ...
... boundary value problem ...
... differential equations ...
... numerical methods ...
... approximation ...
... stability ...
... convergence ...
... error ...
... accuracy ...
... precision ...
... reliability ...
... validity ...
... consistency ...
... robustness ...
... efficiency ...
... effectiveness ...
... productivity ...
... performance ...
... quality ...
... quantity ...
... frequency ...
... duration ...
... volume ...
... weight ...
... height ...
... width ...
... depth ...
... length ...
... area ...
... volume ...
... mass ...
... energy ...
... power ...
... force ...
... pressure ...
... temperature ...
... velocity ...
... acceleration ...
... displacement ...
... distance ...
... time ...
... angle ...
... frequency ...
... wavelength ...
... period ...
... amplitude ...
... phase ...
... frequency ...
... wavelength ...
... period ...
... amplitude ...
... phase ...

Character of the spectrum of the first boundary value problem for equations of higher order in infinite domains. G. N. Pevadze. *Mat. zam.* 1 no 5 575-582 '67.

Difference schemes on nonuniform difference functions for the one-dimensional heat conduction equation. V. A. Gulim. *Shor. rab. VTS MGU* no 6 162-179 '67.

Difference scheme with front identification for solving multi-front Stefan-type problems. L. M. G. N. T. Gol'dman, A. B. G. Spitsin. *Shor. rab. VTS MGU* no 6 216-216 '67.

Eigenvalues and eigenfunctions of finite difference problems of Dirichlet and Neumann for the Helmholtz equation. L. M. Lashenko. *Dop. AN URSR, Ser. A* 29 no 4 410-419 '67.

Existence and uniqueness of the solutions to some boundary value problems for mixed type equations. I. D. Drzhanov. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 11 no 3 10-16 '67.

The fixed point principle. V. I. A. Stepanko, B. Kozlov. *Dokl. AN Tad. SSR* 10 no 2 8-11 '67.

Galerkin's approximations to the solution of the nonlinear problem of the equilibrium of a circular cylindrical shell loaded plate. N. I. Monogov. *Izv. AN Arm. SSR* no 6 96-100 '67.

The index and normal solvability of boundary value problems for composite type systems. A. S. B. Lashenko. *Dokl. AN Tad. SSR* 10 no 2 24-27 '67.

Method for the numerical solution of the third boundary value problem for a parabolic equation in a polygonal parallelepiped. V. B. Anichin. *Shor. rab. VTS MGU* no 6 61-73 '67.

Method of splitting the operator in solving the third boundary value problem for parabolic equations. I. D. Drzhanov, V. I. Lebedev. *Shor. rab. VTS MGU* no 6 113-113 '67.

Note on the method of fictitious domains. L. A. Bul'tov. *Dokl. AN Tad. SSR* 10 no 1 69-70 '67.

Numerical solution of a two-phase Stefan system. V. A. Volkov. *Shor. rab. VTS MGU* no 6 217-219 '67.

On a problem of the directional derivative type for a system of two harmonic functions. V. I. Shchepin. *Dokl. AN URSR, Ser. A* 29 no 5 132-136 '67.

Periodic electrostatic focusing of beams with elliptical cross section. V. A. Surov. *PMET* no 10 12-12 '67.

Physically nonlinear problems for a plate weakened by circular holes. O. S. Lashenko. *Dokl. AN URSR, Ser. A* 29 no 5 119-123 '67.

Principle of the maximum and boundary conditions of the solution to the first boundary value problem for a parabolic equation in the non-cylindrical domain. I. I. Kamynin. *Shor. rab. VTS MGU* no 6 113-113 '67.

Problem for degenerate equations with discontinuous coefficients. G. K. Nanaev, A. A. Habaev. *Izv. AN Azerb. SSR, Ser. fiz.-mat. nauk* no 6 6-11 '67.

A singular problem with Frankl's and Poincaré's conditions. M. P. Lashenko, S. P. Pashin. *Dokl. AN URSR* 11 no 1 21-26 '67.

Solvability in W_2 of the Dirichlet problem in a domain with a smooth irregular boundary. V. G. Mal'ba. *Vest. LGU* 22 no 7 87-95 '67.

Solvability of boundary value problems describing movement of nonlinear Maxwell bodies. B. M. Naimik. *Vysk. zham.* no 1 111-119 '66.

Solving boundary value problems by iterative method. V. F. Shamanskii. *Zham. vych. mat. i mek.* 7 no 4 541-550 '67.

Some estimations of solutions to the Dirichlet problem. A. D. Aleksandrov. *Vest. LGU* 22 no 7 10-20 '67.

Some mathematical problems in chromatography. A. I. Kuznetsov. *Shor. rab. VTS MGU* no 6 212-218 '67.

Temperature fields in multilayer systems with constant thermophysical properties. I. G. Mirovich. *Vysk. zham.* 12 no 1 181-190 '67.

Uniformly nonelliptic problems. Part 2. B. H. Vashin, V. V. Gushin. *Mat. shor.* 73 no 1126-1134 '67.

Use of Newton's method in solving nonlinear boundary value problems. B. M. Budak, N. I. Gol'dman. *Shor. rab. VTS MGU* no 6 17-23 '67.

Use of operators of fractional power in studying quasilinear parabolic and elliptic equations and systems. P. E. Solovetskii. *Ukr. mat. zh.* 10 no 1 121-131 '67.

Use of tabulated functions in solving the nonsteady-state problem of diffusion on an impedance wedge. T. I. Sakharova, A. I. Lippov. *Zham. vych. mat. i mek.* 7 no 3 568-579 '67.

Use of the locally one-dimensional method in solving the heat conduction problem in cylindrical coordinates. A. I. Samarskii, S. B. Mosinokan. *Shor. rab. VTS MGU* no 6 55-63 '67.

Variational of an implicit difference scheme, with front element in the network node, for solving Stefan-type problems. B. M. Budak, I. P. Vashin, A. T. Lashenko. *Shor. rab. VTS MGU* no 6 231-241 '67.

Variational principles for problems of nonsteady-state heat conduction. L. I. Anichin. *Vysk. zham.* 12 no 1 465-468 '67.

DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

Aleksudze, M. A., and K. V. Pertin. [Universal programs for solving the Dirichlet problem for Laplace and Poisson equations] *Universal'nye programmy resheniya zadach Dirikhe i d'ya uravneni Laplasi i Puassona*. Tbilisi, Metsnereia, 1966. 89 p.

Application of the theory of optimum control to heat conduction problems. T. T. Artykpaev, M. P. Leonchuk. *Zham. vych. mat. i mek.* 7 no 3 611-665 '67.

Approximate solutions to the heat conduction equation for a two-layer plate with substitution of the material on the outer surface. P. P. Shushchikov. *Inzh.-fiz. zhur.* 12 no 1 451-459 '67.

Boundary value problem for an ordinary differential equation with a parameter in the boundary condition. N. K. Ishakov. *Izv. AN Azerb. SSR, Ser. fiz.-mat. nauk* no 6 7-10 '66.

Boundary value problem in three-dimensional percolation theory. A. A. Glushchuk. *Dop. AN URSR, Ser. A* 29 no 3 399-403 '67.

Carleman's boundary value problem for a bounded domain in a class of generalized analytic functions. G. S. Iushchuk, N. I. Mishchenko. *Izv. AN Arm. SSR, Mat.* 2 no 1 52-56 '67.

DIFFERENTIAL DIAGNOSIS

Diagnosis, Differential

DIFFERENTIAL EQUATIONS

... the fundamental equations ...
... project space G. N. Pevadze ...
... integral equations ...
... system of equations in generalized ...
... boundary value problem ...
... differential equations ...
... numerical methods ...
... approximation ...
... stability ...
... convergence ...
... error ...
... accuracy ...
... precision ...
... reliability ...
... validity ...
... consistency ...
... robustness ...
... efficiency ...
... effectiveness ...
... productivity ...
... performance ...
... quality ...
... quantity ...
... frequency ...
... duration ...
... volume ...
... weight ...
... height ...
... width ...
... depth ...
... length ...
... area ...
... volume ...
... mass ...
... energy ...
... power ...
... force ...
... pressure ...
... temperature ...
... velocity ...
... acceleration ...
... displacement ...
... distance ...
... time ...
... angle ...
... frequency ...
... wavelength ...
... period ...
... amplitude ...
... phase ...
... frequency ...
... wavelength ...
... period ...
... amplitude ...
... phase ...

DIFFERENTIAL EQUATIONS, ELLIPTIC

Analysis of the straight line method for nonlinear elliptic equations. A. D. Lashin, M. I. Uchevskiy. *Zhur. vych. mat. i mat. fiz.* 7 no. 1:677-680. My-Je '67.

DIFFERENTIAL EQUATIONS, LINEAR

Calculation of surface around uneven surfaces of the earth. A three-dimensional problem. Kh. V. Zaitumov, Trudy Vych. mat. i mat. fiz. no. 1:42-52 '67.

Linear differential games. E. F. Mishchenko, L. S. Ruzhitskiy. *Dokl. AN SSSR* 174 no. 1:27-29. My '67.

Linear parabolic problems in a cylinder infinite with respect to time. Stabilization of solutions. S. Z. Brink, *Dif. urav.* 3 no. 4:647-666. Ap '67.

Problems involving the reducibility of systems of linear differential equations with quasi-periodic coefficients. I. N. Blinov, *Dokl. AN SSSR Ser. mat.* 31 no. 2:319-321. Apr '67.

Factorial of a theorem of A. V. Moiseyev. A. G. Ishmanov, V. I. Burenkov. *Dif. urav.* 3 no. 1:687-691. Ap '67.

Representations of the solution to a system of linear differential equations near an irregular singular point. I. N. Zil'ber, *Dif. urav.* 3 no. 1:601-618. Ap '67.

DIFFERENTIAL EQUATIONS, LINEAR—BOUNDARY VALUE PROBLEMS

First boundary value problem for quasi-linear parabolic systems with delayed argument. M. V. Kozlov, A. V. P. *Dokl. AN SSSR Ser. mat.* 3 no. 3:680-686. Ap '67.

DIFFERENTIAL EQUATIONS, NONLINEAR

Calculations of nonlinear systems with distributed parameters at random perturbations. A. V. Gushchin, V. G. Kabanov, *Dif. urav. i mat. fiz.* 19 no. 1:1-10. '67.

Problem of particlelike solutions to nonlinear equations of an electromagnetic field. G. N. Shikin. *Vest. Mosk. univ. Ser. fiz. i mat. nauki* 22 no. 2:3-4. My-Apr '67.

DIFFERENTIAL EQUATIONS, PARTIAL

Values of partial differential equations derived by the use of difference methods based on splitting the operator. E. G. D'yakov, *Shor. rab. VTS MGU* no. 6:111-152. '67.

Nyume, M. [Lectures on the modern theory of partial differential equations. Translated from the Japanese.] *Iekishi po sovremennoi teorii uravneniy v chastykh proizvodnykh*. Moskva, Mir, 1967. 120 p.

Stability in L_2 of the Cauchy problem for difference equations and partial equations. M. V. Fridlyuk. *Zhur. vych. mat. i mat. fiz.* 7 no. 3:510-510. My-Je '67.

Time-saving difference methods based on the splitting of difference operators for some systems of partial differential equations. E. G. D'yakov, *Shor. rab. VTS MGU* no. 6:76-120. '67.

DIFFRACTION

Use of tabulated functions in solving the nonsteady-state problem of diffraction on an impedance wedge. M. P. Sakharova, A. F. Filipov, *Zhur. vych. mat. i mat. fiz.* 7 no. 1:548-578. My-Je '67.

DIFFRACTION GRATINGS

Calculating the image illuminance. Part 2: Spectral instruments with concave diffraction gratings. G. G. Pavlinskaya, V. D. Medvedev, *Opt. i spekt.* 22 no. 6: 619-623. My '67.

Moiré interference fringes in a system of transparent and reflecting diffraction gratings. Part 3: G. N. Rassudova. *Opt. i spekt.* 22 no. 4:614-625. Ap '67.

DIFFUSERS

Resistance of turbomachine diffuser elements pipes during change in bushing relationship. M. P. Ushakov, V. N. Amelushkina. *Energomashinostroyeniye* 13 no. 1:11-13. Ja '67.

Some propositions on the modernization of the "Duncan Stuart" diffusion apparatus. N. A. Nasonov, V. D. Barinacov, V. I. Nosov, *Sakh. prom.* 41 no. 5:37-39. My '67.

DIFUSION

Correlation effects in hexagonal crystals during diffusion. O. M. Melvani. *Trudy Tbil. GU* no. 103:151-162. '65.

Diffusion of light particles through films of heavy elements. L. D. Tscandin. *Trudy LPI* no. 277:62-69. '67.

Diffusion phenomena in heterogeneous catalysis. T. K. Shervud. *Teor. osnovy khim. tekhn.* 1 no. 1:17-30. Ja-F '67.

Experimental study of role of molecular diffusion in stratified porous media. V. G. Ogandzhumants, P. B. Sadchikov, N. I. Suvorov. *Nauch.-tekhn. zhurn. po dokh. nefti* no. 29:33-36. '66.

Frank-Kamenetskii, D. A. [Diffusion and heat transfer in chemical kinetics.] *Difuziya i teploperedacha v khimicheskoi kinetike*. 2. dop. i pei. er. izd. Moskva, Nauka, 1967. 490 p.

Internal diffusion effects in pulse chromatographic regime of reactor operation. T. A. Denisova, A. L. Rozenfeld, *Khm. i tekhn.* 8 no. 2:441-446. My-Apr '67.

Mechanism of the diffusion conditions of current on semi-immersed electrodes taking into account the reagent transfer through the solid phase. I. U. A. Chizmadzhev, I. U. G. Chirkov, L. P. Klevisov. *Elektrokhimiya* 3 no. 5: 645-649. My '67.

Method of measuring diffusion coefficient using condensation on hot sample. S. N. Krut'ko, L. A. Soldatov, V. A. Gerasimov. *Vest. Mosk. univ. Ser. 2. Khim.* 22 no. 2:71-73. My-Apr '67.

Vertical distribution of electron-ion gas in the case of weak sources of the diffusion stream. V. M. Poliakov, *Geomagn. i aer.* 7 no. 1:183-186. '67.

DIFUSION COATINGS

Diffusion coating of titanium with platinum foil in a vacuum. N. F. Kazakov, V. V. Nishchikhin. *Izv. vys. ucheb. zav. mashinostroyeniya* no. 3:100-103. '67.

Regularity in complete diffusion saturation of alloys. G. V. Zelenkov and others. *Metallurg. i obrab. met.* no. 1:11-13. Ap '67.

DIGESTION

Character of contractions and the rate of the advancement of chyme in the small intestine following consumption of different types of food under normal conditions and in pathological states of the stomach and intestine. V. A. Babin. *Trudy zhur. [Ukr.]* 13 no. 2:338-341. My-Je '67.

Intermediate metabolism and processes of fermentation in the rumen of calves during intensive raising and fattening. G. A. Bondarenko and others. *Vest. sel'khoz. nauk* 12 no. 5:54-66. My '67.

Intestinal digestion in sheep. Y. I. Umanov, K. Rakhimov, Z. N. Akhshin, *Trudy zhur.* 33 no. 5:382-387. My '67.

DIGESTIVE ORGANS—FISHES

Use of Mett's tube from polyethylene. V. A. Andreeva, A. Polnanskaya. *Ryb. khoz.* 13 no. 1:17. '67.

DIGESTIVE ORGANS—INNERVATION

Changes in circulating blood and extracellular fluid following stimulation of digestive tract mechanoreceptors at high temperatures. B. V. Kadyrov. *Uzb. biol. zhur.* 11 no. 2:31-37. '67.

Changes in the peripheral nervous system of gastropod mollusks during operations with and without the use of rigid clamps. A. A. Ilyin, E. M. Kimbarov, S. A. Kina. *Trudy zhur.* no. 4:21-28. My '67.

Changes in the vessel course and nervous apparatus of the alimentary canal in chronic excitation of lateral organs. V. I. Burova, I. P. Zakharenko, F. I. Ilyin, *Trudy zhur.* 11 no. 3:102-105. My-Je '67.

Evoked potentials in the posterior contralateral thalamic nucleus following stimulation of nociceptive nerves and gastrointestinal receptors. S. S. Muskhelishvili, *Trudy zhur.* 51 no. 5:549-554. My '67.

Reflex effects from the upper digestive tract on blood circulation and respiration. T. M. Kozhenko, *Trudy zhur.* 53 no. 5:571-571. My '67.

DIGESTIVE ORGANS—INSECTS

Adaptive features of the structure of digestive tracts in larvae of some fly species (Diptera: Brachycera, Cyclorhapha). I. D. Shaphiro, N. A. Vilhova, A. P. Sazonov, *Zool. zhur.* 16 no. 4:540-550. Ap '67.

DIGITAL INFORMATION TRANSMISSION

Digitizer of time flow data. D. D. Andreev, G. A. Fedorenko. *Trudy Tbil. GU* no. 103:107-107. '66.

Increasing the reliability of digital data transmission through power transmission lines. I. N. Evlashenko, V. M. Vasil'ev, *Mekh. i avtom. upr.* no. 2:55-56. My-Apr '67.

Method for increasing interference rejection in transmission of digital information in channels with fluctuation noise. S. N. Tsvetkov, S. F. Fal'kovich, *Elektronika* 21 no. 5:37-41. My '67.

DIODES, ELECTRON-TUBE

Theory of superhigh-frequency electron tubes with cylindrical leak electrodes. M. Sh. Kobakhidze. *Trudy Tbil. GU* no. 103:203-208. '65.

DIODES, SEMICONDUCTOR

Diffusion p-n junctions with p-InAs base. N. P. Melina, N. V. Zolova, D. N. Naskedov, *Radiotekhn. i elektron.* 12 no. 6:1031-1035. Je '67.

Effect of microwave losses on the frequency characteristics of diodes with nonlinear capacitance. A. S. Berlin, V. M. Davydov, N. V. Filolov, *Radiotekhn. i elektron.* 12 no. 6:1110-1113. Je '67.

Study of conductance relaxation in Si-SiO₂-Au diode structures. I. S. Zhukova, S. P. Mininova, L. L. Ojynets, *Radiotekhn. i elektron.* 12 no. 6:1026-1030. Je '67.

DIODES, SEMICONDUCTOR—ELECTRIC PROPERTIES

Current distribution in silicon diodes with negative resistance. G. M. Avakants and others. *Dokl. AN Arm. SSR* 41 no. 3:104-106. '67.

DIOXANE

Catalytic amination of dioxane. V. N. Grudzi, V. G. Samsonova, V. V. Vampilova. *Trudy BKNII* no. 20:17-24. '66.

DIOXOLANE

Synthesis of polydioxolane. A. A. Brikenshtein and others. *Plast. massy* no. 5:7-8. '67.

DIPETIDES

Calculation of stability constants of copper complexes of dipeptides by means of the Monte-Carlo method. A. P. Boisova and others. *Vest. Mosk. univ. Ser. 2. Khim.* 22 no. 2:114-115. My-Apr '67.

DIPHENIC ACID

Methods of producing diphenic acid. A. A. Dolgalev, N. M. Kamakin, R. I. Polataiko. *Khim. prom.* 42 no. 9: 17-21. '66.

DIPHENYLAMINE

Problem of the mutual effect of atoms in molecules. Part 1. Using the method of linear combination of atomic orbitals in the distribution of electron density in the molecules of p-nitro- and pp'-disubstituted diphenylamines. I. I. Lashin, N. A. Pritcheva. *Izv. vuzov. Khim. i tekhn.* 12 no. 1:105-107. '67.

DIPHENYLAMINE—SPECTRA

Quasi-autonomous systems in the absorption spectra of their derivatives. Part 5. Comparison of the absorption spectra of derivatives of N-1,2,3,4-tetrahydro-1-N-2-phenylthienopyridine and 2,4-dinitrodiphenylamine. C. F. Mikhlin, V. A. Lashin, V. V. Ponomarev. *Zhur. obshch. khim.* 47 no. 5:1055-1061. My '67.

Ultraviolet spectra of diphenylamine adsorbed by Y and Y zeolites. A. V. Kiselev, L. A. Kuznetsov, V. I. Lygin, *Khim. i tekhn.* 8 no. 2:175-177. My-Apr '67.

DIPHOSPHINE

Preparation of tetracyclonevinylmethylenediphosphine choxide. M. I. Kabanov and others. *Izv. AN SSSR. Ser. Khim.* no. 1:919-950. Ap '67.

Reactions of tetraphenylmethylated diphosphine with aromatic azides. V. A. Giliyev, V. I. Kovtun, M. I. Kabanov. *Izv. AN SSSR Ser. Khim.* no. 5:1159-1161. My '67.

DIPHThERIA

(see also subdivision under Diphtheria)

Comparative study of polyvalent vaccines with the pertussis component. Report No. 1: Reactogenic properties and immunological effectiveness of diphtheria component 12. A. Baeve and others. *Zhur. mikrobiol., epid. i immun.* 41 no. 5:73-77. My '67.

Phage typing as a method of detecting epidemiological associations in diphtheria foci. N. A. Kravchenko and others. *Zhur. mikrobiol., epid. i immun.* 41 no. 6: 80-84. Je '67.

State of antitoxic immunity to diphtheria in children vaccinated against measles. M. F. Bondarenko. *Zhur. mikrobiol., epid. i immun.* 41 no. 4:26-30. Ap '67.

DIPHThERIA—MICROBIOLOGY

Study of the basic properties of diphtheria diagnostic depending on the duration of their storage. Report No. 1. No. 1. N. A. Kravchenko, V. B. Sadykova. *Trudy Mosk. nauch.-issl. inst. vsk. i yzv.* 17:151-162. '61.

DIPHThERIA—PREVENTION

Experience in the work on decrease and elimination of diphtheria in a rural district. A. L. Khomlakov. *Zhur. mikrobiol., epid. i immun.* 41 no. 1:121-127. Ap '67.

DIPHThERIA—PREVENTIVE INOCULATION

Avivability and therapeutic activity of native antidiphtheria and antitetanus sera. V. B. Treiman. *Trudy Mosk. nauch.-issl. inst. vsk. i yzv.* 17:201-206. '61.

Changes in the therapeutic activity and avidity of antidiphtheria sera resulting from the purification and concentration by means of the Diaform-3 method. V. B. Treiman. *Trudy Mosk. nauch.-issl. inst. vsk. i yzv.* 17:108-200. '61.

Level and duration of the preservation of immunity against diphtheria in school children. I. A. Pivinskaya, V. V. Balashov. *Zhur. mikrobiol., epid. i immun.* 41 no. 1:11-17. Ap '67.

Production of antitoxic pertussis and pertussis-diphtheria vaccines and the study of their basic properties in experiments on animals and in a limited epidemiological experience. Report No. 2. I. A. Pivinskaya and others. *Trudy Mosk. nauch.-issl. inst. vsk. i yzv.* 17:123-129. '61.

DIPHThERIA ANTITOXIN

Infectious allergy. Report No. 4. Role of antidiphtheric serum in infectious allergy to diphtheria toxin under experimental conditions. A. T. Kravchenko, L. L. Pivinskaya, *Zhur. mikrobiol., epid. i immun.* 44 no. 4:10-15. Ap '67.

Obtaining and study of active fractions of diphtheria antitoxin. A. K. Vargina. *Trudy Mosk. nauch.-issl. inst. vsk. i yzv.* 17:130-136. '61.

Results of single intranasal revaccination with diphtheria-tetanus antitoxin. I. B. Alatyrtseva, A. N. Meinskii. *Zhur. mikrobiol., epid. i immun.* 44 no. 5:81-84. My '67.

DIPHYLLOTHRIUM

Effect of some physicochemical factors on the survival of encapsulated pterococci (Diphyllotrichum species). N. M. Pronin. *Med. paraz. i paraz. bol.* 36 no. 2: 154-158. My-Apr '67.

Effectiveness of treating diphyllotrichosis with dichloral and phenasal. E. P. Razumova and others. *Med. paraz. i paraz. bol.* 36 no. 2:159-161. My-Apr '67.

Experience in organizing control of diphyllotrichosis among water transport workers. Sh. I. Tshpshin and others. *Med. paraz. i paraz. bol.* 36 no. 2:151-154. My-Apr '67.

2318

DYES AND DYEING (Continued)

Colorfastness of the synthetic dye industry of the U.S.S.R. *I. V. Gruzina*, *Vop. gos. no. 72* 95-101 '66
Methods for the preparation of disperse powders of organic dyes. *I. M. Golovinskiy, I. S. Mai, G. G. Goncharova*, *Khim. prom. (Msk.) no. 3* 21 May '67

DYES AND DYEING—BLENDED YARN

Effect of the distribution of dyes and indigosols in a blended cotton yarn. *M. V. Andreyev, P. V. Morozov*, *Khim. prom. (Msk.) tekhn. tekst. prom. no. 1* 90-95 '67

DYES AND DYEING—CELLULOSE

Study of the behavior of active dyes in binary mixtures during the dyeing of cellulose fibers. *I. A. Konikova, L. L. Rukhovich, L. V. Ushchikov, tekhn. tekst. prom. no. 1* 102-107 '67

DYES AND DYEING—COTTON

Effect of the parameters of the heat-transfer agent and of the type of the dyeing process of dyed cotton. *V. D. Vlasov, B. V. Shugartov, Izv. vuz. uchib. zav., tekhn. tekst. prom. no. 1* 119-125 '67

DYES AND DYEING—NYLON

Triangular oxidative destruction of dyed capron fibers. *I. N. Mikhaylovskiy, A. N. Bykov, Izv. vuz. uchib. zav., tekhn. tekst. prom. no. 1* 108-112 '67

DYES AND DYEING—TEXTILE FIBERS

Serchenko, B. H. [Dyeing of textile products] *Klasičeskoe učebno-metod. posobie*. Moskva, Legkaya Industriya, 1967. 147 p. (Uchebno-metod. posobie i rabochikh massovykh professii)
Study of the possible use of dyes containing quaternary ammonium groups for the formation of covalent fiber-dye bond. *Z. P. Avdumov, A. P. Lishov, A. A. Khurkhina, Izv. vuz. uchib. zav., tekhn. tekst. prom. no. 1* 96-105 '67.

DYNAMOMETER

Determining transmission ratio of beam systems by the method of differences in loading. *I. S. Gopichchenko, Soob. nauch. i inzh. pr. NIIORIL no. 2* 61-67 '62
Force standard for 10,000 kg/sec. *M. P. Bondarev, O. M. Pavlovskiy, V. I. Fel'ter, Soob. nauch. i inzh. pr. NIIORIL no. 2* 52-57 '62
Precision of standard stationary dynamometers of the second degree. *I. S. Gopichchenko, G. I. Tshin, Soob. nauch. i inzh. pr. NIIORIL no. 2* 68-71 '62
Small-size spot dynamometer. *V. A. Feshatov, G. I. Kurilov, Kuz.-shitn. priol. no. 9* no 5 17 May '67
Use of dynamometers for leveling traveling lines. *IU. V. Vokosyakov, Rukh. khoz. no. 1* 10-11 '67

DYNAMOS see Electric generators

DYSENTERY

Connection between the immunological reactivity of patients with acute dysentery and the method of tetracycline administration. *K. V. Klimov, Zhur. mikrobiol., epid. i immun. no. 6* 31-37 Ju '67.
Diagnostic value of culture media with nysteinin and bacitracin in bacteriological examination for dysentery. *M. S. Zharkova, Zhur. mikrobiol., epid. i immun. no. 6* 31-32 Ju '67.
Role of the nutrition factor in epidemiology of dysentery. *D. G. Antimov, Zhur. mikrobiol., epid. i immun. no. 6* 32-33 Ju '67.
Treatment of chronic dysentery with blood transfusions combined with mycelin and other antibiotics. *A. I. Tolichko, A. G. Nersisova, Zhur. eksp. i klin. med. no. 7* no 1 83-86 '67.

DYSENTERY—MICROBIOLOGY

Microbiological substantiation of the aqueous factor in the epidemiology of dysentery. *E. F. Vokholomov, I. A. Surok, Voen.-med. zhur. no. 5* 39-42 My '67.
Study of the cellular reactivity of the animal body in various ways of introduction of dysentery antigen. *S. I. Ginzburg-Kalinina, E. F. Vokholomov, Trudy Mosk. nauch.-issl. inst. vak. i svy. no. 17* 3-10 '61.
Study of the properties of complete antigens obtained by various methods to increase the quality of Flexner's dysentery component in polyvalent vaccine. *M. I. Ignatova, Trudy Mosk. nauch.-issl. inst. vak. i svy. no. 17* 146-153 '61.
Study of the properties of complete antigens obtained from type c and f Flexner's dysentery bacilli containing thermolabile antigen. Report No. 2. *M. I. Ignatova, I. K. Kas'lanova, Trudy Mosk. nauch.-issl. inst. vak. i svy. no. 17* 137-143 '61.
Survival of Boyd's dysentery bacilli in common and chlorinated river water. *A. D. Karisev, P. L. Kalachov, Zhur. mikrobiol., epid. i immun. no. 6* 130 Ju '67.

DYSENTERY—PREVENTION

Result of emergency streptomycin prevention of dysentery under conditions of a hospital for noninfectious disease. *IU. A. Krichenkov and others, Zhur. mikrobiol., epid. i immun. no. 6* 135 Ju '67.

DYSPEPSIA—BIBLIOGRAPHY see Bibliography—Dyspepsia

DYSPROSIUM ISOTOPES

Dy¹⁶⁵ levels excited during the radiative capture of neutrons. *V. A. Bondarenko, P. T. Popov, Izv. AN SSSR, Ser. fiz. no. 1* 596-603 Ap '67

[Study on the Dy¹⁶⁰ - Dy¹⁶⁰ decay] *Issledovanie raspada Dy¹⁶⁰ na Dy¹⁶⁰* [By] *I. A. Vrzalich, [Dubna, 1967]* 38 p.

DYSPROSIUM PERRHENATE

Perrhenium and dysprosium perrhenates. *M. B. Vafolomeev, V. I. Plushchik, Izv. vuz. uchib. zav., tekhn. tekst. prom. no. 1* 212-127 '67

DYSTONIA

Pathogenesis of neurocirculatory dystonia. *P. A. Kudachko, N. A. Goufrava, Voen.-med. zhur. no. 3* 17-18 My '67

DZERZHINSKI, FELIKS EDMUNDOVICH, 1877-1926

A knight of the revolution. *Russian German Sov. izdat. no. 16* no 1-4-9 Msk '67

DZHETY-SU see Semirech'ye

DZHETYGARA (KAZAKHISTAN)—BOILERS—DESIGN AND CONSTRUCTION

Industrial methods and economics. *V. I. Gourov, Nauch. khoz. Kuzn. no. 1* 29-31 Ap '67

DZHEYRAN-BATAN LAKE REGION—WATER—PURIFICATION

Economizing coagulants through the utilization of sludge from clarifiers at the Northern Dzheyan-Batan Purifying Station. *V. I. Tschukov, A. D. Kengerli, Za. tekhn. prog. no. 2* 40-43 I '67

DZHEYZKAZGAN REGION (KAZAKHISTAN)—MANGANESE ORES

Geological position of manganese mineralization in Devonian beds of the Dzheyzkazgan region (central Kazakhstan). *IU. A. Zaitsev and others, Vest. Mosk. un. Ser. I, geol. no. 2* 68-84 Msk-Apr '67

DZHEYZKAZGAN REGION (KAZAKHISTAN)—MINING MACHINERY

What hinders the use of self-propelled machinery. *V. Gusha, K. Saiykov, Nauch. khoz. Kazakh. no. 1* 18-24 Ap '67.

DZHEYZKAZGAN REGION (KAZAKHISTAN)—ORE DEPOSITS

Some problems in the geochemistry of rhenium and the genesis of ores of the Dzheyzkazgan deposit. *P. P. Fain, Vest. AN Kazakh SSR no. 4* 15-53 Ap '67

DZHEYZKAZGAN REGION (KAZAKHISTAN)—RHENIUM

Some problems in the geochemistry of rhenium and the genesis of ores of the Dzheyzkazgan deposit. *P. P. Fain, Vest. AN Kazakh SSR no. 4* 15-53 Ap '67

DZHUGDZHUR RANGE—MINERALOGY

Separation of talc from olivines and pyroxenes in amphiboles and gabbro of the Dzhugdzhur Range. *S. A. Kosenbaum, A. M. Lermikov, Soob. DVAN SSSR no. 24* 27-34 '65.

EARTH—CRUST

Nature of the stratification of the earth's crust at the northeastern part of the Crystalline Shield. *V. I. Bogdanov, Dokl. AN SSSR no. 1* 88-91 My '67.
Sublatitudinal fault in the earth's crust in the boundary region of eastern Antarctica (10° W.L. - 130° E.L.). *P. A. Stokov, A. I. Frolov, Izv. AN SSSR, Fiz. zem. no. 5* 16-31 My '67.

EARTH—FIGURE

Gan'shin, V. N. [Geometry of the earth ellipsoid] *Geometriya zemnogo ellipsoida*. Moskva, Nedra, 1967. 114 p.

EARTH—INTERNAL STRUCTURE

Scientists attack the upper mantle of the earth. *A. K. Agoshkov, A. I. A. Saltikovskiy, Pribl. no. 4* 110-111 Ap '67

EARTH—MANTLE

Energetics of a sloping fault in the upper mantle. *E. N. Lushchik, Izv. AN SSSR, Fiz. zem. no. 5* 3-13 My '67.

EARTH—RADIATION

Kondrat'ev, K. A., and others. [Radiation field of the earth as a planet] *Pole izlucheniya Zemli kak planety*. Leningrad, Gidrometeoizdat, 1967. 313 p.

EARTH—ROTATION

Secular variations of the amplitudes of free and forced motions of earth's pole. *V. P. Laiklin, Gromag. i aer. no. 1* 160-161 '67.

EARTH—SURFACE

(see also subdivision under Kuban-Azov Lowland, Ural Mountains)
Some geological and geophysical facts and their interpretation in relation to crustal composition and structure. *G. D. Afanas'ev, Izv. AN SSSR, Ser. geol. no. 5* 3-18 My '67

EARTH DAMS—DESIGN AND CONSTRUCTION

Russia (R.S.F.S.R.) *Ministerstvo stroitel'stva, Tekhnicheskoe upravlenie* [Technical specifications for design and constructing fill dams from compact clay] *Tekhnicheskie uslovia na projektirovanie i vozvedenie nasypanykh plotin iz plotnykh glin*. Leningrad, 1959. 41 p.

EARTH MOVEMENTS

Considering disturbing vibrations when observing crustal microshifts. *A. G. Gougorenko, Inzh. geol. no. 1* 58-62 '65

Possibility of using Reben-Paschevitz micrometer for investigating crustal microshifts. *A. G. Gougorenko, Inzh. geol. no. 1* 53-58 '65

EARTH RESISTANCE

Determination of the unit resistance of soils in mountainous areas. *V. G. Volynin, V. S. Lugovoi, Flek. st. no. 5* 86-89 My '67

EARTH SATELLITES see Artificial satellites

EARTH SCIENCES—CONGRESSES

Out-of-town session of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R. in Caucasus. *A. A. Godekian, I. G. Zolotarev, Oganeyev, Izv. AN SSSR, Fiz. zem. no. 5* 96-98 My '67

EARTH TEMPERATURE see subdivision under Apsheron Archipelago, Transbaikalia, White Russia

EARTH TIDES

Calculation of the tides of the third order by means of gravimetric observations. *S. N. Barsenkov, Izv. AN SSSR, Fiz. zem. no. 5* 28-32 My '67.

Overtones of the torsional vibrations of the earth. *V. N. Zharkov and others, Izv. AN SSSR, Fiz. zem. no. 5* 15-25 My '67

EARTHQUAKES

(see also subdivision under Turkey)
New method for estimating the force of earthquakes. *A. S. Malamud, Dokl. AN Tadzh SSR no. 1* 25-28 '67

EARTHQUAKES AND BUILDING

(see also subdivision under Armenia; Tashkent)
Determination of seismic forces for four-story frames based on seismic accelerographs. *P. F. Klimchik, Nauch. soob. AISM no. 7* 75-83 '66
Experience of using modeling in studying the seismic stability of large-panel buildings. *L. V. Shukhsvarian, Zh. V. Zakharov, Nauch. soob. AISM no. 7* 37-60 '66.
Possibilities of using elastic cushions for increasing the seismic stability of buildings. *L. V. Shukhsvarian, N. L. Oganeyev, Nauch. soob. AISM no. 7* 113-118 '66

EARTHWORK

Determination of the volume of operations in planning waste rock disposal, depending on type of biological reclamation. *A. R. Gannatunov, Met. i geol. nauch. pr. no. 2* 71-74 Msk-Apr '67.
Determining the stresses of cutting soil with wedge-shaped blades taking into consideration two cutting phases. *V. I. Uralov, Pudy. ISNIMI SSSR no. 3* 372-377 '61

Gribnat, I. A. [Handbook for calculating time and cost norms for working and moving ground to various distances using bulldozers, scrapers, and graders] *Posobie dlia rascheta norm vremeni i rastenok na razrabotku i peremeschenie grunta buldozherami, ekreperami i gradel'nymi na raznye rassloaniia*. Kishinev, Kartia Moldovenaske, 1967. 48 p.

EARTHWORK—COSTS

Preliminary evaluation of the suitability of using open-pit mining. *M. B. Red'kin, Zap. I. GI no. 1* 7-21 '66.
Principles of the economic justification of graphs for waste removal. *A. F. Bogachev, Zap. I. GI no. 1* 45-46 '66

EDUCATIONAL RESEARCH

Investigation of individual differences in the correlation of levels of memorization in preschool age children during the performance of various types of tasks. Report 5. Quantitative analysis of the productivity indices of memorization under the conditions of various types of activities. Z. M. Istomin. Nov. 1951 v ped. nauk. no. 1 1-100 '65.

Correlation between the speed and retention of memorization. Report 5. Age conditions of differences in the correlation of quantitative indices of the speed of the memorization of various types of material by school children. V. I. Samoilova. Nov. 1951 v ped. nauk. no. 1 1-130-193 '65.

Experimental study of the cognitive interests of youth. G. I. Shchukina. Uch. zap. Ped. inst. Gork. no. 297 113-119 '66.

Fifty years of educational research in the field of Soviet preschool education. V. V. Zaporozhina, I. A. Maslova. F. I. Rudnik. Sov. pedagog. 91 no. 5 11-24 My '67.

Mathematical and cybernetic methods of research in education. I. B. Ioffe. Nov. 1951 v ped. nauk. no. 1 104-111 '65.

Defining the directions of research. L. N. Tolov, K. I. Vasiliev. Vest. vyzshshkoly 25 no. 1 72-77 Ap '67.

EDUCATIONAL SOCIOLOGY

Sociologists discuss the problems of education. T. V. Malharovskaya, B. V. Fedotov. Vest. vyzshshkoly 25 no. 5 53-64 My '67.

EELS—PHYSIOLOGY

Amount of blood and hemoglobins in young eel. N. D. Zaitsev. Ryb. khoz. 13 no. 1 18-19 '67.

EELWORMS see Nematoda

EFFICIENCY (TECHNOLOGY)

Efficiency of a rigid reversible drive on a vertical spindle cotton-picking machine, in transition areas. Izv. AN Uz SSR, Ser. tekhn. 10 no. 3 68-70 '67.

EFFICIENCY, INDUSTRIAL

(see also subdivision under Kazakhstan, Kostroma, Ukraine)

Upgrade of communist labor. G. S. Polosh. Razved. i kkh. ned. 33 no. 5 57-58 My '67.

Constitution on the problems of the use of hours of work. Razved. i kkh. ned. 33 no. 5 59-61 My '67.

On the problem of increasing the efficiency of social production. T. V. Checheleva. Probl. sov. ekon. Kazakh. no. 2 36-67 '66.

EGG HANDLING

Automatic machine for packing eggs in boxes. A. L. Vinogradov. Izv. TSNIIMASHKH 3 292-301 '64.

EGG HANDLING MACHINERY

Mechanization of egg processing. V. Klimanov. Zakup sel'khoz. prod. no. 3 57-59 My '67.

EGG PRODUCTS INDUSTRY

Podlegayev, M. A. [Increasing the keeping quality of eggs in storage and the intensification of the production of egg products] Povyshenie stokosti i int. pri khraneni i intensifikatsii proizvodstva i int. seproduktov. Moskva, 1966. 53 p.

EGG TRADE see subdivision under Sverdlovsk Province; Ukraine

EGGPLANT—ANALYSIS

Use chemistry of eggplants. K. I. Filippova, Z. P. Belova. Biokhim. knizh. no. 3 101-125 '63.

EGGS—STORAGE

Podlegayev, M. A. [Increasing the keeping quality of eggs in storage and the intensification of the production of egg products] Povyshenie stokosti i int. pri khraneni i intensifikatsii proizvodstva i int. seproduktov. Moskva, 1966. 53 p.

EGOLIN, ALEKSANDR MIKHAILOVICH, 1896-

In memory of Aleksandr Mikhailovich Egolin. Izv. AN SSSR, Ser. fiz.-mat. 26 no. 1 90 Ja-F '67.

EGYPT—FOREIGN ECONOMIC RELATIONS—ARAB COUNTRIES

Arasly, E. G. [Economic ties of the United Arab Republic with Arab countries] Ekonomicheskie svyazi OAR s arabskimi stranami. Moskva, Nauka, 1967. 62 p.

EIGENFUNCTIONS

Some estimates at infinity of the eigenfunctions of Schrödinger's operator. I. U. B. Oronchko. Ukr. mat. zhur. 19 no. 3 39-52 '67.

EIGENVALUES

Asymptotic behavior of eigenvalues in the case when the potential depends on the parameter. B. M. Levitan, A. G. Ramm. Mat. zam. 1 no. 5 593-604 '67.

Asymptotic distribution of the number of eigenvalues of equations of the type $Ay = \lambda By$. B. I. A. Skachek. Dop. AN URSSR, Ser. A 29 no. 5 426-429 My '67.

Distribution of eigenvalues in some ensembles of random matrices. V. A. Marchenko, L. A. Pastur. Mat. sbor. 72 no. 1 507-536 Ap '67.

Representation of the eigenvalues of the first boundary value problem in the theory of elasticity by an integral over the contour. T. Arhymudinov, G. Mamuturidze. Izv. AN Uz SSR, Ser. fiz.-mat. nauk. 11 no. 3 3-9 '67.

EIGENVECTORS

Stability of the root number of an analytic operator function and the perturbations of its characteristic numbers and eigenvectors. V. M. Fnt. Dokl. AN SSSR 173 no. 9, 1251-1254 Ap '67.

EIKHENBAUM, BORIS MIKHAILOVICH, 1886-1959

B. M. Eikhenbaum, 1886-1959: for the 80th anniversary of his birth. Izv. AN SSSR, Ser. fiz.-mat. 26 no. 1 99-100 Ja-F '67.

EKIBASTUZ BASIN—COAL MINES AND MINING

Selecting efficient method of mining Ekibastuz coal deposits. V. V. Ryhevskii, G. K. Kuschchenov, A. N. Alad'ev. Nauch. trudy Moskv. inst. radioelektr. i geol. elektromekh. no. 51 60-67 '65.

ELASTIC PLATES AND SHELLS

Basics of the calculation of cylindrical shells and pipes from glass reinforced plastics under interior hydrostatic pressure. A. P. Mishchenko. Sb. tr. t. 1, LMI no. 55 77-86 '66.

Bending of beams and circular plates prestressed beyond the elasticity of material. R. M. Kurakova. Izv. AN Arm. SSR, Mekh. 20 no. 2 56-66 '67.

Calculating a foundation plate rigidly clamped at its ends to foundation walls. K. Gafarov, K. K. Kazakbaev. Izv. AN Uz SSR, Ser. tekhn. 10 no. 5 40-55 '66.

Calculation of a toroidal shell of glass reinforced plastics under interior hydrostatic pressure. M. N. Bokin, N. I. Kalinin. Sb. tr. t. 1, LMI no. 55 86-90 '66.

Calculation of rigid rectangular plates lying on a discontinuous elastic foundation. V. N. Spikharenko. Sudost. imot. 3001 no. 2 107-112 '66.

Concentration of thermal stresses in a physically non-linear elastic plate with a hole in a uniform heat flow. A. K. Molaleenko, I. A. Tsypal. Dop. AN URSSR, Ser. A 29 no. 5 453-457 My '67.

Developing specified applied theories for a circular cylindrical shell. N. A. Bazhenko. Mekh. tver. tela no. 2 99-105 My '67.

Numerical realization of the method of differentiation on the example of plate bending. V. G. Korneev, L. A. Rozin. Mekh. tver. tela no. 2 106-111 My '67.

Physically nonlinear problems for a plate weakened by two circular holes. O. S. Kosmodamiansky, I. A. Tsypal. Dop. AN URSSR, Ser. A 29 no. 5 449-453 My '67.

Plate reinforced with thin sectional ring. V. I. Tul'chik, V. P. Frolov, G. I. Iakimovich. Prikl. mekh. 3 no. 5 76-80 My '67.

Some problems in the specified theory of plate bending. A. I. Medvedev. Prikl. mekh. 3 no. 5 81-86 My '67.

Stability of a compressed cylindrical shell with an elliptic cross section. I. N. Ginzburg. Prikl. mekh. 3 no. 5 126-130 My '67.

Stability of a cylindrical shell under tensile stress. G. G. Aftab. Izv. AN Azerb. SSR, Ser. fiz. i tekhn. mat. nauk. no. 6 51-55 '66.

Strength calculation of multilayer and monolithic vessels from glass reinforced plastics. S. A. Engalychev. Sb. tr. t. 1, LMI no. 55 91-101 '66.

Strength of a glass reinforced plastic thin-walled shell under interior pressure. M. N. Bokin, E. V. Moshkova, N. I. Kalinin. Sb. tr. t. 1, LMI no. 55 102-111 '66.

Stressed state of a plate weakened by a hole having a N. E. Zhukovskii-type profile. S. F. Shishikova. Prikl. mekh. 3 no. 5 130-133 My '67.

Stresses in a sectional disk under the action of concentrated loads. A. V. Belokon', I. U. V. Satonov, I. U. A. Ustinov. Mekh. tver. tela no. 2 181-188 My '67.

Torsion of a hollow hemisphere by a die. A. A. Baholov, N. O. Gukhanian. Izv. AN Arm. SSR, Mekh. 20 no. 2 3-18 '67.

ELASTIC PLATES AND SHELLS—BOUNDARY VALUE PROBLEMS

Solution of boundary value problems in the theory of arbitrary shallow cylindrical shells using the small parameter method. I. G. Tagiev. Izv. AN Azerb. SSR, Ser. fiz. i tekhn. mat. nauk. no. 6 60-65 '66.

ELASTIC PLATES AND SHELLS—VIBRATION

Rapport, I. M. [Vibrations of an elastic shell partially filled with fluid] Kolebania uprugoi obolochki, chastichno zapolnennoi zhidkost'iu. Moskva, Mashinostroenie, 1967. 357 p.

ELASTIC RODS AND WIRES

Elastic stability of a compressed rod. V. I. Tsatsis. Sb. tr. t. 1, LMI no. 55 102-111 '66.

Experimental study of the stability of rod subjected to compression by a follow-up force. I. U. A. Agan, L. K. Parshin. Trudy LPI no. 278 52-61 '67.

Investigating deformation of rods made of viscoelastic material and subjected to a longitudinal impact. V. A. Ivanov. Trudy LPI no. 278 20-21 '67.

Problem of the stability of an elastoplastic rod. V. D. Khushinov. Mekh. tver. tela no. 2 132-138 My '67.

Solving by electronic computer the problem of torsion of thin elastic rods in conditions of unbalanced creep. M. Kh. Mukhidinov. Izv. AN Uz SSR, Ser. tekhn. nauk. 11 no. 3 14-21 '67.

Stability of a rod fixed on one end and elastically clamped on the other under the action of a follow-up force. L. K. Parshin. Trudy LPI no. 278 61-65 '67.

Theory of the propagation of stress waves in a semi-infinite viscoelastic rod. V. A. Ivanov. Trudy LPI no. 278 21-28 '67.

ELASTIC SOLIDS

Stability of orthotropic bodies. A. N. Guz'. Prikl. mekh. 3 no. 5 29-38 My '67.

ELASTIC SOLIDS—VIBRATION

Calculating vibrations of composite elastic systems by the method of dynamic rigidities. I. N. Andreev, V. A. Troitskii. Trudy LPI no. 266 7-16 '66.

Radial vibrations of an elastic ball in a compressed fluid. D. E. Khelsin. Izv. AN SSSR, Mekh. tver. tela no. 2 70-82 My '67.

ELASTIC WAVES

Electromagnetic wave and sound wave emission from dislocations uniformly moving in ionic crystals. A. M. Kosevich, I. G. Margvelashvili. Izv. AN SSSR, Ser. fiz. 31 no. 5 848-860 My '67.

Loading wave in a viscoplastic medium. A. M. Skobelev. Mekh. tver. tela no. 2 139-142 My '67.

Rate of elastic wave propagation in fractured media. N. U. Furuta and others. Fiz.-tekhn. probl. razrab. pol. iskop. no. 1 37-42 Ja-F '67.

ELASTICITY

Determination of volume relaxation by the method of internal friction. S. I. Meshkov, G. N. Pachevskaya. PMIT no. 2 80-82 My '67.

The ΔE-effect and antiferromagnetism in iron-manganese alloys. I. N. Bogachev, V. F. Golov, B. A. Potekhin. Dokl. AN SSSR 173 no. 6 1293-1297 Ap '67.

Method of straight lines in the two-dimensional problem in the theory of elasticity. I. A. G. Zhilakov. Prikl. mekh. 3 no. 5 39-41 My '67.

On the stressed state of a diatomic medium. V. O. Kuz'menkov. Dop. AN URSSR, Ser. A 29 no. 5 439-442 My '67.

Periodic contact problem for an infinite elastic cylinder. I. U. A. Travin. Dop. AN URSSR, Ser. A 29 no. 5 457-458 My '67.

Some problems of the dynamics of a transversely isotropic heterogeneous elastic medium. R. I. Smirnov. Dokl. AN Uz SSR 21 no. 7 11-14 '66.

Studying certain physical properties of Ni₂Al₃ alloys. M. P. Arbutov, V. G. Chuprina. Izv. AN SSSR, Met. no. 2 174-178 My-Je '67.

Studying the performance of a pulse valve. G. I. A. Umitov, A. K. Alimov, N. Kh. Salimskiy. Izv. AN Uz SSR, Ser. tekhn. 10 no. 3 33-37 '67.

A variant of the nonlinear theory of elasticity. K. Iukha-chik. Mekh. tver. tela no. 2 115-119 My '67.

ELASTICITY—BOUNDARY VALUE PROBLEMS

Further study of Cosserat's functions. S. G. Mikhailin. Vest. LGU 22 no. 7 96-102 Ap '67.

Representation of the eigenvalues of the first boundary value problem in the theory of elasticity by an integral over the contour. T. Arhymudinov, G. Mamuturidze. Izv. AN Uz SSR, Ser. fiz.-mat. nauk. 11 no. 3 3-9 '67.

ELATINE

Quantitative determination of elatine. V. L. Bazar'nyi. Farmateev. zhur. 22 no. 2 31-34 '67.

ELECTION LAW see subdivision under Moldova; Ukraine

ELECTRIC APPARATUS AND APPLIANCES

Analog-digital converter of low-level voltages. S. M. Pershin. Gofiz. app. no. 29 111-118 '66.

Device for potentiostatic studies. V. A. Rachkov, L. A. Parfenov, I. U. N. Chernykh. Zav. lab. 33 no. 3 385-386 '67.

Filippov, A. F., and I. A. Kozogladov. [Study of electrical goods and household machines] Tovarovedenie elektricheskikh mashin i bytovykh mashin. Moskva, Ekonomika, 1967. 156 p.

Galvanometric compensator with capacitive transformer. K. L. Fulkovskii, O. P. Rustam-Zade. Izv. AN Azerb. SSR, Ser. fiz. i tekhn. mat. nauk. no. 6 97-99 '66.

Zaleskii, A. M., and G. A. Kukukov. [Thermal calculations of electrical apparatus] Teplovye raschety elektricheskikh apparatov. [Leningrad] Energiya, 1967. 378 p. (Seria monografiy po elektricheskim apparatam vysokogo napriazheniya)

ELECTRIC DISCHARGES THROUGH GASES (Continued)

- Determining the parameters of quenching processes and cross sections of step-by-step excitation for neon atoms Part 2: Configuration 2p⁴ns. R. G. Gnevysheva and others. Opt. i spektr. 22 no. 1539-542 Ap '67.
- Excitation of a superhigh-frequency pulse discharge in a long tube. P. S. Bulkin, V. N. Ponomarev, G. S. Intez, Vest. Mosk. un. Ser. fiz. i astron. 22 no. 1-15, 14-16 '67.
- Gas discharge in a cavity bounded by a dielectric. Ch. M. Druzhinnyy and others. Izv. AN Azerb. SSR, fiz. i mat. nauk. no. 6 87-92 '66.
- Light emission of a gaseous mixture in a glow discharge. M. A. Polina, Zhur. tekhn. 37 no. 6 101-107 Je '67.
- Mass composition of high energy ions bombarding a cathode in an anomalous glow discharge. A. V. Bondarenko, M. A. Icheda, Zhur. tekhn. 37 no. 6 1071-1078 Je '67.
- Measuring the probabilities of spontaneous 3s₂ - 2p transitions in neon. T. V. Bichkova and others. Opt. i spektr. 22 no. 1573-580 Ap '67.
- Mechanism of "kicking" the ignition of high-voltage inductive discharge at low pressure. A. B. Bolin, V. B. Glastov, I. M. Reikhsudelskiy, Vest. Mosk. un. Ser. fiz. i astron. 22 no. 2 103-107 '67.
- Negative absorption on nitrogen molecular ion bands in a glow discharge. V. N. Elizavitsa and others. Izv. vuzov, fiz. 11 no. 1159-160 '67.
- Physics of surface in situ oxide synthesis in glow discharge. A. N. Maltsev, L. N. Frenkel, S. I. Borisova, Vest. Mosk. un. Ser. fiz. i astron. 22 no. 2 11-18 '67.
- Shape of the discharge in a gas cavity limited by dielectrics. B. D. Vaks, K. N. Chubrikova, Zhur. tekhn. 37 no. 6 1018-1020 Je '67.
- Studying the absorption in the channel of high pressure gas discharge Part 2. I. A. Chumachenko. Opt. i spektr. 22 no. 1519-547 Ap '67.
- Use of the microwave method in studying moving anions. A. A. Zaitsev, G. S. Leonov. PFTF no. 2 129-131 '67.

ELECTRIC DOUBLE LAYER

- Modeling of the electric double layer structure on galena and some adsorptive properties of mercury in the presence of thionin. A. M. Morozov, N. B. Galkov, I. A. Bogdanova. Elektrokhimiya 3 no. 5 585-590 My '67.

ELECTRIC DRIVING

- Contactless asynchronous electric drive. V. S. Lerner, M. V. Piletskiy. Elektrotehnika 38 no. 5 35-49 My '67.
- Detraction of dynamic speed drop of an electric motor with impact load. M. I. Fambur. Izv. vuzov, fiz. i astron. 22 no. 5 605-607 My '67.
- Electric drive system with high precision. V. V. Andrushchuk and others. Izv. vuzov, fiz. i astron. 22 no. 5 533-535 My '67.
- Esskov, V. P. [Contactless control of electrical drives; a textbook] Beskontaktnoe upravlenie elektropivodami; uchebnoe posobie. Leningrad, 1966. 66 p.
- Modeling of generator-motor systems with reversible thyatron exciter. I. D. Kolodnyy, V. D. Titov, M. S. Ter-Mkhitarov. Izv. vuzov, fiz. i astron. 22 no. 5 600-602 My '67.
- Stabilized electric drive for models of screw propellers. V. A. Konevskiy. Sudostroenie 57 no. 2 155-59 F '67.

ELECTRIC ENGINEERING—ABSTRACTS

- [Electrical engineering and electric power] Ref. zhuk. : Elektrotekh. i energ. no. 6 Je '67.

ELECTRIC ENGINEERING—PERIODICALS

- Results and feature outlook. Izv. vuzov, fiz. i astron. 22 no. 1 3-4 Ja '67.

ELECTRIC ENGINEERING—PROBLEMS, EXERCISES, ETC.

- [Collection of problems in theoretical electrical engineering] Sbornik zadach po teoreticheskoj elektrotehnike. Izd. 4., perer. i dop. [By] V. I. Konstantinov i dr. Moskva, Energiya, 1967. 238 p.

ELECTRIC ENGINEERING—STUDY AND TEACHING

- Practical training in electrical engineering. V. A. Pofakov. Shkola i proizv. 31 no. 5, 24-28 My '67.
- Practical training program in electrical engineering; 8th-10th grades. Shkola i proizv. 31 no. 4 13-14 Ap '67.

ELECTRIC ENGINEERS—EDUCATION AND TRAINING

- Don't forget about the training of electrical engineers. V. I. Kondrat'ev. Vest. profsovozd. obor. no. 12 36-38 D '65.

ELECTRIC EQUIPMENT INDUSTRY

- Vortex spraying of powdered plastic dielectrics on metal components. L. N. Egorova, V. A. Koniskin. Trudy LPI no. 276 51-56 '67.

ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT

- see subdivision under Kharkov

ELECTRIC EQUIPMENT INDUSTRY—QUALITY CONTROL

- Shop delivers the production at the first presentation. P. A. Lomonosov. Stand. i kach. 31 no. 4 22 Ap '67.

ELECTRIC EQUIPMENT INDUSTRY—STANDARDS

- Over all standardization of the production of the electric equipment industry. U.S. PRS. Stand. i kach. 31 no. 3 6-8 My '67.

ELECTRIC FIELDS

- Electric magnetic field of a vertical dipole over a spherical interface of two conductive media. V. T. Kul'ko, V. N. Mikhailovskii, Teor. elektrotokh. no. 2 170-176 '66.
- Force action of a homogeneous electrical field on a single fiber strand. A. T. Nogi-Zade. Izv. vuzov, fiz. i astron. 22 no. 1 21-28 Ja '67.
- Method for calculating electrostatic fields for a thick layer. E. N. Buzdarchuk, V. V. Rublik, I. B. Simonenko. Izv. vuzov, fiz. i astron. 22 no. 5 503-512 My '67.
- Ponderomotive forces of a radio field and the motion of solid particles in it. I. S. Raikhtsberg. Izv. vuzov, fiz. i astron. 22 no. 4 130-131 '67.

ELECTRIC FILTERS

- Magnetostrictive low-pass filter. I. V. Velikan, E. V. Zolotarev, I. I. Ivanova. Elektrosvyaz' 21 no. 1 1-7 Ap '67.
- Optimal filter. I. U. P. Volkov. Vest. profsovozd. obor. no. 12 49-51 D '66.
- Parameters of a filter of a 6 kv traction substation. B. S. Dolgopolskiy. Izv. vuzov, fiz. i astron. 22 no. 1 12-11 Ja '67.
- RC filters with a high drop curvature. N. S. Krengel'. Elektrosvyaz' 21 no. 1 69-71 Ap '67.
- Synthesis of piezoelectric low-pass and high-pass filters by their operating parameters. V. M. Kantor, A. A. Lame. Elektrosvyaz' 21 no. 1 2-17 Ap '67.

ELECTRIC FISHING

- (see also subdivision under Volga Delta)
- Biological principles of spectral characteristics of light sources used in fishing. I. P. Blitnikov. Ryb. khoz. 43 no. 1 13-15 '67.
- ELU-1 unit for electric fishing. Ryb. khoz. 43 no. 5 46-46 '67.
- Efficient management of lighting equipment on ships used in saury fishing. I. S. Sidelnikov. Trudy VNIRO 61 191-196 '66.
- Electric fishing of water fleas. V. P. Bushuev. Ryb. khoz. 43 no. 5 10 '67.
- Inductive load of pulse generator used in electric fishing. S. M. Melnikov, I. B. Gerasimov. Trudy VNIRO 61 115-131 '66.
- Reaction of some fishes to modulated pulsating electric current. G. Danilyte, D. Zabelute. Trudy VNIRO 61 151-157 '66.
- Results of the study of continuous fishing methods. I. V. Nikonorov. Trudy VNIRO 61 95-103 '66.
- Role of various nervous system sections in stimulating antidiuretic reaction in fish. G. Danilyte. Trudy VNIRO 61 141-150 '66.
- Study of the reaction of some typical commercial fishes to pulsating unipolar current in the uniform electric field of an aquarium. V. A. Paryshev. Trudy VNIRO 61 133-139 '66.

ELECTRIC FURNACES

- Calculation of the circuits of electric arc furnaces using flux linkage curves. O. V. Bannik. Izv. vuzov, fiz. i astron. 22 no. 1 15-20 Ja '67.
- Using induction furnaces in iron foundries. I. Z. Mal'kov, I. B. Kagan, M. V. Zhel'mis. Lit. proizv. no. 5 1-4 My '67.

ELECTRIC FURNACES—TECHNOLOGICAL INNOVATIONS

- Reconstruction of furnaces. L. A. Kazanskaya. Prom. Bel. 10 no. 6 56 Je '67.

ELECTRIC GENERATORS

- Checking the armature of a generator. G. Lekhan. Tekhn. i sel'khoz. no. 4 38 '67.
- Improving the performance of synchronous generators. I. A. Lukhanchenko, D. A. Saplin. Tekhn. i sel'khoz. 31 no. 5 51-56 My '67.
- Modeling of generator-motor systems with reversible thyatron exciter. I. D. Kolodnyy, V. D. Titov, M. S. Ter-Mkhitarov. Izv. vuzov, fiz. i astron. 22 no. 5 600-602 My '67.

ELECTRIC GENERATORS—SAFETY MEASURES

- Shabod, M. A. [Protection of low-power electrical generators] Zashchita generatorov maloi moshchnosti. Moskva, Energiya, 1967. 80 p. (Biblioteka elektromontera, no. 223)

ELECTRIC GENERATORS—WINDINGS

- Design of two-way symmetrical loop windings for armatures of traction generators. A. I. A. Lemberg, V. P. Osichev. Elektrotehnika 38 no. 5 55-57 My '67.

ELECTRIC HOUSEHOLD APPLIANCES see Household appliances, Electric

ELECTRIC INDUSTRY WORKERS

- What do power engineers need? A. N. Mantulin. Vest. profsovozd. obor. no. 10 58-59 O '66.

ELECTRIC INSTRUMENTS—PRICES

- Problems of price formation for electric measuring instruments considering technical and economic indices of the increase of reliability. P. M. Taskunov. Stand. i kach. 31 no. 5 53-54 My '67.

ELECTRIC INSULATORS AND INSULATION

- Effect of aging products of oils on the state of hard insulation. R. A. Lyshtin and others. Flek. svy. 36 no. 5 43-47 My '67.
- Electric aging of a polycrystalline barium titanate in a constant electrical field. V. I. Kunin, A. N. Tikhonov, A. Shukov. Trudy LPI no. 276 66-69 '67.
- Electrical and moisture characteristics of epoxy compounds with fillers. E. D. Ponomarenko. Trudy LPI no. 276 39-44 '67.
- Electrical strength of the main insulation of the transformer windings of traction motors in different stage manufacturing. M. Z. Vainshteyn, N. A. Kozlov, E. I. Fedotkin. Trudy LPI no. 276 135-140 '67.
- Sorption of moisture by organic insulating materials. L. I. Aleksandrov, V. V. Scholov. Trudy LPI no. 276 57-65 '67.
- Study of piezoelectric processes in polyethylene high-voltage cable insulation. G. M. Gordeev, A. N. Perfilov. Trudy LPI no. 276 116-152 '67.
- Terminal connecting sleeves of high-voltage cables. Kh. R. Malkin. Trudy LPI no. 276 153-161 '67.

ELECTRIC INTERFERENCE

- Triple-beam electric interference with the aid of an electrostatic field. I. P. Anashkin, I. G. Stolanova. Dokl. AN SSSR 174 no. 1 56-59 My '67.

ELECTRIC KILNS

- Production of fused refractories in the experimentation shop of the Podolsk Refractory Materials Plant. A. G. Marants and others. Ognepriem. 32 no. 4 9-12 '67.

ELECTRIC LAMPS see subdivision under Eriyan

ELECTRIC LIGHT FIXTURES

- Light fixtures with liquid polyvinyl chloride film material. Svetotekhnika 13 no. 6 10-11 Je '67.

ELECTRIC LIGHTING

- Calculation of average cylindrical illumination from large evenly bright surfaces with rectangular form and vertical orientation of the cylinder. M. M. Gukov, E. A. Nikitin. Svetotekhnika 13 no. 6 20-22 Je '67.
- Graphical method for designing lighting networks taking into account voltage drop. E. A. Ferman, Svetotekhnika 13 no. 6 26 Je '67.
- Remarks on Sh. L. Faerman's article. V. V. Novikov. Svetotekhnika 13 no. 6 27-28 Je '67.
- Through the pages of foreign magazines. Svetotekhnika 13 no. 6 30 Je '67.
- Work of the light engineering section of the Central Administration of the Scientific and Technical Society of the Power Industry. M. S. Radionov. Svetotekhnika 13 no. 6 28-29 Je '67.

ELECTRIC LIGHTING, MERCURY VAPOR

- Electrodeless high-frequency mercury-argon lamps. E. A. Ab, V. I. Gordin, A. I. Levitin. Gofr. app. no. 28 155-169 '66.

ELECTRIC LINES see subdivision under White Russia

ELECTRIC LINES—OVERHEAD

- Analysis of the dependence of voltage and power losses on the magnitude of reactive parameters of electric power transmission lines. E. N. Zuev. Izv. AN SSSR Energ. i transp. no. 1 44-62 Ja '67.
- Calculation of the conductivity of permanent soils. N. N. Maksimenko, O. I. Uvarov, V. P. Chumakov. Elektrosvyaz' 21 no. 5 75-77 My '67.
- Calculation of the parameters of overhead lines with laminar structure of the soil. K. K. Abramov. Fiz. i sist. avtom. no. 2 32-38 '66.
- Ultimate stress of steel-stranded aluminum wires. E. P. Nikiforov. Elektr. sta. 38 no. 5 59-62 My '67.
- Use of a characteristics technique in the solution of the equations of a two-wire electric power transmission line. Ch. M. Druzhinnyy, E. V. Dmitriyev. Izv. AN SSSR Energ. i transp. no. 1 48-53 Ja '67.
- Wear of a wire beneath the hooks of spacers in 330 kv power transmission lines. L. F. Kovtun. Elektr. sta. 38 no. 5 57-59 My '67.

ELECTRIC LINES—POLES AND TOWERS

- Gal'poin, M. L. [Wooden supports of electric power transmission lines] Derevyannyye opory linii elektropredachi. Moskva, Energiya, 1967. 192 p.

ELECTRIC POWER DISTRIBUTION

(see also subdivision under Kazakhstan)

Analysis of the dependence of voltage and power losses on the magnitude of reactive parameters of electric power transmission lines. E. N. Zayev. Izv. AN SSSR Energ. i transp. no. 1-2-62. Ja-F '67.

Analysis of the schematics of electrical networks using digital computers. P. Dimov. Izv. AN SSSR, Energ. i transp. no. 1-2-61. Ja-F '67.

Calculation of the configuration of an overhead electrical network based on the geometric solution of Shkrebina's problem. G. M. Smolov, A. I. Kazhdan. Izv. Vys. ucheb. zav., elektromekh. no. 1-31-11. Ja '67.

Dynamic stability of electric power transmission lines with compensated supporting synchronous compensators. G. N. Bileva. Izv. AN UzSSR, Ser. tekhn. nauk. 10 no. 5, p. 15 '66.

Galkin, B. S. [Reliability and safety in operating electrical equipment]. Nadezhnost' i bezopasnost' eksploatatsii elektromobirovaniia. Izd. 3., perer. i dop. Moskva, Energiia, 1967. 199 p.

[Handbook on electrical systems of industrial enterprises in four volumes]. Spravochnik po elektrosnabzheniiu promyshlennyykh predpriyatiy v chetyrekh tomakh. Priblizhitel'no red. N. S. Moysosova, A. M. Khramushina, M. Shkva, I. Nepolina.

Vol. 1. [Installation systems design. Electrical structures and installation equipment]. Konstruktsionnoe elektrosnabzhenie. Elektrikostruktsii i montazhnye izdeliia. Pod red. V. A. Gracheva, I. I. Ligermana, I. L. Lihumirskogo. 1967. 368 p.

Fargel'dakov, L. A., and M. L. Karlov. [Electric power supply of seaports]. Elektrifikatsionnoe morskikh portov. Moskva, Transport, 1967. 210 p.

Feasibility of current currents in rural 35 and 10 kv. power distribution networks. K. M. Semichin and others. Trudy Pribl. i tekh. no. 1-2-61. Ja-F '67.

Feasibility problems in the development of reference in the field of electric power systems. I. M. Markovitch, S. S. Kabanov. Izv. AN SSSR, Energ. i transp. no. 1-3-7. Ja-F '67.

Use of V. A. Korlov's article "Efficient structure of a high-voltage power distribution network". I. M. Markovitch. Elek. sta. 38 no. 5-6:6. My '67.

Feasibility of differential protection systems in the operation of a transformer bank on two phases. V. A. Gerasimov. Elek. sta. 38 no. 5-6:1-65. My '67.

Feasibility of single-phase automatic reclosing in high-voltage power transmission lines. M. F. Pribl. i tekh. V. A. Semenov. Elek. sta. 38 no. 5-6:7-69. My '67.

Feasibility of a system controlling of two-wires in phase. M. F. Pribl. i tekh. V. V. Kozlov. Elek. sta. 38 no. 5-6:1-67. My '67.

Feasibility of capacity of OD-110 separator in a 110 kv. electric power distribution unit. P. N. Ponomarev, I. L. Gerasimov. Elek. sta. 38 no. 5-7:1-75. My '67.

Feasibility in nonmetallic conductors. O. V. Torgov, I. L. Pribl. i tekh. Teor. i tekhn. no. 2-144-147. '66.

Use of a characteristic technique in the solution of the problem of a high-voltage electric power transmission line. M. F. Pribl. i tekh. V. V. Dmitriev. Izv. AN SSSR, Energ. i transp. no. 1-2-61. Ja-F '67.

Use of a phase and ground system for electric power supply of small rural populated places. V. K. Pribl. i tekh. I. I. Mironov. Trudy Pribl. i tekh. no. 1-2-61. Ja-F '67.

Use of modeling in the study of power supply systems of electric power networks. V. D. Tikhonov. Izv. vys. ucheb. zav., elektromekh. no. 1-2-61. Ja '67.

Use of probability and statistical modeling in the calculation of reactive loads of industrial enterprises. V. I. Pribl. i tekh. Izv. vys. ucheb. zav., elektromekh. no. 1-2-61. Ja '67.

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Calculation of the parameters of a high-frequency channel in electric power transmission lines. M. V. Kontenok, I. I. Pribl. i tekh. Izv. AN SSSR, Energ. i transp. no. 1-2-61. Ja-F '67.

Calculation of the parameters of overhead lines with random structure of the soil. K. K. Abimov. Pribl. i tekh. no. 2-47-38. '66.

Design of high-frequency communication channels of long-distance power transmission line networks. I. F. Ogorodnikov. Pribl. i tekh. no. 4-126-132. '66.

Increasing the reliability of digital data transmission through power transmission lines. I. N. Pytushenko, V. I. Vasil'ev. Mekh. i avtom. no. 2-55-56. Mr. Ap. '67.

Using multi-frequency channel for transmitting remote control signals through 10 kv municipal power distribution networks. I. D. Protchenko, S. P. Karimants, V. A. Onitskiy. Nauk. i tekhn. no. 5-3-10. '66.

ELECTRIC POWER DISTRIBUTION—CONGRESSES

Principal trends in the design and development of a municipal electric power distribution networks. reports of a scientific and technical conference. V. D. Tikhonov. Elek. sta. 38 no. 6-80-83. My '67.

ELECTRIC POWER DISTRIBUTION—HIGH TENSION

Results of the measurement of internal overvoltages in operational 500 kv power transmission systems. V. D. Kabanov and others. Izv. AN SSSR, Energ. i transp. no. 1-30-17. Ja-F '67.

ELECTRIC POWER DISTRIBUTION—RELIABILITY

Optimal preventive maintenance in some complex systems. S. H. Dimov. Izv. AN SSSR, Energ. i transp. no. 1-2-102. Ja-F '67.

ELECTRIC POWER PLANTS

(see also subdivision under United States)

Analysis of the effectiveness of modernization the steam-cycle operating thermal electric power plants. Teploenergetika. 14 no. 5-10-26. My '67.

Effective high-pressure steam-gas superstructures for thermal electric power plants. S. V. Ryshkev, F. M. Zommergrad. Teploenergetika. 11 no. 5-13-19. My '67.

Feasibility of geothermal and electric power plant. B. F. Shubin. Elek. sta. 38 no. 5-20-22. My '67.

Functions of the distribution of the probabilities of available power of block-type electric power plants. D. A. Gol'din. Izv. AN SSSR, Energ. i transp. no. 1-83-91. Ja-F '67.

Large plant operated electric power plants. G. I. Piskov. Teploenergetika. 14 no. 5-52-56. My '67.

Method of optimal distribution of the thermal and electric loads of thermal electric power plants. E. B. Vukhondov, N. P. Vukhondov. Za tekhn. prog. 7 no. 2-17-19. My '67.

Overall automation of electric power plants. V. S. Pribl. i tekh. V. A. Minkov, G. I. Khutsik. Teploenergetika. 14 no. 2-93-91. Ja-F '67.

Present-day trends in selection of water conditions and materials of condensate feed channel blocks with supercritical pressure. M. A. Styrkovich and others. Elek. sta. 38 no. 5-37-11. My '67.

Problems for using new systems of automatic control in thermal electric power plants. S. A. Kantor, G. I. Khutsik. Energiya i tekhnika. 13 no. 1-22-25. Ja '67.

Selection of main networks of electrical connections of block-type electric power plants. F. I. Sinel'nikov. Elek. sta. 38 no. 5-9-19. My '67.

Selection of optimal systems of steam-gas power plants. V. A. Minkov, V. V. Puzukhin. Teploenergetika. 11 no. 4-26-32. My '67.

Socialist obligations. Elek. sta. 38 no. 3-2-3. My '67. Technical and economic effectiveness of the consolidation of condensing blocks. A. I. Gel'tman, L. N. Moiseeva. Izv. AN SSSR, Energ. i transp. no. 1-67-82. Ja-F '67.

ELECTRIC POWER PLANTS—ELECTRIC EQUIPMENT

Gerasimov, S. G. [Theoretical fundamentals of automatic regulation of thermal processes]. Teoreticheskie osnovy avtomaticheskogo regulirovaniia teplovyykh protsessov. Moskva, Vysshaya shkola.

Pl. 1. [General theories and concepts]. Obshchie polozheniia i poniatia. 1967. 206 p.

ELECTRIC POWER PLANTS—ELECTRONIC EQUIPMENT

Device for automatic control of signal levels in telephony. A. L. Val'khanov. Elek. sta. 38 no. 5-78-79. My '67.

ELECTRIC POWER PLANTS—SAFETY MEASURES

Decoder for thermal protection systems using thyristors. V. P. Pribl. i tekh. Elek. sta. 38 no. 5-73. My '67.

ELECTRIC POWER PLANTS—WATER SUPPLY

Operation of storage tanks and quality of water. V. A. Pribl. i tekh. A. A. Tueva. Elek. sta. 38 no. 5-12-45. My '67.

ELECTRIC POWER SUPPLY TO APPARATUS

Use alternating current. N. Mikhov. Tekhn. i vooruzh. 25 no. 11-21-27. N '66.

ELECTRIC PROSPECTING

Effect of the shape of pulses of the exciting current in the method of Hallen's. G. I. A. Shalunov. Geofiz. app. no. 26-52-60. '66.

Effectiveness of using the method of natural electric field in deep boreholes. I. U. A. Kalashnikov, Izv. AN Kazakh. SSIR, Ser. geol. 21 no. 3-65-68. My-Je '67.

Normal series of frequencies in electric prospecting. P. D. Koshinov. Geofiz. app. no. 29-169-175. '66.

Use of electric prospecting methods in studying karst shows on the site of the future spa "Gagra Al'piskaya." D. A. Tshishvili, G. G. Tabagun. Soob. AN Gruz. SSR. 46 no. 2-333-339. My '67.

ELECTRIC PROSPECTING—EQUIPMENT AND SUPPLIES

Analysis of various systems of arrangement of frames for use in airborne electric prospecting. A. T. Roks. Geofiz. app. no. 2-181-188. '65.

Normal series of frequencies for electric-prospecting equipment. A. I. Vishniakov, V. K. Rybin, B. S. Sobol'. Geofiz. app. no. 29-176-181. '66.

Remarks on the performance of ANCH-1 apparatus. A. V. Veshiv, A. V. Ilyukov. Geofiz. app. no. 23-180-183. '65.

Use of ANCH-1 apparatus in determining the electric field of occurrence of rocks from the angle of slope of the magnetic field vector. A. V. Veshiv, A. V. Ilyukov. Geofiz. app. no. 23-180-186. '65.

Use of ground electric prospecting tools using the BDK method. K. V. Mikhov. Tekhn. i vooruzh. no. 23-186-202. '66.

ELECTRIC PROTECTION

Device for the protection from contacting current contacting parts. V. I. Kozlov. Izv. vys. ucheb. zav., elektromekh. no. 4-47-48. '67.

Elimination of vibration in electromagnetic protective relays during operation with nonsinusoidal current. V. F. Zinchenko. Izv. vys. ucheb. zav., elektromekh. no. 4-47-178. Ap. '67.

Use of current relays with stepping characteristics in the selective start of protection systems. F. I. Vasil'ev, I. A. Mukhomorov, A. K. Slavin. Mekh. i avtom. no. 2-12-45. Mr. Ap. '67.

Zero current protection system in automatic control. A. Abimov, L. Pina, V. Kaplenko. Tekhn. i vooruzh. no. 4-36-37. '67.

ELECTRIC PUMPING MACHINERY see Pumping machinery, Electric

ELECTRIC RAILROADS

[Measuring electrical devices on railroads]. Izmereniia v elektricheskikh ustroystvakh zheleznodorozhnogo transporta. [By] A. L. Barinovskii i dr. Moskva, Transport, 1967. 462 p.

ELECTRIC RAILROADS—CURRENT SUPPLY

Electronic device aids the composition of a train operation chart. B. A. Kotov, N. G. Vasil'ev, B. I. Ipatov. Elek. i tepl. tiaga. 11 no. 4-13-14. Ap. '67.

Special features of transverse capacitive compensation. Emil Petrov. Elek. i tepl. tiaga. 11 no. 4-39. Ap. '67.

ELECTRIC RAILROADS—ROLLING STOCK

Medel', V. B., comp. [Methodological registration in the composition of draft projects on electric locomotive cars and motor cars]. Metodicheskai zapiska so slavienniu eskiznogo proekta elektrovoznykh i motorvagonnykh teletzhek. Moskva, 1967. 48 p.

Principal electric network of ER22 electric trains. L. S. Lyubuk. Elek. i tepl. tiaga. 11 no. 5-19-30. My '67.

ELECTRIC RAILROADS—SUBSTATIONS

Parameters of a filter of a 6 kv traction substation. B. S. Gol'dovskii. Izv. vys. ucheb. zav., elektromekh. no. 1-12-111. Ja '67.

ELECTRIC RAILWAY MOTORS

Conditions leading to the origination of commutator fire in a traction motor. B. G. Kamenetski, A. I. Egorov. Elektrifikatsia. 38 no. 5-21-24. My '67.

Effect of deviations in the magnetic system of the main poles of electric traction motors on the magnitude of induction in the zone of commutation. V. G. Galin. Nauch. trudy OMI. no. 56. 91-96. '65.

Effective improvement of the commutation of traction motors with pulsating current. G. V. Vasilenko. Elektrifikatsia. 38 no. 5-24-27. My '67.

Improvement of the traction motors of main line electric locomotives. V. I. Bocharov, P. A. Zolotarev. Elektrifikatsia. 38 no. 5-3-6. My '67.

ELECTRIC RAILWAY MOTORS—MAINTENANCE AND REPAIR

Device for machining collector bars. N. I. Parshenkov. Elek. i tepl. tiaga. 11 no. 4-15. Ap. '67.

ELECTRIC RAILWAY MOTORS—WINDINGS

Automatic device for counting winding turns. G. S. Pitsukha, A. I. Kopitsa. Elek. i tepl. tiaga. 11 no. 4-14. Ap. '67.

ELECTRIC RELAYS

Directional current relay. I. U. A. Gerasimov, P. S. Gerasimovskii, I. P. Zasenkov. Mekh. i avtom. no. 2-39-42. Mr. Ap. '67.

Elimination of vibration in electromagnetic protective relays during operation with nonsinusoidal current. V. F. Zinchenko. Izv. vys. ucheb. zav., elektromekh. no. 4-47-478. Ap. '67.

High-speed contactless directional pulsed power relay. I. U. A. Gerasimov, V. V. Mikhailov. Izv. vys. ucheb. zav., elektromekh. no. 1-98-104. Ja '67.

Method for registering reductions of electromagnetic relays. V. A. Mikhailov, V. N. Davidenko, V. V. Logvin. Pribl. i tekh. no. 2-99-103. '66.

Study of angular characteristics of semiconductor resistance relays. S. S. Rorov. Izv. vys. ucheb. zav., elektromekh. no. 4-479-483. Ap. '67.

Use of current relays with stepping characteristics in the selective start of protection systems. E. I. Malakhovskii, I. A. Mukhomorov, A. K. Slavin. Mekh. i avtom. no. 2-12-45. Mr. Ap. '67.

ELECTRON MICROSCOPY

Observing the α - and γ -phases in electron microscopy. P. G. Gerasimov, M. I. Ivanenko. *Zh. fiz. khim.* 31 no. 3 319 '67.

Electron microscope study of microorganisms from organic soils. Sh. A. Chulakov, Zh. U. Minnina. *Vest. AN SSSR* 21 no. 1 60-63 Apr '67.

Electron-microscopic study of the crystal structure of α -1,4-tubulin. A. I. Maric, G. I. Novikov, G. F. Isakovich. *Dokl. Akad. Nauk SSSR* 26 no. 5 11-15 '67.

Electron microscopy of plant tissues and cells cultivated in vitro. K. A. Z. Ul'trastructure of some tissues of plants - culture. P. H. Sydorov, O. M. Nedukha, L. I. P. Bur. *Zh. fiz. khim.* 41 no. 2 33-38 Mar-Apr '67.

Landstam, G. P., L. L. Litinskaya, and V. L. Shukhmato. [Automatic analysis of microscopic objects.] *Automaticheskii analiz mikroskopicheskikh*. Moskva, Energiya, 1967 222 p.

Microanalysis in electron microscopic studies of plant cells. A. I. Maric, B. I. Matlenko, P. G. Sidukha. *Tr. Vsesoyuzn. nauch. konf. po fiz. khim.* 11 no. 1 1-27 May '67.

Predproduction heat-treatment of niobium-base alloys. Y. M. Sviridov, G. B. Dvornichenko. *Izv. AN SSSR Met.* no. 1 152-153 May '67.

Process of denaturation of the size of the irradiated part of the object in electron microscopy. G. S. Zhdanov, V. V. Voznesenskiy. *Opt. mekh. prom.* 31 no. 5 61 May '67.

Scanning electron microscope for processing topography of electron microscopy. L. S. Gaiduk, L. V. V. uchuk. *Zh. fiz. khim.* 41 no. 5 67-71 '66.

ELECTRON OPTICS

Electron optics. V. I. Zhuravkov and R. V. Khokhlov. article "Light model of electron optics." *Radiotekhnika i elektronika* 12 no. 6 1136-1137 Je '67.

Electron-optical parameters of two-electrode cylindrical vacuum tubes. L. G. Glikman, V. M. Kabanov, B. I. Litinskaya. *Zh. fiz. khim.* 41 no. 6 1023-1031 Je '67.

Landstam, G. P., L. L. Litinskaya, and V. L. Shukhmato. [Automatic analysis of microscopic objects.] *Automaticheskii analiz mikroskopicheskikh*. Moskva, Energiya, 1967 222 p.

Kalys, G. P., and others. [Modulation and deflection of optical radiation.] *Modulatsiya i odkloneniye opticheskogo izlucheniya*. Moskva, Nauka, 1967, 175 p.

Optical microscope factor of the electrostatic focusing system in the case of different method of electron beam deflection. A. I. Gerasimov, Z. I. Litinskaya. *Zh. fiz. khim.* 41 no. 6 1011-1011 Je '67.

Recording, storage, and reproduction of the optical image by means of the Gerdyn-Pohl effect. A. G. Gaiduk, A. I. Prokhorov. *Opt. spekt.* 22 no. 5 815-816 May '67.

Use of an octapole magnetic lens in the correction of distortion-type aberration. V. P. Kuznetsov, B. A. Utekhin. *Radiotekhnika i elektronika* 12 no. 6 1132-1131 Je '67.

Use of the least square method for the calculation of magnetic lenses. I. A. Shapko. *Opt. mekh. prom.* 31 no. 5 10-12 May '67.

ELECTRON PARAMAGNETIC RESONANCE

Color centers in glasses with neodymium. N. R. Brachyovskaya, G. O. Karapetian, D. M. Iudin. *Izv. AN SSSR, Ser. fiz.* 21 no. 5 807-808 May '67.

Correspondence of regularities of delocalization of spin density as inferred from the data of electron paramagnetic resonance in radicals and nuclear magnetic resonance in radicals and complexes of paramagnetic ions. I. I. Zayac and others. *Dokl. AN SSSR* 173 no. 6 1170-1171 Apr '67.

Crystal field in schottky structures. L. A. Shkuna, O. A. Lyskiy. *Zh. fiz. khim.* 41 no. 5 776-787 May '67.

Electron-donor and electron-acceptor properties of glasses. A. A. Sultanov and others. *Uzb. biol. zh.* 11 no. 2 3-6 '67.

Electron paramagnetic resonance of anion radicals of α -acetoxybenzoic acid dimethyl and diethyl acetate. V. I. Prokhorov, S. P. Solodovnikov. *Izv. AN SSSR, Ser. Khim.* no. 4 821-823 Apr '67.

Electron paramagnetic resonance spectra of polyvinyl acetate-base semiconductors. A. D. Chishina, I. A. Vaks, N. A. Bakht. *Ku. i. pat.* 8 no. 2 301-308 Mar-Apr '67.

Electron paramagnetic resonance study of paramagnetic centers in γ -irradiated polyethylene. T. H. Kishpoint, V. K. Mitshuk. *Khim. vys. energ.* 1 no. 3 242-247 May-Je '67.

Local charge compensation in glasses. G. O. Karapetian, D. M. Iudin, D. G. Galimov. *Izv. AN SSSR, Ser. fiz.* 31 no. 5 809-810 May '67.

Paramagnetic resonance of erbium nitrate. B. G. Borisova, T. I. Sanadze. *Tr. Tbil. G. I. no. 103 183-185 '63*

Radiolysis of succinic acid. V. I. Glagolev, V. D. Shatov. *Khim. vys. energ.* 1 no. 2 213-219 May-Je '67.

Some paramagnetic centers in phosphors based on CaSO_4 . Sh. A. Alimov, B. M. Nosenko. *Izv. AN SSSR, Ser. fiz.* 31 no. 5 842-844 May '67.

Study of nucleosomorphism in synthetic fluorophosphate by the method of electron paramagnetic resonance. A. I. Nuzovnikov, M. I. Samoilovich, A. A. Seigev-Hobit. *Vest. IGTI* 22 no. 6 58-60 May '67.

Use of electron paramagnetic resonance in polymer chemistry. S. L. Bresler, L. N. Kozlovskiy. *Usp. khim.* 36 no. 4 720-743 Apr '67.

ELECTRON-TUBE AMPLIFIERS see Amplifiers, Electron-tube

ELECTRON-TUBE DIODES see Diodes, Electron-tube

ELECTRON TUBES

Economics of the reliability of electronic vacuum devices. S. A. Obukovskiy. *Radiotekhnika* 22 no. 5 45-46 May '67.

Shibaev, N. A. [Electron tubes and semiconductor devices.] *Elektronika i poluprovodnikovye pribory*. Moskva, Voenizdat, 1967, 423 p.

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

ELECTRONEGATIVITY

Relation between different scales of electronegativities in MO and CO approximation. N. P. Borisova. *Vest. IGTI* 22 no. 1 137-141 '67.

ELECTRONIC ANALOG COMPUTERS

Analog computing devices for determining the relationships of two time intervals. G. I. Kravkov. *Mekh. i avtom. upr.* no. 2 1-18 Mar-Apr '67.

Methods for solving problems in mathematical programming using all-purpose analog computers. L. I. Dudnikov, M. V. Rybakov. *Avtom. i tekh. no. 5 109-112 Mar '67*

ELECTRONIC APPARATUS AND APPLIANCES

Gubinskiy, A. I. [Methods for calculating reliability taking into account parameters of the control system.] *Metody i ucheta nadezhnosti i ucheta parametrov sistem kontrolya rabotosposobnosti*. Leningrad, 1967, 37 p. (Leningradskiy dom nauchno-tekhnicheskoy promyshlennosti, Nauchno-tekhnicheskii otdel, Seriya Uchebno-nauchnye kachestva, posvyashchennoye nadezhnosti i dolgoletnosti mashin, prikladnoye elektronnoye radioelektronnoye apparaturo)

Law of distribution of the deficiencies of certain radio electronic systems. Sh. L. Rubashov. *Tr. Tbil. G. I. no. 103 187-192 '65*

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

Voronev, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology.] *Fizicheskie osnovy elektronnoy tekhniki*. Moskva, Vysshaya shkola, 1967, 351 p.

Zatesskiy, A. M., and G. A. Kiselev. [Thermal calculations of electrical apparatus.] *Temperaturnye raschety elektricheskikh apparatov*. Leningrad, Energiya, 1967, 378 p. (Seriya monografiy po elektricheskim apparatam vysokogo napitazheniya)

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] *Ref. zhur. 'Atom. i tekh. i vych. tekhn.* no. 7 31 '67.

[Journal of abstracts 'Cybernetics'] *Ref. zhur. 'Kib. nos. 5-6 My-Je '67*.

ELECTRONIC COMPUTERS—CIRCUITS

Babich, G. Kh., A. G. Gens, and F. V. Majorov. [Dynamic four-cycle elements with memory condensers.] *Dinamicheskie chetyrekhklyuchnye elementy s zapominal'shim kondensatorom*. Moskva, Nauka, 1966, 96 p.

Construction of a "voltage-code" converter system using standardized units. I. G. Malakhov. *Prib. i sist. avtom.* no. 4 87-91 '66.

Converter of a voltage to digital code. V. I. Basov, V. S. Romashkin, V. I. Tupitsin. *Prib. i sist. avtom.* no. 2 22-23 '66.

Double threshold element using a transistor. Ch. I. Askarov, M. B. Gaiduk, V. A. Semakova. *Avtom. i tekh. no. 5 166-170 Mar '67*

New method for series-parallel multiplication. R. V. Korobkov. *Izv. vuzov, vych. zav., elektronika*. no. 3 389-391 Apr '67.

Pavlovskiy, I. A. N., and I. N. Pavlovskiy. [Study of formal models of link processes of logical elements of electronic computers.] *Issledovanie formal'nykh modelей po otsenke svyazi logicheskikh elementov EVM*. Moskva, 1966, 67 p. (Elektronnyye vychislitel'nye mashiny)

Potential converter of a binary code to series-parallel quality code. T. A. Kostichuk. *Prib. i sist. avtom.* no. 2 26-31 '66.

Resonance binary-decimal counter with increased speed. V. N. Shenderovich. *Mekh. i avtom. upr.* no. 2 26-30 Mar-Apr '67.

Transient processes in a ternary parametric. S. A. Akhmanov, V. P. Komolov, A. S. Roshal'. *Radiotekhnika* 22 no. 5 87-91 May '67.

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Bereznoi, E. F., and G. A. Kurenkova. [Magnetostatic interactions in magnetic film memory matrix.] *Magnitostatische vzaimodeystviya elementov magnitoplennichoi zapominal'shicheskoi matritsy*. Moskva, 1966, 43 p. (Elektronnyye vychislitel'nye mashiny)

Bereznoi, E. F., and G. A. Kurenkova. [Magnetostatic interactions in magnetic film memory matrix.] *Magnitostatische vzaimodeystviya elementov magnitoplennichoi zapominal'shicheskoi matritsy*. Moskva, 1966, 43 p. (Elektronnyye vychislitel'nye mashiny)

ELECTRONIC COMPUTERS—PRINT-OUT EQUIPMENT

Digital printing device with EVM-2 type writer. T. T. Davov. *Prib. i sist. avtom.* no. 2 106-110 '66.

ELECTRONIC COMPUTERS—RELIABILITY

Evaluation of the effectiveness of reservation of elements of digital computers by means of nomograms. N. P. Ushakov, A. I. Shukhina. *Mekh. i avtom. upr.* no. 2 30-32 Mar-Apr '67.

Problem in optimal reservation. O. G. Alekseev, Izv. AN SSSR, Tekh. kib. no. 1 14-17 Jan-Feb '67.

ELECTRONIC DATA PROCESSING

(see also subdivision under Germany, West, White Russia)

Adaptive system for collecting and treating information. T. I. Gubenko. *Prib. i sist. avtom.* no. 2 116-113 '66.

Analysis of the schematics of electrical networks using digital computers. P. Dima. *Izv. AN SSSR, Energiya* 11 no. 1 8-14 Jan-Feb '67.

Increasing accuracy in information transmission in complex systems using electronic computers. I. U. Molodtsov, Izv. AN SSSR, Tekh. kib. no. 1 82-88 Jan-Feb '67.

Mathematical language of science. I. U. Molodtsov, Mol. komm. no. 5 110-116 '67.

[Problems in computational mathematics.] *Voprosy vychislitel'noi matematiki*. Baku, Ed-vo Akad. nauk Azerbaidzhan'skoi SSR, 1967, 216 p.

System for gathering and processing information for program correction. T. I. Gubenko. *Prib. i sist. avtom.* no. 2 120-121 '66.

Use of an electronic computer to obtain random numbers with representative distribution. G. A. Ososkov, Zhur. vych. mat. i mat. fiz. 7 no. 3 710-713 May-Je '67.

ELECTRONIC DATA PROCESSING—AREA MEASUREMENT

Automatic determination of geometrical parameters of two-dimensional figures. P. I. Istakhov. *Prom. Bet.* 10 no. 6 147 Je '67.

Synthesis of electro-mechanical devices for automatic noncontact determination of geometrical parameters of flat figures. B. N. Skladnov, B. N. Iurukhin, I. U. Litveev. *Mekh. mash. no. 3/4 50-58 '66*.

ELECTRONIC DATA PROCESSING—BEAMS AND GIRDERS

Determining the frequencies of natural vibrations of coverings on the "Ural-2" electronic computer. V. D. Losovatskiy, V. F. Strichenko. *Sudostr. i mor. soob.* no. 2 150-155 '66.

ELECTRONIC DATA PROCESSING—STRIP MINING

Determination of the length and yield of an excavator -
of block. V. N. Smirnovskiy, N. D. Zolotarev.
Zhp. 1971. 32 no. 1. 23-27. '66

ELECTRONIC DATA PROCESSING—STYLE, LITERARY

Automated and statistical methods in stylistics. J.
V. Strik. Vop. iz. no. 1. 12-52. My-Je. '67

ELECTRONIC DATA PROCESSING—TEMPERATURE FIELDS

Calculating the wall temperature of heat-exchanger tubes
with the aid of an electronic digital computer. E. M.
Tj. 1970. 12 no. 1. 169-173. Ap. '67

ELECTRONIC DATA PROCESSING—TEXTILE INDUSTRY

Characteristics of the calculation of the technical, indus-
trial and financial plan of the finishing factory on elec-
tronic computers. A. P. Pavlov. Izv. v. uchb. zav. pri-
k. 1970. 12 no. 1. 3-8. '67

ELECTRONIC DATA PROCESSING—TOPOLOGICAL DYNAMICS

Electronic digital computers and the dynamics of top-
ologically complex structures. V. D. Shchukov. Tudy.
LPI no. 260. 89-94. '66

ELECTRONIC DATA PROCESSING—TORSION

Solving by electronic computer the problem of torsion of
thin-walled rods in conditions of unbalanced creep.
M. B. Yakubovich. Izv. AN U. SSR. Tekhn. nauk.
11 no. 3. 19-21. '67

ELECTRONIC DATA PROCESSING—TRANSPORTATION, AUTOMOTIVE

Using analog computers in solving network transporta-
tion problems. B. L. Khachat. Avt. transp. [Kiev] no. 3.
2-13. '66

Use of mathematical methods and computers in planning
transportation of construction equipment. N. M.
L. 1970. V. G. P. 1970. L. V. Rubinskaya. Avt. transp.
[Kiev] no. 3. 3-7. '66

ELECTRONIC DATA PROCESSING—WAGES see subdivision under Mines

ELECTRONIC DIFFERENTIAL ANALYZERS

Analysis of errors of a digital differential analyzer with
analogical operation. L. A. Lukashchuk. V. N. Shul'ga.
Kont. 1971. 12 no. 3. 42-44. '66

Correlation of errors and scales of variables in the
solution of ordinary differential equations on digital
differential analyzers. L. A. Lukashchuk. Kont. 1971. 12
no. 3. 45-48. '66

ELECTRONIC DIGITAL COMPUTERS

Construction of discrete models of continuous links in
the circuit of a control system. G. A. Burov. Prikl.
1971. 12 no. 1. 102-108. '66

Digital computers for controlling the deviation of plants
from a given course. A. A. Volkov and others. Prikl.
1971. 12 no. 1. 117-125. '66

Problems of digital simulation of discrete automatic
systems. G. F. Lugevol. Prikl. 1971. 12 no. 4. 95-
101. '66

Rational method of calculating the curves of radial
distribution of electron density by means of an electron-
ic digital computer. I. A. Monashkin, A. I. Ryss, L. M.
Tenchum. Zhur. strukt. khim. 8 no. 2. 371-373. Mi-
Ap. '67

Special features of the analysis and synthesis of some
complex discrete systems using the LChKh method.
G. N. Cherkashin. Prikl. 1971. 12 no. 1. 7-9. '66

Stochastic models of the functioning of asynchronous
digital computers. D. K. Degilayev. Izv. AN SSSR. Tekh.
kib. 1971. 12 no. 1. 103-105. Mi-Ap. '67

Use of linear group correcting codes in parallel-type
digital computers. K. P. Rudnev, I. A. V. Khetagurov.
Izv. v. uchb. zav. elektromekh. no. 1. 406-416. Ap.
'67

ELECTRONIC DIGITAL COMPUTERS—TESTING

Using electronic digital computers in establishing test
programs. R. S. Gidman. Izv. v. uchb. zav. prikl.
10 no. 4. 77-81. '67

ELECTRONIC INDUSTRIES

Pertin, I. A., and N. V. Potlakov. [Overall mechaniza-
tion and automation of transport and storage operations
in radio equipment and instrument] Kompleksnaya
mekhanizatsiya i avtomatizatsiya transportnykh i sklad-
skikh rabot v radiotekhnicheskoi i priborostroitel'noi
promyshlennosti. Leningrad, 1967. 39 p. (Leningrad-
skii nauchno-tekhnicheskii propagandy. Peredovoi
proizvodstvennyi opyt. Seriya Mekhanizatsiya i avto-
matizatsiya transportnykh i skladskikh rabot v pro-
myshlennosti)

Television system for measuring the dimensions of
objects using a two-camera method. E. I. Melnam,
I. A. Iashchuk, A. I. Susidko. Prikl. 1971. 12 no. 2.
136-139. '66

ELECTRONIC INDUSTRIES—QUALITY CONTROL

Optimal control of the drawing of single-crystals from a
melt. N. N. Golub. Izv. AN SSSR, Tekh. kib. no. 1.
174-178. Ja-F. '67

ELECTRONIC INSTRUMENTS

Frequency errors of rectifying devices with transformers.
V. P. Bodunov, A. V. Shumakov. Kont. 1971. 12 no.
3. 53-57. '66

ELECTRONIC INSTRUMENTS—RELIABILITY

Quantitative evaluation of the instability of errors of
electronic measuring devices. G. A. Kondrashova.
Stand. i vych. 31 no. 3. 23-24. My. '67

ELECTRONIC MEASUREMENTS

All-purpose digital instrument for industrial use. I. A.
Luchinitskiy. Prikl. 1971. 12 no. 2. 71-76. '66

Effect of the inequality of amplitudes on the accuracy of
null indicators of antiphase (opphase). V. I. Skripnik.
Izv. V. Shchukov. Kont. 1971. 12 no. 3. 22-27. '66

Electromagnetic flowmeter. I. A. Chelinskii, V. A.
Mukhomo. Mekh. i avtom. 1971. 12 no. 3. 33-35. Mi-
Ap. '67

Simulation of interference of electric measuring devices.
Zh. B. Lankovskii. Izv. v. uchb. zav. elektromekh.
no. 1. 103-109. Ja. '67

Synthesis of optimal decoding networks for standard
time devices and TP-type projection digital indicators.
I. N. Balas, N. V. Khramov. Kont. 1971. 12 no. 3.
28-35. '66

Synthesis of optimal switching decoder networks of
IN-type digital indicators for devices with reference
time measurement. I. N. Balas, N. V. Khramov.
Kont. 1971. 12 no. 3. 36-41. '66

Zero component of a digital converter using silicon
transistors (potential to time interval converter).
N. I. Shchukov. Prikl. 1971. 12 no. 2. 77-82. '66

ELECTRONIC MODELING

Using electronic modeling in investigating vibrations of a
motor vehicle. N. G. Dorodov, V. D. Olrik, V. N.
Cherkashin. Avt. transp. [Kiev] no. 1. 177-190. '66

ELECTRONIC NOISE

Criterion on input noise level for radio receivers. I. M.
Ambinder. Radiotekhnika 22 no. 5. 41-53. My. '67

ELECTRONICS

Sokolov, A. A. [Fundamentals of electronics] Osnovy
elektrotekhniki. Izd. 2., perer., 1 dop. Moskva, Vys-
shaya shkola, 1967. 159 p.

ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref. zh. i. Elek. i eo-
p. 11 no. 6. Je. '67

ELECTRONICS—CONGRESSES

Session of a scientific council on physical electronics.
A. L. Musilov and others. Radiotekhnika i elektronika. 12
no. 6. 110-112. Je. '67

ELECTRONICS IN AGRICULTURE

The function of machines. I. Dmitriyev. V. 11 no. 2. 23. '67

ELECTRONOGRAPHY see Electron diffraction apparatus

ELECTRONS

Approximate calculation of the electron excitation
velocity in some molecules in glow discharge. I. A.
Semakova, V. A. Sirokova. Vest. Mosk. un. Ser. 3.
Khim. 22 no. 2. 11-13. Mi-Ap. '67

Decomposition of molecular hydrogen ions in collisions
with thermal electrons. G. V. Dubinskii, V. D. Ob-
edkov. Astron. zh. 41 no. 2. 387-389. '67

Determining the parameters of the adiabatic state P_1/R
in the motion of an electron in axisymmetric magnetic
field. A. N. Dubinina, L. S. Kiselevskaya. Pis'ma v iud.
Zhur. eksp. i teoret. fiz. 5 no. 7. 230-233. Ap. '67

Electron disintegration of Cl_2 . N. G. Amashev and others.
Izv. fiz. 5 no. 5. 1131-1135. My. '67

Electron recombination in a weakly ionized gas. I. S.
Veselovskii. Zhur. eksp. i teoret. fiz. 52 no. 4. 1034-1038.
'67

Electron transfer in reactions of nitroso compounds.
Part 6: Conjugated reactions of trifluoromethanes, methanol,
phosphorus trichloride, and polyfluoroketones. V. A. Gins-
burg and others. Zhur. ob. khim. 37 no. 5. 1073-
1077. My. '67

Electron transfer in reactions of nitroso compounds.
Part 7: Conjugated reactions of trifluoromethanes, methanol,
nitrosyl chloride with polyfluoroketones. V. A. Gins-
burg and others. Zhur. ob. khim. 37 no. 5. 1077-1083.
My. '67

Electron transfer in reactions of nitroso compounds.
Part 8: Reaction of trifluoromethanes with nitric
oxide. V. A. Ginsburg, I. L. Martynova, M. N. Vasil'eva.
Zhur. ob. khim. 37 no. 5. 1083-1090. My. '67

Electron structure and properties of cumulated systems.
Part 10: Effect of vertical correlation of π -electrons
on energy spectrum of homocyclic cumulated. E. N.
Shustrovich, V. L. Lebedev. Zhur. strukt. khim. 8
no. 2. 369-371. Mi-Ap. '67

Electronic structure of acrylamide. B. R. Ambinder,
Z. V. Zvonkova, G. S. Zhdanov. Dokl. AN SSSR. 174
no. 1. 115-116. My. '67

Excitation of electrons in solids under ion bombardment.
I. A. Abramov, M. V. Efremov, N. N. Petrov. Tudy. LPI
no. 277. 84-88. '67

Homodyne phase indicator for measuring concentrations of
electrons in plasma. V. V. Khilich. Radiotekhnika i elektronika.
12 no. 6. 989-995. Je. '67

Rational method of calculating the curves of radial
distribution of electron density by means of an electron-
ic digital computer. I. A. Monashkin, A. I. Ryss, L. M.
Tenchum. Zhur. strukt. khim. 8 no. 2. 371-373. Mi-
Ap. '67

ELECTRONS—EMISION

Application of the generalized Wentzel-Kramers-Brillouin
method to the studies of vibrational-rotational
spectra of diatomic molecules. Part 2: Vibrational-
rotational spectrum of the Rydberg-Klein-Rice oscil-
lator. A. S. Vasilevskii, N. L. Zhurinov. Opt. i spekt. 22
no. 5. 730-731. My. '67

Electron emission from some metals under the action of
positive mercury ions. A. A. Dorodov. Tudy. LPI
no. 277. 10-12. '67

Electron emission spectrum of SeF₆. M. M. Novikov,
L. V. Gurvich. Opt. i spekt. 22 no. 5. 720-729. My.
'67

Electron excitation in solids by comparatively slow atomic
particles. I. A. Abramov, M. Z. Efremov, N. N. Petrov.
Izv. v. uchb. zav. 1971. 12 no. 1. 105-107. '67

Emission properties of powdered lanthanum hexaboride
depending on composition and purity. S. V. L. 1970. V. G. P. 1970. L. V. Rubinskaya. Avt. transp.
[Kiev] no. 3. 3-7. '66

Instability of the disturbed zone in the vicinity of a body
in a plasma subjected to electron emission from its
surface. V. V. Smirnova. Geomagn. i aer. 7 no. 1. 33-
44. '67

Ion-electron emission from alkali halide single crystals.
I. A. Abramov, P. I. Petrov. Tudy. LPI no. 277. 93-101.
'67

Ion-electron emission from certain metals under bombarda-
ment by positive hydrogen ions. A. A. Dorodov. Tudy.
LPI no. 277. 105-107. '67

Parilla, E. S. [Use of Auger neutralization in identify-
ing multiply charged ions] O vozmozhnosti ispol'zova-
niya ozhne-neitralizatsiya dlya identifikatsii mnogozaryad-
nykh ionov. [Dubna, 1967] 10 p.

Use of the cylindrical capacitor method in studying the
energy distribution of electrons emitted from a molyb-
denum specimen in bombarding with gases with ions
and atoms. U. A. Arifov and others. Izv. AN U. SSR.
Ser. fiz.-mat. nauk. 11 no. 3. 40-44. '67

ELECTRONS—SCATTERING

Differential characteristics of the reaction $H^+ + He^+$ p-p. T.
S. Machadze. Soob. AN Gruz. SSR. 46 no. 1. 53-60.
Ap. '67

Galvanomagnetic effects in strong electric fields during
nonelastic electron scattering. I. I. Vasilunas, I. D.
L. 1970. V. G. P. 1970. L. V. Rubinskaya. Avt. transp.
[Kiev] no. 3. 3-7. '66

Multiple scattering of slow electrons in a gas. Part 2.
I. A. Gavrilas, I. M. Kagan. Izv. v. uchb. zav. fiz. 52
no. 4. 1018-1024. '67

Scattering of 225 Mev electrons by Yb^{89} and Nb^{93} nuclei.
N. G. Shevchenko and others. Izv. fiz. 5 no. 5. 948-956.
My. '67

Theoretical expressions for the molecular component of
the intensity of electron scattering and its Fourier
transformations in approximation of harmonic nuclear
oscillations. I. U. L. 1970. V. G. P. 1970. L. V. Rubinskaya. Avt. transp.
[Kiev] no. 3. 3-7. '66

Unified description of the isotopic and space-time proper-
ties of elementary particles. D. D. Ivanenko, B. N.
Petrov. Vest. Mosk. un. Ser. 3. Fiz. i astr. 22 no. 3.
106-108. My-Je. '67

ELECTRONS—SPECTRA

Measuring the Shubnikov-De Haas effect in graphite
under pressure up to 8 kbars. F. S. Bakovich, L. M.
Ginsburg. Pis'ma v iud. Zhur. eksp. i teoret. fiz. 5
no. 5. 141-144. Mi. '67

Spectra of conversion electrons emitted during thermal
neutron capture by Eu^{151} and Eu^{153} . V. A. Roudnitskiy,
P. I. Petrov, I. L. Smirnova. Izv. fiz. 5 no. 5. 929-
942. My. '67

Electro-osmosis
Lowering the moisture content of isophthalic acid by
electroosmosis. N. I. Eklivina, N. N. Tsiurupa. Khim.
prom. 42 no. 9. 26-30. '66

ELECTROPHORESIS

Apparatus for vertical electrophoresis in starch and agar
gel. H. N. Gondeev, G. V. Kobozov. Vop. med. khim. 13
no. 3. 314-320. My-Je. '67

Protein spectrum of sturgeon blood serum based on disk
electrophoresis in polyacrylamide gel. V. I. Lukhanenko
and others. Dokl. AN SSSR. 174 no. 1. 227-229. My. '67

Purification of Clostridium perfringens anatoxin by
electrophoretic convection. V. S. Samsonova and others.
Zhur. mikrobiol., epid. i imm. 44 no. 6. 93-97. Je.
'67

Study of soluble tissue proteins in Bombyx mori L. by
electrophoresis in polyacrylamide gel. I. U. B. Filippov-
vich, L. I. Shchegoleva. Dokl. AN SSSR. 174 no. 1. 240-
242. My. '67

ENERGY-BAND THEORY OF SOLIDS

Effect of the end-point energy of bismuth electrons in a magnetic field. L. N. Pukh, V. V. Pimenko. *Zhur. teoret. fiz.* 52 no. 4 885-890 '67.

ENGELS—TEXTILE FIBERS, SYNTHETIC—QUALITY CONTROL

Reducing the fluff loss production system at the Engels Synthetic Fiber Works. V. K. Gusev. *Stand. i kach.* 31 no. 4 10-12 Ap '67.

ENGELS—TROLLEYBUSES

Life forced to learn. B. P. Prikevich. *Stand. i kach.* 31 no. 4 23 Ap '67.

ENGINEERING GEOLOGY

Comparison of experimental and theoretical data on the vertical distribution of orbital velocities according to the depth of wave flow. I. Sh. Khaifin. *Okeanologiya* 7 no. 2 245-251 M-Ap '67.

Study of the resistance of clay grounds to the displacement under dynamic loadings. A. A. Musachian. *Dokl. AN Tadjik. SSR* 10 no. 2 31-33 '67.

ENGINEERING MATHEMATICS

Falkh, D. I. [Universal computational nomogram] *Universalnaya vychislitel'naya nomogramma*. Izd. 3., ispr. i dop. Dnepropetrovsk, 1966. 11 p. [MICROFILM]

ENGINEERING LABORATORIES see subdivision under Tasks Province

ENGINEERING STANDARDS see Standards, Engineering

ENGELS—DESIGN AND CONSTRUCTION

Jakub, A. G., and others. [Organization and planning of task production at engine plants] *Organizatsiya i planirovaniye osnovnogo proizvodstva na dvigatel'skikh zavodakh*. Pod red. V. I. Novatskogo. M.: Mashinostroyeniye, 1967. 342 p.

ENGLISH LANGUAGE—CONVERSATION AND PHRASE BOOKS—RUSSIAN

Kalin, A. V., comp. [English-Russian phraseological dictionary. Approximately 25,000 phraseological units] *Anglo-russkii frazeologicheskii slovar'*. Okolo 25 000 frazeologicheskikh edinits. Izd. 3., ispr. v dvukh knigakh. Moskva, Sov. Entsiklopediya, 1967. 2 v.

ENGLISH LANGUAGE—STYLE

Free form of indirect speech and its stylistic function in Dickens' novels. L. P. Proshkina. *Uch. zap. GGTMA* 27 5-14 '66.

ENGLISH LANGUAGE—VERSIFICATION

The accent features of English syllabo-tonic verse. M. G. Tarbinskaya. *Voprosy* no. 3 81-92 M-Jr '67.

ENGLISH POETRY—HISTORY AND CRITICISM

The accent features of English syllabo-tonic verse. M. G. Tarbinskaya. *Voprosy* no. 3 81-92 M-Jr '67.

ENLIGHTENMENT

Historical lesson of the enlightenment. S. V. Turenev. *Nach. dokl. vya. shkoly. filol. nauk* 10 no. 3 97-106 '67.

Problem of enlightened realism. I. E. Vaitman. *Nauch. dokl. vya. shkoly. filol. nauk* 10 no. 3 107-110 '67.

ENTAMOEBA

Changes in Entamoeba histolytica in culture under the effect of emetin and metformin. L. M. Gidzeva. *Med. parazit. i parazit. bol.* 36 no. 2 209-216 M-Jr '67.

ENTIRE FUNCTIONS see Functions, Entire

ENTOMOLOGY

[Forest entomology] *Lesnaya entomologiya*. [By] N. N. Padi. 1 dr. Moskva, Lesnaya promyshl., 1965. 359 p. (ICF)

ENTOMOPATHOGENIC BACTERIA see Bacteria, Entomopathogenic

ENVIRONMENTAL ENGINEERING

Effects of the machine tools. N. S. Belink. *Prom. Bel.* 20 6 54 Je '67.

ENZYMES

Adaptive changes in the activity of some blood enzymes in nursing infants. R. G. Botsigian. *Zhur. eksp. i klin. med.* 7 no. 1 66-69 '67.

Comparative study of the effect of polysaccharides and alcohols on the synthesis of amylolytic enzymes in the submerged culture of the fungus *Aspergillus awamori*. T. I. Yusueva. *Dokl. AN Uz. SSR* 23 no. 7 54-56 '66.

Plastic deformations of protein-enzyme. D. S. Chernavskii, I. U. Khurgin, S. E. Shumil. *Mol. biol.* 1 no. 3 413-424 M-Je '67.

Enzymatic activity of intact conidia of actinomycetes. L. V. Kalakutskii, M. I. Duzha. *Mikrobiologiya* 36 no. 2 219-223 M-Ap '67.

Enzymatic activity of myosin B in different regions of the heart. S. S. Oganesian and others. *Kardiologiya* 7 no. 3 119-122 M-Je '67.

Enzymatic transformations of NAD in cellular fractions of skeletal muscles under normal conditions and following denervation. V. I. Telepneva. *Vop. med. khim.* 13 no. 3 242-247 M-Je '67.

Graphic method for studying transient enzymatic reactions. M. V. Volkenshteyn, B. N. Gol'dshstein, V. F. Stelianov. *Mol. biol.* 1 no. 1 52-58 Ja-Jr '67.

ENZYMES—MATHEMATICAL MODELS

Model study of trigger systems and differentiation process. I. N. Guregov, M. S. Polukova, D. S. Chernavskii. *Mol. biol.* 1 no. 3 110-118 M-Je '67.

EPIDEMIC ENCEPHALITIS see Encephalitis, Epidemic

EPIDEMICS—PREVENTION

Evaluation of the effectiveness of antiepidemic and prophylactic measures. A. G. Khramutdinov, G. I. Gidze, Zhur. mikrobiol., epid. i immun. 44 no. 6 139-141 Je '67.

EPIDEMIOLOGICAL RESEARCH

Selection of methodology for the epidemiological experiment as the basis for obtaining reliable results, concerning D. L. Zhitoberskiy's article. S. S. Spolnenko. *Zhur. mikrobiol., epid. i immun.* 44 no. 5 131-137 M-Je '67.

Some results and aspects of the study of epidemiology of malignant neoplasms in the U. S. S. R. A. V. Chafin. *Vest. AMN SSR* 22 no. 5 13-20 '67.

Use of the coeligenicity test of enteropathogenic *Escherichia coli* in the epidemiological analysis of diseases caused by them. L. D. Stepanovskaya, G. I. Olshnik, N. V. Davydova, Zhur. mikrobiol., epid. i immun. 44 no. 6 13-16 Je '67.

EPIDEMIOLOGY

Antiepidemic and prophylactic measures in the U. S. S. R. during 50 years. Report No. 3; The Great Patriotic War, 1939-1945. L. I. Rogozin, Z. I. Dubnitskaya, Zhur. mikrobiol., epid. i immun. 44 no. 1 3-9 Ap '67.

Epidemiological effectiveness of vaccination against influenza during the 1965 epidemics. G. M. Gladkikh, Zhur. mikrobiol., epid. i immun. 44 no. 4 39-43 Ap '67.

Epidemiology of the Far East scarlatina-like fever. V. O. Ignatovich and others. *Voen.-med. zhur.* no. 5 41-46 M-Je '67.

Microbiological substantiation of the aqueous factor in the epidemiology of dysentery. I. E. Volokolonov, I. A. Siroko. *Voen.-med. zhur.* no. 5 39-42 M-Je '67.

Phage typing as a method of detecting epidemiological associations in diphtheria foci. N. A. Kravchenko and others. *Zhur. mikrobiol., epid. i immun.* 44 no. 6 80-84 Je '67.

Subject of epidemiology, nature of the epidemic process and "epidemiology" of noncommunicable diseases. D. B. Ivanov. *Zhur. mikrobiol., epid. i immun.* 44 no. 5 48-53 M-Je '67.

EPIDEMIOLOGY—CONGRESSES see subdivision under Amur Province; Kaliningrad Province

EPHOTE see subdivision under Sikhote-Alin' Range

EPILEPSY

Electroresistance of the skin in generalized and focal forms of epilepsy in children and adolescents. S. G. Zograbian, G. T. Muradian. *Zhur. eksp. i klin. med.* 7 no. 2 27-30 '67.

Neuronal organization of a focal epileptiform discharge. A. G. Sukhov. *Pl. iol. zhur.* 53 no. 5 520-525 M-Je '67.

EPITHELIUM

Morphological and histochemical characteristics of the tegmental epithelium of the pharynx in ontogeny and experiment. I. U. P. Seichenko. *Ank. anat., gist. i embriol.* 52 no. 5 31-35 M-Je '67.

Regeneration of intestinal epithelium in culture in the body using F. M. Lazarenko's method. A. A. Poliakov. *Ank. anat., gist. i embriol.* 52 no. 5 80-82 M-Je '67.

EPITHETS

The metaphorical epithet from the poetics of folklore. V. E. Ficmina. *Izv. AN SSSR Ser. lit. i jaz.* 26 no. 2 111-152 M-Ap '67.

EPOXY COMPOUNDS

O-nitration of primary and secondary unsaturated and α -epoxy alcohols. L. T. Fomenko, A. M. Korolev. *Izv. AN SSSR, Ser. khim.* no. 5 1112-1114 M-Je '67.

Technical consultation. *Rech. transp.* 26 no. 4 50 '67.

Wear of epoxy compounds by a jet of abrasives. S. I. Orbelin, S. B. Ratner. *Plast. massy* no. 5 35-38 '67.

EPOXY COMPOUNDS, EFFECT OF RADIATION ON

Effect of γ -radiation on epoxy and epoxy-oligoether compounds. S. I. Orbelchenko and others. *Khim. prom. Ukr.* no. 3 1-1 M-Je '67.

EPOXY RESINS

Electrical and moisture characteristics of epoxy compounds with fillers. I. D. Ponomarenko. *Trudy LPI* no. 276 30-44 '67.

Electrical characteristics of paper epoxy resin insulation. A. V. Gavrilov, M. Z. Gel'man, B. M. Riebov. *Trudy LPI* no. 276 124-129 '67.

Epoxi-ayran resins. E. V. Chichenko. *Khim. prom. Ukr.* no. 3 19-20 M-Jr '67.

[Recent developments in the synthesis, curing, and studies of epoxide resins] *Itogoe v oblasti sinteza, otvezhdeniya i issledovaniya epoksidnykh smol; sbornik statei*. Leningrad, 1967. 56 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt Seriya. Plastmassy i ikh primeneniye v promyshlennosti)

Study of saturating epoxy resins used in the manufacture of condensers by the "Tesh" Company in Czechoslovakia. V. S. Kuz'mina and others. *Trudy LPI* no. 276. 162-168 '67.

Studying compounds made from epoxy resins for the protection of metal in hydrotic solutions against corrosion. A. S. Kobets. *Mos. por. nauch. trudy* no. 2 89-91 '66.

EQUATIONS, TRANSCENDENTAL

Solution of nonlinear algebraic and transcendental equations in the complex domain. I. S. Kats, M. U. Moiseyev. *Zhur. vych. mat. i mat. fiz.* 7 no. 1 651-661 M-Je '67.

EQUILIBRIUM (PHYSIOLOGY)

Influence of vestibular stimulation on the certain functions of the human organism. Report 3 Vestibular reactions of people in a helium-oxygen environment. V. E. Kopanov. *Nov. issl. v ped. nauk.* no. 4 227-232 '65.

EQUILIBRIUM OF FLEXIBLE SURFACES

Applied problems affecting the bending of developable surfaces. I. G. Kardahevskaya. *Prikl. geom. i inzh. graf.* no. 3 96-103 '65.

EQUINE ENCEPHALOMYELITIS see Encephalomyelitis

ERBIUM ISOTOPES

System of collective levels of $^{164}\text{Er}^{3+}$ type in the Er^{163} nucleus. I. A. Vozel and others. *Izv. AN SSSR Ser. fiz.* 31 no. 4 604-625 Ap '67.

The cerium-particle levels in Er^{163} . V. Gnatovich and others. *Izv. AN SSSR Ser. fiz.* 31 no. 4 587-595 Ap '67.

ERBIUM NITRATE

Paramagnetic resonance of erbium nitrate. B. G. Beutova, T. I. Sanadze. *Trudy Tbil. GU* no. 103 183-185 '65.

ERIVAN—CLOCKMAKING AND WATCHMAKING

Made in Armenia. *Prom. Arm.* 10 no. 1 59 '67.

ERIVAN—DIPHTHERIA

Correlation between morbidity, bacterial carriage and active immunization against diphtheria in Erivan during 1956-1966. V. S. Saakian. *Zhur. eksp. i klin. med.* 7 no. 1 91-93 '67.

ERIVAN—ELECTRIC LAMPS

Introduction of innovations in industrial production. R. Vartapetian, V. Linnikov. *Prom. Arm.* 10 no. 4 71-72 '67.

ERIVAN—PLASTICS PLANTS

New developments at the Poliplast Plant. L. Tavrizian. *Prom. Arm.* 10 no. 1 61 '67.

ERIVAN—SHOE INDUSTRY

Goals of shoe manufacturers. *Kozh.-obuv. prom.* 9 no. 4 5 Ap '67.

ERMINE MOTIS see subdivision under Azerbaijan

ERMINE MOTHS—EXTERMINATION

Evaluating the effectiveness of bacterial preparations combined with sevin against the apple ermine moth *Hyponomeuta malinellus* and the hawthorn leaf roller *Cacoecia caryaegana*. V. M. Kuznetsov. *Zashch. rast. i fr.*

El
K

El

E

E

E

E

E

ESOPHAGUS, EPIDERMIS

Treatment of patients with foreign bodies in the esophagus. G. M. Forimov. *Azerb. med. zhur.* 14 no. 156-61 Ja '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

Pathomorphological changes in the large intestine of the brown rat in colitis tetralosis. V. Perminov. *Vest. Azerb. med. zhur.* 10 no. 270-74 Fe '67.

Use of the colicogenicity test of enteropathogenic *Escherichia coli* in the pathomorphological analysis of diseases caused by them. I. D. Stepanovskaya, G. I. Glinka, N. V. Davydova. *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 43-46 Je '67.

ESOPHAGUS—FOREIGN BODIES

Treatment of patients with foreign bodies in the esophagus. G. M. Forimov. *Azerb. med. zhur.* 14 no. 156-61 Ja '67.

ESSENCE AND ESSENTIAL OILS

(see also subdivision under Kalluga)

Essential oils of some essential oil materials. V. A. Shikhanova, P. Shikhanov. *Mosk. khim. prom.* 33 no. 4, 24-24 Ap '67.

ESTERIFICATION

Esterification of carboxylic acids. G. S. Lyubskaya, A. I. Lyubskaya. *Zhur. obshch. khim.* 37 no. 4, 903-907 Ap '67.

Esterification of carboxylic acid by ethyl alcohol on the catalyst of sodium acetate. A. S. Sultanov, and others. *Dokl. Akad. Nauk SSSR* 213 no. 7, 16-18 Fe '66.

Reaction of fatty acid chlorides with alcohols and esterification of the series of monoacylchlorides and their derivatives. A. S. Sultanov, and others. *Izv. AN SSSR Ser. Khim.* 1966, 480-484 Ap '67.

Synthesis of esterification catalysts of acetic acid. M. A. Legina, A. F. Golov, B. I. Pantukh. *Khim. prom.* 42 no. 9, 34-37 S '66.

Synthesis of phenol esters by esterification in the presence of water. A. A. V. Khamurov, V. I. Latyshev, A. V. Shikhanov. *Zhur. prikl. khim.* 40 no. 1, 643-647 Fe '67.

ESTERS

Esterification of diesters of higher unsaturated dicarboxylic acids. M. A. Froshin, and others. *Khim. prom.* 42 no. 11, 4-8 S '66.

Significance of determining the cholesterol esterification content in the evaluation of the severity of Bolkov's disease. G. F. Belov. *Voprosy khim.* 13 no. 3, 276-278 Ma-Je '67.

ESTONIA

[The Estonian S.S.R.: a handbook] *Estonskaia SSR: spravochnik*. Tallinn, Eesti Raamat, 1967. 174 p.

ESTONIA—BAPTISTS—CLERGY
The Catholic Church of the Estonian Baptist Church, Presbyter of the Estonian Baptist Church (Estonia). Herman Macmurtrei. *Relig. vest.* no. 1, 1-5 Fe '67.

ESTONIA—COMMUNIST EDUCATION
To be specific means to be convincing. P. Kardashev. *Voprosy* 35 no. 10, 3-41 Ma '67.

ESTONIA—FARM MANAGEMENT
Analysis of the structure of the working time of brigade leaders and managers. H. Repp, M. Pamm. *Ekon. teoret.* 42 no. 5, 91-101 Fe '67.

ESTONIA—LIMING OF SOILS
Liming acid soils in Estonia. I. F. Rusinov. *Gidromet.* 19 no. 4, 76-80 Ap '67.

ESTONIA—MECHANICAL ENGINEERING—TECHNOLOGICAL INNOVATIONS
Innovation in "mechanical engineering". V. Begishev. *Izvestiya* no. 3, 6-7 Fe '67.

ESTONIA—MERCHANT SEAMEN
Second life of a veteran of the fleet. *Mor. flot* 27 no. 5, 40 Ma '67.

ESTONIA—OIL SHALES—TESTING
Investigating physicochemical properties of rocks in oil shale seams of the Estonian deposit. I. M. Mironik, F. A. Reinson. *Zap. LGI* 52 no. 1, 104-108 '66.

ESTONIA—THERAPEUTICS, PHYSIOLOGICAL—CONGRESSES
7th Estonian Republic Conference of Health Resort Therapy and Physiotherapy. L. Veinpuu. *Voprosy fizioter. i lech. fiz. kul't.* 32 no. 2, 187-188 Ma-Apr '67.

ETHANE

Reactivity of 1-nitro-2-nitrosoethylfluorocethane. Part 3. Reaction of butadiene. A. V. Tokan, A. T. Uzun, O. V. Dement'eva. *Zhur. obshch. khim.* 37 no. 4, 831-834 Ap '67.

Reactivity of 1-nitro-2-nitrosoethylfluorocethane. Part 4. Reaction with heptafluorobutadiene. A. V. Tokan, A. T. Uzun, O. V. Dement'eva. *Zhur. obshch. khim.* 37 no. 4, 834-836 Ap '67.

ETHANOL

Purity of composition and pressure on the liquid-vapor equilibrium in the system water-ethanol-acetaldehyde. S. F. Khachatryan, V. M. Perelygin. *Izv. vuzov, zav. i inst. i khim. tekhn.* 10 no. 2, 155-158 '67.

Scouring metallic articles with triethanolamine. A. N. Riabinin. *Blud. tekhn., ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 20 no. 5, 9-10 Ma '67.

Study of the corrosive characteristics of solutions of monoethanolamine. M. M. Lyukovich and others. *Khim. prom.* 42 no. 11, 32-35 N '66.

Studying the reaction of pyridine with ethanol and diethyl ether under increased pressure. V. N. Gud'ko, A. D. Dar'ko, S. A. Trifonova. *Trudy BKNII* no. 20, 13-16 '66.

ETHERS

Preparation of bis (4,4'-dichlorodifluoromethyl) ether. V. I. Timinov, S. V. Sokolov. *Zhur. obshch. khim.* 37 no. 5, 11-12 Ap '67.

ETHICS

Correlation between the class and common to mankind characteristics of morality. F. I. Borodikhina. *Sobremenn. Vses. nauch. polit. i inst. no. 10, 100-101 Fe '66.*

The purpose of life, happiness, and morality. G. K. Gummitskaya. *Voprosy filoz.* 21 no. 5, 102-105 '67.

ETHNOLOGY

(see also subdivision under Azerbaijan)

Belanovskaya, T. D. [History of primitive society and the basic principles of ethnography] *Istor. i etnogr. gos. obshchestva i osnovy etnografii* [History and basic principles of ethnography]. Leningr. univ. (V pomoshch' studentam i uch. i nauch. i zaochnykh vuzov) no. 2, 1967. 55 p.

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHYL ALCOHOL

Combined control of thermal conditions of the reaction of the synthesis of ethyl alcohol. M. I. Muratov and others. *Za tekhn. prog.* 7 no. 1, 1-1 Ap '67.

Hydroforming of synthetic ethyl alcohol by a moving catalyst and ethyl alcohol compound. I. I. Bakhtin and others. *Neftekhimika* 7 no. 2, 12-17 Ma-Apr '67.

Equilibrium-vapor equilibrium of the system ethyl alcohol-water in the region of small water content. V. N. Vostrikova and others. *Zhur. prikl. khim.* 40 no. 3, 683-686 Ma '67.

Synthesis of ethyl acetate by direct oxidation of ethyl alcohol. G. P. Zerkov and others. *Neftekhimika* 7 no. 2, 260-263 Ma-Apr '67.

Synthesis of ethyl acetate by direct oxidation of ethyl alcohol. *Neftekhimika* 7 no. 2, 260-263 Ma-Apr '67.

ETHYL ALCOHOL—THERMAL PROPERTIES
Critical thermal values in boiling ethyl alcohol for various rates between 150 and 175 m/sec. V. I. Adamovskii, I. N. Svirskaya, L. S. Sitokolov. *PMI* no. 2, 13-16 Ma-Apr '67.

ETHYL ETHER
Studying the reaction of pyridine with ethanol and diethyl ether under increased pressure. V. N. Gud'ko, A. D. Dar'ko, S. A. Trifonova. *Trudy BKNII* no. 20, 13-16 '66.

ETHYL SILICATES
Studying the process and developing a technique for preparation of ethyl silicate suspensions without solvents. A. A. Semenovskaya, M. P. Alekseyev. *Izv. vuzov, zav. i inst. i khim. tekhn.* 10 no. 2, 13-16 Ma-Apr '67.

ETHYLENE
Bimetallic derivatives of ethylene. A. N. Nemolovskiy, A. F. Borisov, V. N. Shikhanov. *Izv. vuzov, zav. i inst. i khim. tekhn.* 10 no. 2, 13-16 Ma-Apr '67.

Catalytic hydrocondensation of carbon monoxide with ethylene and their hydrocondensation under the action of carbon monoxide and hydrogen. Report No. 15. Part 1 of ethylene hydrocondensation. A. I. Shikhanov and others. *Izv. AN SSSR Ser. Khim.* no. 5, 1016-1017 Ma '67.

Disubstituted organometallic derivatives of ethylene. A. N. Nemolovskiy, A. F. Borisov. *Dokl. AN SSSR* 170 no. 1, 106-109 Ma '67.

Equilibrium-vapor equilibrium in the system ethylene-chloride. I. I. Duntov, V. S. Zerkov, S. G. Shikhanov. *Zhur. prikl. khim.* 40 no. 3, 599-603 Ma '67.

Photolysis of hydrogen sulfide. Effect of ethylene and diethyl ether. B. G. Dmitriev, A. V. Shikhanov. *Khim. vuzov, zav. i inst. i khim. tekhn.* 10 no. 2, 13-16 Ma-Apr '67.

Pyrolysis of liquid hydrocarbons to ethylene and diethyl ether using gaseous heat carrier under pressure. A. A. Anisimov and others. *Neftekhimika* 7 no. 2, 13-16 Ma-Apr '67.

Removing impurities from ethylene using ammonia. A. A. Tikhonov, E. A. Kravtsova, I. A. Belanovskaya. *Neftekhimika* 7 no. 2, 13-16 Ma-Apr '67.

ETHYLENE—THERAPEUTIC USE
Use of triene in surgery. A. K. Rovina, Klin. khim. no. 3, 53-56 Ma '67.

ETHYLENE, EFFECT OF RADIATION ON
Study of radicals in irradiated polyethylene in connection with the mechanism of radiation-induced polymerization of ethylene. G. N. Gerasimov, P. M. Khachatryan, A. D. Abkin. *Vysokom. nauch. Ser. A* 9 no. 4, 177-182 Ap '67.

ETHYLENE COMPOUNDS
Reaction of organolithium compounds with p-(p'-biphenyl)-o,o'-difluoro-o-ethylacetylene. I. M. P. Rybakova, K. A. Kochetkov. *Zhur. obshch. khim.* 37 no. 4, 936-938 Ap '67.

2337

2338

FEEDWATER

Optimal temperature of regenerative air reheating of the feedwater of large turbines with a turboelectric, D. M. Podolskiy, B. B. Kuznetsov, M. I. Motovilov, Teploenergetika 11 no. 5 32-36 My '67.

FEEDWATER PURIFICATION

High rate treatment of the feedwater of medium-pressure boilers, N. N. Man'kina and others, Elektr. st. 30 no. 5 70-72 My '67.

Methods for preventing corrosion and scale formation using hydroxide, N. N. Man'kina, V. S. Ivanova, Teploenergetika 11 no. 5 70-72 My '67.

Study and experience in the operation of vacuum deaerators in hot water supply systems of thermal electric power plants, I. V. Vasilev, V. I. Shorokhov, Teploenergetika 11 no. 2 27-32 My '67.

FELIXPAR see subdivision under Stanovoy Range

FEMUR—AGING

Test of the physiological properties of the osseous tissue of the proximal end of the femur in elderly and senile persons, I. E. P. Podolskiy, Izv. Akad. Nauk SSSR, 19 no. 3 163-175 My-Je '67.

FEMUR—SURGERY

They are no longer disabled, M. Polotevova, Sots. chesep. 42 no. 5 31-35 My '67.

FEMUR—TUBERCULOSIS

They are no longer disabled, M. Polotevova, Sots. chesep. 42 no. 5 31-35 My '67.

FERGANA—PETROLEUM REFINERIES—MANAGEMENT

Difficult occupation, B. Bazarov, Ekonom. zhurnal 9 no. 1 33-35 Ap '67.

FERGANA PROVINCE—LEACHING

Ineffectiveness of soil leaching combined with other chemical measures, T. Kaimov, Gidromet. 19 no. 5 60-63 My '67.

FERGANA VALLEY—ANTIQUITIES

Some recently discovered monuments from the northern Fergana Valley, M. G. Chulakov, Sov. arkh. no. 2 245-270 '67.

FERMIUM ISOTOPES

Synthesis of fermium isotopes with mass numbers 247 and 246, G. N. Plekhanov and others, Atomenerg. 22 no. 5 312-346 My '67.

FERN see subdivision under Moscow Province

FERRITES (MAGNETIC MATERIALS)

Experience in obtaining ferrite powders by the method of simultaneous settling, I. V. Granovskiy and others, Poroshki i met. 7 no. 5 16-22 My '67.

Studying exchange interactions in lithium ferrites-aluminates, V. N. Gorina, N. V. Volkova, Vest. Mosk. un. Ser. 3 Fiz., astr. 22 no. 2 75-80 My-Apr '67.

Temperature dependence of the first constant of the magnetic anisotropy of spinel-structured ferrite single crystals as a function of saturation magnetization, A. I. Brokin, Dokl. AN SSSR 171 no. 1 64-65 My '67.

Theoretical and experimental study of the rotation of the plane of polarization in a circular wave guide with a ferrite rod, V. P. Modenov, A. I. Obraztsov, I. M. Plotnikova, Vest. Mosk. un. Ser. 3 Fiz., astr. 22 no. 2 16-21 My '67.

FERRITES (MAGNETIC MATERIALS)—ELECTRIC PROPERTIES

Electric properties of polycrystalline ferrites in the range of audio frequencies and infra-low frequencies, V. D. Stashuk, Izv. vys. uch. zav., fiz. no. 1 135-138 My '67.

FERRITES (MAGNETIC MATERIALS)—THERMAL PROPERTIES

Dependence of the electric resistance of manganese-zinc ferrites on the temperature, V. I. Suchkov, I. K. Shelepugin, Izv. vys. uch. zav., fiz. no. 4 151-153 My '67.

Study of some thermal and magnetic properties of ferrites in the system $NiFe_2O_4 - ZnFe_2O_4$, V. S. Varazashvili, G. D. Chachanidze, T. A. Pavlenishvili, Soob. AN Gruz. SSR 46 no. 2 341-346 My '67.

FERRITES (MAGNETIC MATERIALS)—THERMODYNAMICS

Study of the thermodynamic properties of magnesium ferrite by means of EMT with solid electrolyte, V. S. Gurel, V. I. Lavrent'ev, T. I. Bulgakova, Izv. AN SSSR Neorg. mat. 3 no. 5 860-866 My '67.

Thermodynamic properties of magnesium ferrite ochromites, A. S. Gurel and others, Izv. AN SSSR Neorg. mat. 3 no. 5 909-912 My '67.

FERROCENE

Protodemercuration of heterocyclic mercury derivatives of haloferrrocenes, V. N. Nesmelanov and others, Izv. AN SSSR, Ser. khim. no. 5 1130-1110 My '67.

FERROCENE—SPECTRA

Additional band in the infrared spectra of carbonyl-containing ferrocenes, S. P. Gubin, K. I. Grunberg, L. P. Shchepilo, Izv. AN SSSR Ser. khim. no. 5 1149-1151 My '67.

FERROCENECARBOXYLIC ACID

Integral intensities of carbonyl bands in the infrared spectra of heteroannular substituted esters of ferrocenecarboxylic acid, G. G. Davanitsa and others, Izv. AN SSSR Ser. khim. no. 4 943-947 Ap '67.

FERROELECTRICITY

The DF-1 ferroelectric defectoscope for testing pipe quality, P. K. Ostchepov and others, Defektoskopia no. 2 30-35 My '67.

Some problems in the theory of the hysteresis loop and the ferroelectric current loop, M. A. Mel'gun, Dokl. AN SSSR 11 no. 4 314-318 Ap '67.

Temperature dependence of the sensitivity of a ferroresonance with longitudinal excitation, P. I. Stoinitskaya, D. A. Shul'kin, Defektoskopia no. 2 35-39 My '67.

Use of the emanation method for refining of the phase diagram of the system $Na_2B_4O_7 - Na_3PO_4$, M. I. Levina, K. B. Zubovskiy, A. V. Volodina, Vest. Mosk. un. Ser. 3 Khim. 22 no. 2 116-113 My-Apr '67.

FERROMAGNETIC RESONANCE

Resonance curves of two-circuit ferromagnetic circuits, G. N. Rakhimov, Kh. Sharipov, K. Sh. Latipov, Izv. AN Uz. SSR, Ser. fiz. nauk 10 no. 5 3-9 My '67.

Subharmonic oscillations in thin Permalloy films, S. K. Dament'ev and others, Izv. AN SSSR, Ser. fiz. 31 no. 5 747-749 My '67.

FERROMAGNETISM

Method of selective measurement of geometrical dimensions and magnetic properties of a ferromagnetic cylinder magnetized by a constant field of line current, N. N. Zaitseva, Defektoskopia no. 2 49-55 My '67.

FERROSILICON—ELECTROMETALLURGY

Reduction of various quartzites for the production of 75% ferrosilicon, M. S. Khrushevskiy, M. A. Ryss, Teoriya i prakt. met. no. 7 177-188 My '67.

FERTILIZATION OF PLANTS

Characteristics of pollination of red clover and alfalfa, V. K. Rybnitskiy, Zool. zhur. 46 no. 4 531-539 Ap '67.

Effect of pollination method on seed production and quality of the field bean, V. I. Martynova, Biol. MOIP. Old. biol. 72 no. 2 83-92 My-Apr '67.

Generation of potentials in the pistils of Incarvillea and Hifia is related to the movement of stamens and pollination, A. M. Smirnov, P. I. Zhuravskiy, Fiziol. rast. 14 no. 3 463-476 My-Je '67.

Pollination of broad bean by bees, T. A. Antsiferova, G. S. Godeev, Uch. zap. Mord. gos. un. no. 51 53-63 My '67.

Problems of selective fertilization in plants, O. K. Minina, Genetika no. 5 138-161 My '67.

Utilization of bees for producing vegetable seed, N. D. Shchepilova, Uch. zap. Mord. gos. un. no. 51 121-130 My '67.

Wild solitary bees the pollinators of alfalfa, T. A. Antsiferova, Uch. zap. Mord. gos. un. no. 51 96-103 My '67.

FERTILIZER SPREADERS

Feasible design of a spreader, Z. Kozak, Tekhn. sel'khoz. 27 no. 6 15-18 My '67.

Mechanization of the preparation and the placement of organic fertilizers in soil, A. B. Dubov, V. A. Kizhik, Trudy ISNIIMLSKII 1 158-167 My '67.

Placement of fertilizers by the KIP-1.1 mover, A. Kolesov, Tekhn. sel'khoz. 27 no. 6 88 My '67.

Spreading fertilizers from piles, G. P. Varlamov, Trakt. i sel'khoz. mash. no. 5 45-46 My '67.

Study and justification of the working parts of combined machines for the placement of mineral fertilizers in soil, L. I. Zinkevich, Trudy ISNIIMLSKII 3 21-29 My '67.

Testing the "Penton" pendulum spreader, V. I. Veksandrov, S. N. Nikulin, Trakt. i sel'khoz. mash. no. 5 43-45 My '67.

FERTILIZERS AND MANURES

Advantages of fertilizers, A. Panasenko, Zemledel. 29 no. 5 61 My '67.

Dissolving speed of some mineral fertilizers, L. A. Pencheva, B. A. Kopylov, M. F. Pozin, Izv. vys. uch. zav., Khim. i khim. tekhn. 10 no. 3 319-323 My '67.

Effect of conditioned supplements on the physical properties and effectiveness of "nitroammophoska", N. V. Babenko, M. M. Chernobayeva, Khim. v sel'khoz. 5 no. 6 14-15 Je '67.

Effect of the evenness of the distribution of fertilizers on the yield of farm crops, N. G. Ovchinnikova, Vest. sel'khoz. nauk 12 no. 5 130-132 My '67.

Mechanization of the loading of airplanes with fertilizers, Zemledel. 29 no. 5 34-35 My '67.

Use of nitrophosphates in deep Chernozems, V. I. Skotokhod, Khim. v sel'khoz. 5 no. 5 9-11 My '67.

FERTILIZERS AND MANURES—ANALYSIS

Methods for analyzing potassium fertilizers based on potentiometric titration in acidic solutions, T. F. Kreshkova, K. A. Komarova, V. I. Ivanenko, Khim. v sel'khoz. 5 no. 6 61-66 Je '67.

FERTILIZERS AND MANURES—EQUIPMENT AND SUPPLIES

Mechanization of the placement of mineral fertilizers, P. V. Polkov, D. Smirnov, Tekhn. sel'khoz. no. 1 14-17 My '67.

FERTILIZERS AND MANURES—HANDLING

Crushing caked fertilizers, A. Patsukov, V. Pavlov, K. Ognev, Tekhn. sel'khoz. 27 no. 5 85 My '67.

Removal of manure from poultry houses, A. Solov'ev, Tekhn. sel'khoz. no. 4 26-29 My '67.

FERTILIZERS AND MANURES—TESTING

The FN-3 OB conveyor in large stockpiles, P. Roshchin, Tekhn. sel'khoz. no. 4 31-33 My '67.

FERTILIZERS AND MANURES—TRANSPORTATION

Effectiveness of river transportation of mineral fertilizers, M. Kuz'min, N. Futurov, Rech. transp. 26 no. 3 32 My '67.

Transportation conditions for mineral fertilizers, A. Dyatlov, V. Zharov, S. Burdakov, Av. transp. 45 no. 5 28-29 My '67.

FETUS

Cholesterol content in the organism of cow and its fetus, G. V. Ponomareva, Nauch. dokl. vys. shkoly, biol. nauki 10 no. 1 59-60 My '67.

FETUS, DEATH OF

Case of intrauterine death of the fetus caused by umbilical hematoma, A. G. Guseinov, A. A. Abasov, Akad. dokl. zhur. 14 no. 3 61-63 My '67.

FEVER

(see also subdivision under Kamchatka)
Epidemiology of the Far East scarlatinalike fever, V. O. Ignatovich and others, Voen.-med. zhur. no. 5 12-16 My '67.

FIBER GLASS BOATS

SHRIMP-5.5 fiber glass motor boat, K. K. Maslachenkov, A. A. Predim, Sudostroyeniye 37 no. 2 81-82 My '67.

Vibration testing of a fiber glass hull, V. D. Popov, Sudostroyeniye 37 no. 2 12-15 My '67.

FIBER GLASS BOATS—TESTING

Luminescence testing of the rough holes in fiber glass boats, R. K. Englin, L. A. Malka, N. P. Kovalenko, Defektoskopia no. 2 69-72 My '67.

FIBERBOARD

Automatic measurement of the degree of the grinding of stock in continuous production line of fiberboards, R. M. Rembertovich, B. A. Fomishin, Dni prom. 16 no. 6 8-10 Je '67.

FIBRINOGEN

Determination of fibrinogen and fibrinolytic activity of the blood in cancer of the lungs, chronic nonspecific pneumonia and exudative pleurisy, G. V. Volontsova, Sov. med. 30 no. 5 11-17 My '67.

Fibrinolysis and fibrinogenolysis in hypertension, K. G. Urbanik, Vop. med. khim. 13 no. 3 283-286 My-Je '67.

FIBRINOLYSINS—PHYSIOLOGICAL EFFECT

Effect of fibrinolysin on the development of experimental cholesterol atherosclerosis in rabbits, O. V. Kippanov, kardiologiya 7 no. 3 118-119 My '67.

FIBRINOLYSINS—TOXICOLOGY

Pathological hemoglobin derivatives in fibrinolysin blood, M. S. Kushakovskiy, Probl. gemat. i perel. krovi 11 no. 5 54-57 My '67.

FIBRINOLYSIS

Determination of fibrinogen and fibrinolytic activity of the blood in cancer of the lungs, chronic nonspecific pneumonia and exudative pleurisy, G. V. Volontsova, Sov. med. 30 no. 5 14-17 My '67.

Fibrinolysis and fibrinogenolysis in hypertension, K. G. Urbanik, Vop. med. khim. 13 no. 3 283-286 My-Je '67.

FIBROBLASTS

Activity of alanine and aspartate aminotransferases in the culture of chick fibroblasts during the growing process and following infection with vaccine virus, A. T. P. Kulaev and others, Vop. med. khim. 13 no. 3 239-242 My-Je '67.

FIELD CROPS

(see also subdivision under Amur Province, Moldavia, Siberia)
Crops need good care, Agitator no. 12 40-42 Je '67.

FIELD EXPERIMENTS

- Experiments and production. A. Rocharov. *Zemledelie* 33 no. 5 50-51 May '67.
Experiments of agricultural experimental stations. *Trudy Vsesoyuznogo nauchno-issledovatel'skogo tsentra* 12 no. 5 5-6 May '67.
Experiments. F. N. Kobrov, M. D. Vionovskikh. *Zashch. rast.* 12 no. 5 5-6 May '67.

FIELD THEORY (PHYSICS)

- Field theory. L. D., and E. M. Lifshits. [Field theory] Teoriya polya. Izd. 5, 1961, 110 p. (Their Teoreticheskaya fizika, vol. 2) 450 p. (Their Teoreticheskaya fizika, vol. 2)
Field theory of nonstationary solutions to nonlinear equations. A. A. Sklyar. *Dokl. Akad. Nauk SSSR* 22 no. 2 107-112 May '67.

FIELDS, ALGEBRAIC

- Field theory problem for number fields. A. V. Ilyukov. *Dokl. Akad. Nauk SSSR* 31 no. 2 211-221 May '67.
Fields with a solvable theory. I. U. Lashov. *Dokl. Akad. Nauk SSSR* 174 no. 1 10-20 May '67.

- Fields algebras of finite groups over number fields. A. I. Saksonov. *Dokl. Akad. Nauk SSSR* 11 no. 1 302-305 May '67.

FILERS (CHEMICAL TECHNOLOGY)

- Chemical filters for polyacrylamide. I. A. Utkov, S. S. Peltshenko, V. P. Solov'ev. *Khim. prom. Ukr.* no. 3 13-15 May '67.

FILMING OF TELEVISION PROGRAMS see Television programs, Filming of

FILMS (CHEMISTRY)

- Changes in the infrared spectra in the ionization of polymers. S. N. Kolkov and others. *Trudy LPI* no. 276 32-38 May '67.
Laboratory methods for studying laws governing electrical aging of polymers in film dielectrics. S. N. Kolkov, M. P. Flamenkov, V. A. Ponomarev. *Trudy LPI* no. 276 78-83 May '67.
Study of the electrical characteristics of some heat-resistant synthetic films used in the manufacture of condensers. F. M. Koutenko. *Trudy LPI* no. 276 21-25 May '67.
Study of the role of discharges in the aging process of polymers in films in a constant electrical field. R. S. Barabarov and others. *Trudy LPI* no. 276 20-31 May '67.

FILMSTRIPS

- Microbranded use of slides. M. M. Shokurov. *Vest. radiofiz. obsch.* no. 12 33-35 May '66.

FILTER THEORY

- Dynamic errors of standard digital filters. N. I. A. Silko. *Prib. i sist. avtom.* no. 4 15-20 May '66.
Evaluation of the effect of the inaccuracy of a priori value of correlational characteristics of an input signal on the quality of filtration. O. M. Kuzkin. *Avtom. i teletel.* no. 5 43-50 May '67.
Interception of two harmonic oscillations in nonlinear narrow-band devices. V. M. Sidorov. *Elektronika* 21 no. 5 60-67 May '67.
Iterative method for determining an optimal nonlinear filter for a stationary random process. A. S. Kholov. *Izv. AN SSSR, Tekh. kib.* no. 2 168-173 May '67.
Method for the synthesis of a discrete automatic system taking into account physical realization of a digital filter. E. A. Kuz'min, N. I. A. Silko. *Prib. i sist. avtom.* no. 4 10-14 May '66.
Selection of clamping frequency in filtering processes in electronic digital computers using a sliding summation method. S. I. A. Vilenkin. *Avtom. i teletel.* no. 5 51-54 May '67.
Single-dimensional and two-dimensional filtration of spatial signals with correlated noises. K. P. Kirdashev. *Radiotekhnika i elektronika* 12 no. 6 1088-1090 May '67.

FILTERS AND FILTRATION

- Calculation of air supply to needle filters. V. M. Grigor'ev. *Trudy VODGFO* no. 13 143-158 May '66.
Determination of pressure drop by the thickness of the residue layer during centrifugal filtration. B. N. Tereshin. *Trudy VNIISP* no. 13 131-139 May '66.
Estimating hydraulic resistance of gauzed filters. V. S. Alekseev, A. G. Testa, G. I. Mel. *Izv. vuzov, Mekh.* 19 no. 5 107-112 May '67.
Exploitation of boreholes equipped with filters from porous ceramics. V. M. Gavrilko, N. D. Besonov. *Trudy VODGEO* no. 13 35-65 May '66.
Filter for the PF-1 attachment. I. A. Shevoplika. *Tekhn. i tekhn.* 27 no. 5 86 May '67.
Filtering aluminum alloys. A. V. Kurdumov, L. A. Alekseev. *Lit. protz.* no. 5 6-8 May '67.
Filtration of liquid through a layer of deformed textile materials. V. B. Klenov. *Izv. vuzov, Mekh.* 19 no. 5 126-130 May '67.
Laboratory and field studies of gravel filters for boreholes. V. M. Gavrilko, V. M. Bellakov. *Trudy VODGEO* no. 13 3-34 May '66.
Reduction of porosity and water permeability of block-type filters under the effect of their mechanical collapse. N. D. Besonov. *Trudy VODGEO* no. 13 160-197 May '66.

- Six-nest direct type apparatus for the filtration of solutions. B. P. Melnychenko, F. M. Matveyev. *Zh. tekhn. fiz.* 32 no. 2 86-88 May '67.

- Theory of joint filtration of immiscible fluids in the gravity field. T. A. Buevich. *Izv. AN SSSR, Mekh. i zh. d. gaza* no. 2 105-108 May '67.

- Using filters with the FF filtering material for hyperfine purification of gases (air). R. A. Burdakov, P. I. Basmanov. *Izv. vuzov, Mekh.* 19 no. 5 14-17 May '67.

FILTERS AND FILTRATION-CONGRESSES

- All-Union seminar on the physicochemical fundamentals of filtration. V. A. Zhuravkov, T. A. Malinovskaya. *Trudy VNIISP* 1 no. 1 138-140 May '67.

FINANCE

- (see also subdivision under Congo, Khushasa, India, Kazakhstan Territory, Leningrad)
Business accounting. P. Savchuk. *Nauch. dokl. vuzov, ekon. nauki* 10 no. 6 82-90 May '67.
Financial crisis of the prerevolutionary government in 1905-1906. B. V. Anan'ich. *Trudy LOI AN SSSR* no. 8 281-320 May '67.
Kulikov, A. G., V. P. Kamankin, and L. A. Bilin, eds. [Business accounting and material incentives in industry and construction] Khozlistvennyy raschet i material'noe stimulirovaniye (v promyshlennosti i stroitel'stve) Moskva, Mysl', 1967. 321 p.
The production development fund. I. Roitshteyn. *Den. i kred.* 24 no. 1 68-71 May '67.
Russia's financial situation on the eve of the October Revolution. A. P. Pogrebinskiy. *Voprosy* 12 no. 5 1-14 May '67.

FINANCE-STUDY AND TEACHING

- On the subject and method of a course in "Currency circulation and credit in socialist society." V. Zaidenavskiy. *Den. i kred.* 24 no. 5 25-32 May '67.

FINISHES AND FINISHING

- New finishing construction materials. V. Ilyukov. *Tekhn. i tekhn.* 27 no. 5 16-17 May '67.

FINLAND-AUTOMOBILE INDUSTRY

- In the automobile market of Finland. D. Dai chiev. *Vnesh. tovg.* 47 no. 5 10-11 May '67.

FINLAND-COMMERCE

- In the automobile market of Finland. D. Dai chiev. *Vnesh. tovg.* 47 no. 5 10-11 May '67.

FINLAND-SURVEYING

- Surveying and photogrammetry in Finland. G. P. Levchuk. *Izv. Prib. i sist. avtom.* no. 5 60-64 May '67.

FINLAND-WOMEN-EMPLOYMENT

- For the satisfaction of our demands. Rinkel Matvejeff. *Vsesoyuzn. rev. zh.* no. 2 24-25 May '67.

FIRE PREVENTION

- Fire hazards in welding and cutting. O. M. Volkov, A. V. Levin. *Svar. protz.* no. 3 43-44 May '67.

FIRE SPRINKLERS

- Russkaya (U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. [Instructions on designing sprinklers and drenchers] Ukazaniya po proektirovaniyu sprinklernykh i drenzhernykh ustroystv SN 75-66 Moskva, Stroizdat, 1967 15 p.

FIREBRICK

- (see also subdivision under Austria, Panteleymonovka, Ukraine; Zaporozh'ye)
First Ural Dima Brick Plant during the five-year plan. I. T. Gubko. *Ogneupory* 32 no. 4 3-4 May '67.
Highly resistant refractories for magnesium chlorinators and electrolyzers. N. N. Ustuzhanina, V. A. Ragozinov, S. P. Solov'ev. *Ogneupory* 32 no. 5 28-29 May '67.
Service of high-grog firebrick in blast furnace hearths. I. M. Golemin, A. V. Gorkh. *Teor. i prak. met.* no. 7 16-26 May '64.
Technology of producing ladle brick from semiacid clays. S. I. Shcheglov, V. A. Karasik, V. A. Sazhin. *Ogneupory* 32 no. 5 3-7 May '67.

FIREBRICK-TESTING

- Testing dimes bricks with an addition of titanium alumina slag in the lower structure of open-hearth furnaces. A. A. Bichurina and others. *Ogneupory* 32 no. 4 27-29 May '67.

FIRECLAY

- (see also subdivision under Chasov Yar region, Ukraine)

- Semiacid clays for the production of ladle brick. B. A. Gotfrid. *Ogneupory* 32 no. 4 22-26 May '67.

FIRECLAY-DRYING

- Investigating simultaneous grinding and drying of refractory clays in shaft mills. P. S. Potemkin. *Trudy Inst. ogneup.* no. 32 189-205 May '62.

FISH-DISEASES AND PESTS see subdivision under Siberia

FISH, CANNED

- Devices for mixing pepper into fish cans. V. Bolotov. *Ryb. khoz.* 13 no. 5 61 May '67.
Fish in cans. I. A. U. Lokshin and others. *Ryb. khoz.* 13 no. 1 51-53 May '67.
Use of lacquered chrome-plated tin in canning fish. V. L. A. Valter. *Ryb. khoz.* 13 no. 1 37-58 May '67.

FISH, SMOKED

- Automatic generation of smoke by smoke generator YSL. I. M. Marshak, M. V. Popov. *Trudy VNIRO* 50 116-157 May '66.
Main parameters of the automation of fish processing by smoking. I. M. Marshak, M. V. Popov. *Trudy VNIRO* 50 107-149 May '66.
Some characteristics of smoking sardine. V. P. Skachkov. *Ryb. khoz.* 13 no. 5 57-58 May '67.

FISH AS CARRIERS OF DISEASE

- Effect of some physicochemical factors on the survival of encapsulated pleococcidia (Diphylobotrium sp. -cies) N. M. Ponomarev. *Med. parazit. i parazit. bol.* 36 no. 2 154-158 May '67.

FISH CULTURE

- (see also subdivision under Moldavia, Siberia, Western, White Russia)
First results and future objectives in organizing fish breeding in the Western R.S.F.S.R. V. S. Kupchukov. *Izv. GosNIORKH* 61 113-153 May '66.
Karpagin, D. P., and A. P. Ivanov. [Fish culture; a textbook for technical schools] Rybnovodstvo; uchebnik dlya tekhnicheskikh shkoly. Moskva, Pishchevaya promyshl., 1967. 370 p.
Obtaining larvae of commercial fishes from hatcheries. A. G. Komradt, A. M. Sakharov. *Izv. GosNIORKH* 61 193-207 May '66.
Role of Rana ridibunda Pall. in spawning grounds. V. V. Shcheglov. *Ryb. khoz.* 13 no. 3 80-82 May '67.
Temperature balance in Hypophthalmichthys egg incubation. G. Tolchinskii. *Ryb. khoz.* 13 no. 1 15-16 May '67.
Use ponds efficiently! A. Nevelev. *Agitator* no. 12 37-39 May '61.

FISH PROCESSING PLANTS see subdivision under Caspian Sea region, Soviet Far East

FISH PROCESSING PLANTS-EQUIPMENT AND SUPPLIES

- Determining the position of flounder on a solid surface with the help of photoelectric system. V. G. Karlov. *Trudy VNIRO* 50 177-181 May '66.
Improvement of roller refrigerator. S. I. A. Mekenskiy. *Ryb. khoz.* 13 no. 1 59-62 May '67.
Main parameters of the automation of fish processing by smoking. I. M. Marshak, M. V. Popov. *Trudy VNIRO* 50 107-149 May '66.
Methods of determining the mechanization and automation level in production processes of the fishing industry. A. V. Terent'ev, I. M. Marshak, V. P. Trofimov. *Trudy VNIRO* 50 105-188 May '66.
Resistance in cutting fish at various temperatures. V. G. P. oselkov. *Ryb. khoz.* 13 no. 5 57-58 May '67.

FISH PROCESSING PLANTS-MANAGEMENT

- New planning and economic incentives in fish processing plants. I. P. Mal'tsev. *Ryb. khoz.* 43 no. 4 63-65 May '67.

FISHERIES

- (see also subdivision under Odhotsk, Sea of) Brief news. *Ryb. khoz.* 13 no. 1 87-88 May '67.
A holiday of Soviet fishermen, an article dedicated to the Day of Fishermen. *Agitator* 35 no. 11 33-35 May '67.
Winners of the All-Union Socialist Competition quarter of 1966. *Ryb. khoz.* 43 no. 1 2-3 May '67.

FISHERIES-ACCOMMODATION

- Improving bookshelves. A. G. Ig.

FISHERIES-BIBLIOGRAPHY

- Fisheries.

FISHERIES-COOPERATION

- Methodological of Lake and R. biol. zh. 3

FISHERIES-COOPERATION

- Calculating the V. Artemova.

FISHERIES-EC

- Caspian Sea;

FISHERIES-MANAGEMENT

- Planning and economic organization 43 no. 4 73-7

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

FOOD INDUSTRY—EQUIPMENT AND SUPPLIES
... ..
... ..

FOOD INDUSTRY—MANAGEMENT see subdivision under
Kazakhstan, Kurgan Oblast, Omsk, Uzhgorod,
White Russia

FOOD INDUSTRY—STATISTICS
(see also subdivision under Kazakhstan)
... ..
... ..

FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS
... ..
... ..

FOOD MACHINERY
... ..
... ..

FOOD SERVICE
... ..
... ..

FOOT-AND-MOUTH DISEASE—PREVENTIVE INOCULATION
... ..
... ..

FORAMENIFERA see subdivision under Kamchatka
region, Kurile Islands region, Pacific Ocean

FORAMENIFERA, FOSSIL
(see also subdivision under Barents Sea, Uzbekistan)
... ..
... ..

FORCE AND ENERGY
... ..
... ..

FORD, HENRY, 1863-1947
... ..
... ..

FOREARM
... ..
... ..

FOREIGN EXCHANGE
(see also subdivision under France)
... ..
... ..

FOREIGN EXCHANGE—HANDBOOKS, MANUALS, ETC.
... ..
... ..

FOREIGN EXCHANGE PROBLEM
... ..
... ..

FOREST FAUNA
... ..
... ..

FOREST INFLUENCES
... ..
... ..

FOREST INSECTS
... ..
... ..

FOREST MACHINERY
... ..
... ..

FOREST PRODUCTS see subdivision under Carpathian
Mountain region

FOREST SOILS
(see also subdivision under Carpathian Mountains,
Central Chernozem region, Chernomosh Valley,
Prut Valley)
... ..
... ..

FOREST SURVEYS
... ..
... ..

FORESTS AND FORESTRY
(see also subdivision under Caucasus, Polynya, Volyn,
Western, Volyn' Province, White Russia)
... ..
... ..

FORESTS AND FORESTRY—FINANCE
... ..
... ..

FORGE SHOPS—EQUIPMENT AND SUPPLIES
... ..
... ..

FORGE SHOPS—MANAGEMENT
... ..
... ..

FORGE SHOPS—QUALITY CONTROL
... ..
... ..

FORGING
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

FRANCE—REVOLUTIONARY SONGS

Antennary of a song. V. S. Zolotarev. *Uch. zap. GGPiIA* no. 27:141-145 '66.

FRANCE—REVOLUTIONS

Uch. zap. GGPiIA no. 27:141-145 '66.

FRANCE—STANDARDIZATION

[France survey] Frantsiya: obzor Moskva, 1966. 13 p. (Standartizatsiya i a. rub. zhurn.)

FRANCE—TELEVISION IN EDUCATION

TV in education. V. D. M. S. Radio i tele. 16 no. 5:14-15 '66.

FRANCE—TRADE UNIONS

Uch. zap. GGPiIA no. 27:141-145 '66.

FRANKO, IVAN, 1856-1916

Koltsnyk, P. I. [Ivan Franko, a biographical sketch] Ivan Franko, biografični narys. Kyiv, Dnipro, 1966. 69 p.

Moroz, O. N. [Ivan Franko, a seminar] Ivan Franko, seminar. Kyiv, Rad shkola, 1966. 367 p.

FRAUD

The effect of evidence in the trial of cases concerning the statement of achieved results. G. S. Orlov. *Trud.* 12 no. 53-54 '65.

FREE WILL AND DETERMINISM

Metaphysical interpretation of the problem of freedom and necessity in the modern bourgeois philosophy. G. D. Chumachenko. *Uch. zap. GGPiIA* no. 28:27-37 '66.

FREEZING POINTS

Determination of the freezing of a plate. P. P. Dushko, R. G. Gants. *Uch. zap. zhurn.* 12 no. 4:160-164 '67.

Freezing points of aqueous solutions of acetone, methyl alcohol, and 2-methylpropanol. G. N. Babitskiy and others. *Zhur. prikl. khim.* 10 no. 3:610-613 '67.

FREIGHT AND FREIGHTAGE

(see also subdivision under Europe, Eastern, Kazakhstan)

Regulations on the railroad transportation of perishable goods. I. Rubtsov. *Sov. ust.* 31 no. 9:21-22 '65.

Selecting efficient organizational forms for mass transportation of small consignments. A. I. Vorobey. *Nauk. i tekhn. i gos. khoz.* no. 5:71-75 '66.

Technical and economic information. *Mor. flot.* 27 no. 4:30-31 '67.

Technical and economic information. *Mor. flot.* 27 no. 5:34-35 '67.

FREIGHTERS

Baranovskii, M. E. [Bulk carriers] Suda dlia perevozki navalochnykh gruzov. Leningrad, Sudostroenie, 1967. 255 p.

Performance of cargo motor ships of the design no. 576 on the Volga-Baltic Sea waterway. E. Bogatov. *Rech. transp.* 26 no. 4:47 '67.

Speed, maneuverability, and seaworthiness of the "Vitegralet" type timber carriers. V. A. Melskevich, V. N. Mitonov. *Sudostroenie* 57 no. 3:3-9 '67.

FRENCH LANGUAGE—FOREIGN ELEMENTS, LATIN

Stylistic usage of Latinisms in the book "Gargantua and Pantagruel" by Francois Rabelais. O. S. Sapozhnikova. *Uch. zap. GGPiIA* no. 27:141-145 '66.

FRENCH LANGUAGE—MORPHOLOGY

Interrelation of the morphological and phonological levels. R. R. Kaspranskiy. *Uch. zap. GGPiIA* no. 27:141-145 '66.

FRENCH LANGUAGE—PHONOLOGY

Interrelation of the morphological and phonological levels. R. R. Kaspranskiy. *Uch. zap. GGPiIA* no. 27:141-145 '66.

FRENCH LANGUAGE—SYNTAX

Some syntactic characteristics of verbal phrases with an objective link of components in the contemporary French language. L. O. Kol' *Uch. zap. GGPiIA* no. 27:105-112 '66.

FRENCH LANGUAGE—VERBS

Model verbal constructions in the contemporary French language. L. O. Kol'. *Uch. zap. GGPiIA* no. 27:113-120 '66.

FREONS

Determination of the number of active centers of steam generation during the boiling of freons 112 and 113. D. I. Anshin. *Uch. zap. zhurn.* 14 no. 5:19-21 '67.

Measuring the concentration of oil in calculating freons. V. S. Zolotarev, V. B. Iulian. *Photoekh.* 41 no. 5:39-41 '67.

Stability of methane, methane, carbon monoxide, and hydrogen in freons at low temperatures. I. I. Leites, M. A. A. Shchukina. *Plasma* 42 no. 11:19-20 '66.

FREQUENCIES OF OSCILLATING SYSTEMS

Calculation of the frequency of oscillations of a parametric oscillator. V. P. Komolov. *Vest. Mosk. univ.* 13:112-113 '67.

FREQUENCY CHANGERS

Control of work for frequency converters using photocells. V. O. Golubinskiy, V. B. Kupaev, I. K. Klyzmin. *Izv. vys. ucheb. zav. elektromekh.* no. 1:110-111 '67.

Effect of a strong interfering signal on the transmission factor of a transistorized frequency converter. M. E. Novikova. *ch. Elektrosv'яз'* 21 no. 5:77-80 '67.

Sensitive amplitude discrimination for automatic instruments. V. B. Onuchin, A. E. Trop. *Izv. vys. ucheb. zav. prikl.* 10 no. 4:17-19 '67.

FREQUENCY METERS—MAINTENANCE AND REPAIR

Regulating frequency meters. E. V. Chechenin. *Vest. prosvvoshch. obor.* no. 10:82-83 '66.

FREQUENCY REGULATION

Synthesis of automatic frequency trim systems tracking Doppler shift in frequency. V. N. Kuleshov. *Radioelektronika* 22 no. 5:35-43 '67.

FRESH WATER

Does fresh water constitute a problem? V. Kirsanov. *Vostok* 12 no. 4:14-17 '67.

Freshwater fauna. see subdivision under Azerbaijan, Ukraine

FRICTION

Apparent transformation of dry friction to viscous one. V. V. Andronov. *Uch. zap. zhurn.* no. 2:91-92 '67.

Determining the angle of the friction between soil and the contact plane of gravity quays. V. K. Zaitsev. *Mosk. gos. univ.* no. 2:72-81 '66.

Determining the temperature of the friction surface of a mechanical brake in its joint operation with a hydraulic brake. G. M. Shakhmatov, S. M. Tagiev, S. A. Radzhabov. *Mash. i elekt. obor.* no. 5:11-18 '67.

Device for measuring the coefficient of friction. K. I. Utugaldiz, Sh. S. Elordashvili. *Shkola i prosv.* 11 no. 5:46-49 '67.

Engineering formulas for friction on a permeable surface in turbulent gas flow. V. D. Sovetskii. *Inzh. fiz.* 12 no. 4:538-539 '67.

Friction in a vacuum. I. M. Likhachev and others. *Fiz. i khim. mekh. mal.* 3 no. 2:197-200 '67.

Friction of tin, aluminum, copper, iron, TiSK6, VK6 against copper at variable temperatures. V. M. Zuev, V. A. Zuev. *Izv. vys. ucheb. zav. fiz.* no. 4:140-142 '67.

Frictional properties of rubberlike polymers at high temperatures in vacuum. A. I. Yul'kin, V. N. Nikolskiy, D. A. N. SSSR 173 no. 6:1302-1305 '67.

Seizing under conditions of rolling with sliding of lubricated metallic bodies. I. A. Gavrilov, I. N. Drozdov. *Mashinostroenie* no. 3:75-78 '67.

Studying friction coefficient of welded joints. M. P. Ginzburg and others. *Izv. vys. ucheb. zav. neftekh. i gaz.* 9 no. 11:20-31 '66.

Temperature dependence of the external friction coefficient in M3 copper rolling. V. P. Scverdenko, M. A. Barsagian. *Dokl. AN BSSR* 11 no. 4:327-329 '67.

FRICTION MATERIALS

Equipment and method of studying antifriction properties of solid lubricants. A. I. Aitamonov, Sh. E. Barsagian. *Porosh. met.* 7 no. 5:102-107 '67.

FROGS

(see subdivision under Kremenchug Reservoir)

FROZEN GROUND

(see also subdivision under Anadyr' Valley, Selenga Valley)

Investigating and regulating thermal conditions in north-eastern mines. I. D. Diad'kin, S. I. Shakhov, V. D. Mitenev. *Zap. LGI* 50 no. 1:49-60 '65.

FROZEN GROUND—ELECTRIC PROPERTIES

Calculation of the conductivity of permafrost soils. N. N. Maksimenko, O. I. Uvarov, V. P. Chumakov. *Elektrosv'яз'* 21 no. 5:75-77 '67.

Special features of the propagation of radio waves in regions with permafrost rocks. V. E. Kashprovskii, B. I. Korennev. *Elektrosv'яз'* 21 no. 5:32-36 '67.

FRUIT—ANATOMY

[Fruit anatomy and ultrastructure] Anatomia i ultrastruktura plodov. Kishinev, Karla Moldovenaske, 1968. 84 p.

FRUIT—COOPERATIVE MARKETING

Some problems of cooperative procurement. A. Zavrazhnykh. *Zakup sel'khoz. prod.* no. 3:23-26 '67.

FRUIT—IRRIGATION

(see subdivision under Moldova)

FRUIT—PRESERVATION

(see subdivision under Moldova)

FRUIT CULTURE—FINANCE

(see subdivision under Moldova)

FRUIT CULTURE—STUDY AND TEACHING

(see also subdivision under Ploiesti Province)

Practical training program in fruit growing. G. G. Shkola i prosv. 11 no. 1:17-19 '67.

FRUIT TRADE

(see subdivision under Central America, Moldova)

FRUIT TREES

(see subdivision under Georgia, Omsk Province)

FUCK, JULIUS, 1803-1843

Julius Fuch in Uzbekistan, 1931-1935. N. A. V. *Uzbek. Shkol. i prosv. Tashkent* no. 25:173-182 '67.

FUEL

Improvement of the tribology characteristics of fuel using additives. A. T. Shatkov. *Teplota i energiya* 11 no. 2:50-52 '67.

FUEL—ECONOMIC ASPECTS

(see subdivision under Russia)

FUEL—PRICES

(see subdivision under Ukraine)

FUEL—QUALITY CONTROL

Quality control of fuel and lubricants. M. A. Shatkov. *Tekhn. i ekonomika* 25 no. 12:30-33 '66.

FUEL—STORAGE

Degree of filling fuel storage tanks. T. Zaitsev. *Uch. zap. zhurn.* no. 11:80-93 '67.

FUEL—TRANSPORTATION

From experience of distributing fuel. V. I. Shatkov, I. Stepanenko. *Uch. zap. zhurn.* no. 11:80-93 '67.

FUMAGILLIN—PHYSIOLOGICAL EFFECT

Changes in Entamoeba histolytica from culture in the effect of emetin and fumagillin. L. M. Shatkov. *Med. paraz. i parazit. bol.* 36 no. 2:209-216 '67.

FUMIGATION

(see subdivision under Kishinev)

FUNCTIONAL ANALYSIS

Additive functionals from generalized Gaussian processes. I. M. Ryzhov. *Ukr. mat. zhurn.* 19 no. 3:123-130 '67.

Analysis of the straight line method for nonlinear differential equations. A. D. Lashko, M. M. Kuchukov. *Ukr. mat. zhurn.* 19 no. 3:677-680 '67.

Asymptotic behavior of a single reflection from a rough surface. R. G. Bontsev. *Vopr. teoret. fiz.* no. 7:126-133 '67.

Calculation of functionals in solving linear equations of first order. M. K. Likhachev. *Ukr. mat. zhurn.* 19 no. 3:667-672 '67.

Characteristic functionals of the functionals of processes with independent increments. R. G. Bontsev. *Ukr. mat. zhurn.* 19 no. 3:70-76 '67.

Estimation of linear functionals in solving inverse problems. A. P. Petrov. *Ukr. mat. zhurn.* 19 no. 3:640-654 '67.

A general method of solving extremum problems. I. A. Potlakh. *Dokl. AN SSSR* 174 no. 1:33-36 '67.

Principle of averaging in the mathematical theory of optimal processes. U. A. Akilov, A. N. Chikina. *Dokl. AN Uz. SSR* 23 no. 7:15-18 '66.

Theory of the first variation in extremum problems. R. V. Gamkrelidze, I. L. Kharatishvili. *Sov. fiz. mat. uz. SSR* 16 no. 1:27-31 '67.

Variational principle for third-order energy conservation. I. U. Dmiltsev, M. S. Ushakov. *Vest. LGU* 22 no. 4:15-16 '67.

Volkh, B. Z. [Introduction to functional analysis] Vvedenie v funktsional'nyi analiz, 2., perer. i dop. Moskva, Nauka, 1967. 415 p.

FUNCTIONAL EQUATIONS

Functional equations of Dirichlet functions. A. S. Lashko. *Izv. AN SSSR, Ser. mat.* 31 no. 2:431-412 '67.

FUNCTIONS

Analysis of overshoots of random functions. A. S. Lashko. *Izv. vys. ucheb. zav. mashinostr.* no. 3:27-30 '67.

Applicability of the principle of areas to problems involving nonoverlapping domains. (Supplement). N. A. Lashko. *Vest. LGU* 22 no. 7:44-73 '67.

Completeness of amplitudes in the theory of perturbation in amplitude space. D. I. A. Petrina. *Ukr. mat. zhurn.* 19 no. 3:62-78 '67.

Constructive generalized functions. P. N. Dmiltsev. *Dokl. AN SSSR* 174 no. 1:37-40 '67.

FUNCTIONS (Continued)

- Existence of the development of a field of values on a surface. A. M. Rodionov, N. N. Tretyakov. *Izv. AN SSSR Ser. fiz.-mat. nauk* 11 no. 129-301 Ap '67.
- Intersection of the compatibility of bases in the use of the linear realization of functions of algebra. B. A. Mikhlin. *Mat. zam.* 1 no. 5 515-521 '67.
- Elementary spherical functions on an $SL(2, P)$ group over a field P which is not a local compact field relative to a subgroup of matrices with integral elements. R. S. Zakharenko. *Izv. AN SSSR Ser. mat.* 31 no. 2 361-390 Ap '67.
- Realization of Mellor-Fol's integral transformation. A. E. Ushko. *Prikl. mat.* 3 no. 5 15-19 My '67.
- Linear methods of summing Fourier series which are similar to the Bernstein-Rugosinski method. G. A. Ponomarev. *Izv. AN SSSR Ser. mat.* 31 no. 2 335-348 Mi-Ap '67.
- Methods of phase functions in quantum mechanics. V. V. Fomin. *Usp. fiz. nauk* 92 no. 13-26 My '67.
- Shabat, P. S. [Some special functions, a textbook] *Teoriya spetsial'nykh funktsii, uchebnoe posobie*. Leningrad, 1967, 61 p.
- A problem of Szegő, Kac, Baxter, and Hirschman. L. E. Gerzon. *Izv. AN SSSR Ser. mat.* 31 no. 2 289-334 Mi-Ap '67.
- Approximation of processes in search for extremum functions, using a priori data. N. M. Pchel'yanova. *Autom. tekhn.* no. 5 160-165 My '67.
- Order of approximation of a function by mean arithmetical sums of its Fourier-Stieltjes-Liouville series. A. V. Dezhnev. *Izv. AN Akad. SSSR Ser. fiz. tekhn. i mat. nauk* no. 6 11-15 '66.
- Classical linear theory of aperiodic instabilities. I. A. Pecherishkin. *Zhur. tekhn. fiz.* 37 no. 6 1177-1180 Je '67.
- Asymptotic hyperspherical functions of three particles. C. M. Bogoslovskii, N. P. Klepikov. *Izv. fiz.* 5 no. 5 124-131 My '67.
- FUNCTIONS, ANALYTIC**
- Circular boundary value problem for a bounded domain. A. G. Gerasimov. *Izv. AN Akad. SSSR Ser. mat.* 31 no. 1 52-56 Je '67.
- Existence of differential and perturbed-differential operators in spaces of analytic functions of several variables in multiply curvilinear domains. G. L. Kramet. *Mat. zam.* 1 no. 5 656-374 '67.
- Expansion by systems of rational functions with fixed poles. M. I. Dzhuravskii. *Izv. AN Akad. SSSR Ser. mat.* 31 no. 3 51-51 '67.
- Solution of nonlinear algebraic and transcendental equations in the complex domain. I. S. Kats, M. D. Margolov. *Zhur. vych. mat. i mat. fiz.* 7 no. 1 651-661 My-Je '67.
- Some spaces of holomorphic functions with isolated singularities. V. D. Golovin. *Mat. sbor.* 73 no. 1 21-41 My '67.
- Stability of the root number of its characteristic numbers and eigenvalues. V. M. Ent. *Dokl. AN SSSR* 173 no. 1251-1254 Ap '67.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

FUNCTIONS, CONTINUOUS

- Approximation of certain classes of continuous functions defined by Jordan arcs. N. N. Vorobiev. *Ukr. mat. zhur.* 19 no. 3 98-94 '67.
- Criteria of the existence of derivatives in L^p space. I. U. A. Brudnyi. *Mat. sbor.* 73 no. 1 42-64 My '67.
- Integration and differentiation under the integral sign in the Cesaro-Denjoy sense. A. G. Mugolov. *Izv. AN Azerb. SSR Ser. fiz. tekhn. i mat. nauk* no. 6 22-29 '66.
- New proof of the theorem on the stabilization of the solution to the Cauchy problem for the heat conduction equation. V. D. Repnikov, S. D. Fideľman. *Mat. sbor.* 73 no. 1 155-159 My '67.
- Problems of differentiation for integral curves near a specific point on a plane and in the n -dimensional space. I. S. Kukic. *R. I. Akhmerina. Dokl. AN U. SSR* 23 no. 3 3-6 '66.

FUNCTIONS, ENTIRE

- An extension of the class of stable distributions. A. A. Zinger. *Dokl. AN SSSR* 173 no. 6 1255-1256 Ap '67.
- Functions which assume integral values. A. O. Gel'fond. *Mat. zam.* 1 no. 5 509-511 '67.

FUNCTIONS, HYPERGEOMETRIC

- Vertical upward motion of an acoustic wave allowing for viscosity. I. U. Mikhlin. *Vest. Mosk. un. Ser. fiz. i tekhn.* 22 no. 3 100-103 My-Je '67.

FUNCTIONS, MEROMORPHIC

- Boundary properties of meromorphic functions of class K_n . M. M. Dzhabashian, V. S. Zakharenko. *Dokl. AN SSSR* 173 no. 6 1247-1250 Ap '67.

FUNCTIONS, PERIODIC

- Convergence of the quadrature process for differentiable periodic functions. N. P. Keda, L. A. Ivanovich. *Dokl. AN SSSR* 173 no. 1 293-295 Ap '67.

FUNCTIONS, SPHEROIDAL

- Determining the magnetic field of spreading currents in media divided by the surface of a spheroid. D. B. Gur'ich, L. A. Syadoshikh. *Zhur. tekhn. fiz.* 37 no. 6 1025-1027 Je '67.

FUNCTIONS, TRANSCENDENTAL

- Asymptotic behavior of confluent functions. I. I. Romanovskaya, N. M. Khalifa. *Zhur. vych. mat. i mat. fiz.* 7 no. 1 661-667 My-Je '67.

FUNCTIONS OF REAL VARIABLES

- Theory of interpolation of functions of real variables. D. I. Beiman. *Izv. vys. uch. zav., mat.* no. 6 3-10 Je '67.

FUNCTIONS OF SEVERAL VARIABLES

- Approximation of functions of several variables by sums of functions of a lesser number of variables in the complex domain. M. B. A. Ribaev. *Dokl. AN Azerb. SSR* 1 no. 1 3-8 '67.
- Differentiability of functions of two variables. S. A. Mchedlishvili. *Sov. AN Gruz. SSR* 16 no. 2 289-291 My '67.
- Use of random search in determining the extremum of functions of several variables. V. K. Chichinadze. *Izv. AN SSSR, tekhn. kib., no. 1 111-120 Ja-F '67.*

FUNCTION THEORY

- Extension of functions from the category of Banach spaces to the category of (α) -spaces. G. Kh. Reiman. *Dokl. AN SSSR* 173 no. 6 1239-1241 Ap '67.

FUNGUS see subdivision under Krasnodar Territory

FUNGUS-DISEASES AND PESTS

- Population growth rate and body size of some nematodes-mycobionts cultivated on various fungi. I. M. Sudakov, E. K. Cherniak. *Zool. zhur.* 46 no. 1 181-185 Ap '67.

FUNGUS PATHOGENIC

- Pathogenic fungi as the inducers of systemic mycoses and the principles of their indication in external environment. A. M. Ial'ov. *Vopr. med. zhur.* no. 5 46-50 My '67.
- Treatment of experimental infection caused by diphtheria bacilli in association with *Candida albicans* fungus. R. N. Rebova, Zhur. mikrobiol., opid. i immunit. 44 no. 6 81-88 Je '67.

FUNGICIDES

- Activity of some fungicides in relation to the Phytophthora infection of tomatoes. E. F. Gnanin, V. V. Izubenko. *Khim. v sel. khoz.* 5 no. 5 27-31 '67.
- Compatibility of phosphorus-organic insecticides with fungicides. A. S. Sed'kh and others. *Khim. v sel. khoz.* 5 no. 6 22-24 Je '67.

FUR-BEARING ANIMALS see subdivision under Russia, Northern

FUR-BEARING ANIMALS—PARASITES see Parasites—Fur-bearing animals

FUR FARMING see subdivision under Russia, Northern

FUR TRADE

- Basic directions of the research work of the All-Union Scientific Research Institute of the Fur Industry from 1966 to 1970. A. M. Rodionov. *Khoz. prom.* 9 no. 3 6-8 Mi '67.

FURAN METHANEDIAMINE

- Furfural as a seed disinfectant and nitrogen fertilizer. A. A. Shcherbakov, D. M. Babitski. *Khim. prom. Ural* no. 5 20-23 S-O '66.

FURNACES

- Block-up and cleaning of the heating surface of a gas-fueled boiler. P. I. Ianko and others. *Elek. sta.* 38 no. 5 32-36 My '67.
- Effect of design parameters on the aerodynamics of cyclone chambers. E. D. Baluev. *IU V. T. Oskanli. Teploenergetika* 14 no. 2 67-71 F '67.
- Method for adjusting a perturbation compensating device activated by expenditure of feedwater in the fuel regulator of a once through-type boilers. A. S. Rubashkin. *Teploenergetika* 14 no. 2 73-76 F '67.
- Method for experimentally controlling combustion (relationship between fuel and air) in the furnaces of large boiler-turbine blocks. A. A. Volkov, V. I. Shostak. *Prib. i sist. avtom.* no. 2 111-119 '66.
- Results of adjustment and operation of boilers with lignite-fired cyclone furnaces. M. L. Marshak and others. *Elek. sta.* 38 no. 5 26-31 My '67.
- Simulation of strong blast. D. I. Rabinovich. *Teploenergetika* 14 no. 2 32-34 F '67.
- Study of slag coating of screens in burning of anthracite culm. V. A. Melnik and others. *Teploenergetika* 14 no. 2 43-46 F '67.

- Study of the stabilizability of the gas permeability of a layer of clinker on a coil-type refrigerator with the aid of radioisotopes. B. E. Klyov and others. *Izv. AN Uz. SSR Ser. fiz.-mat. nauk* 11 no. 3 71-72 '67.

- Study of the structure of a cyclone process in burning solid fuel. L. L. Kalishevskii, B. G. Ganchev. *Teploenergetika* 14 no. 2 16-19 F '67.

- Testing of a regenerative air heater. I. A. Botkachik, L. A. Kostrov. *Energomashinostroenie* 13 no. 5 6-8 My '67.

- Testing of TsKKB and NI OGAs pulverized coal cyclones in electric power plants. I. I. Kipichev, A. P. Komarov, V. V. Kushnarenko. *Energomashinostroenie* 13 no. 5 21-22 My '67.

FURNACES, HEAT-TREATING

- Poskachev, A. A., and S. P. Rusin. [Temperature measurement in electric heat-treating equipment, methods and apparatus] *Izmerenie temperatury v elektrottermicheskikh ustanovkakh; metody i pribory*. Moskva, Energiya, 1967. 110 p. (Biblioteka elektrottermista, no. 31)

FURNACES, HEAT-TREATING—DESIGN AND CONSTRUCTION

- Operation of an annealing high-temperature furnace. I. U. Tretyakov, S. G. Khoets'ian, M. S. Il'in, Tsvet. mat. 10 no. 5 85-88 My '67.
- Studying a heat-treatment car-bottom furnace with intensive recirculation of combustion products. I. A. Gaidukovich and others. *Kuz. shchit. prom.* 9 no. 4 36-40 Ap '67.

FURNACES, HEATING

- Equations describing the dynamics of double-flue tubular heating furnaces of the radiative type (radiative chambers) in the case when the fuel is injected in two jets. F. I. Khannamedov. *Izv. AN Azerb. SSR Ser. fiz. tekhn. i mat. nauk* no. 6 100-112 '66.

FURNITURE see subdivision under Sweden

FURNITURE INDUSTRY

- (see also subdivision under Moldavia, Ukraine)
- Effect of economic factors on the quality of produced furniture. *Dor. prom.* 16 no. 6 12-15 Je '67.

FURNITURE INDUSTRY—EXHIBITIONS

- Soviet furniture in Paris. R. Sevost'yanov. *Vnesh. torg* 17 no. 1 35-36 '67.

FURNITURE INDUSTRY—MANAGEMENT

- Scientific organization of labor at a working place. M. D. Shapilo. *Dor. prom.* 16 no. 6 14-15 Je '67.

FURNITURE INDUSTRY—PRICES

- Prices for furniture. M. Kokotiev. *Plan. khoz.* 44 no. 6 84-87 Je '67.

FUROCOUMARIN

- Kuznetsova, G. A. [Natural coumarins and furocoumarins] *Prirodnye kumariny i furokumariny*. Leningrad, Nauka, 1967. 246 p.

FUSAIN

- Composition of humic acids of fusainous brown coals. N. M. Kozavayev, Z. A. Rumyantseva, V. S. Pollanskaya. *Dokl. AN Tadzh. SSR* 10 no. 2 22-26 '67.

FUSED SALTS

- Behavior of iron impurity in the electrolysis of fused sodium chloride with liquid lead cathode. I. I. Lyovovich, S. A. Zaitseva, A. G. Mordchevskii. *Zhur. prikl. khim.* 40 no. 3 671-673 Mi '67.
- Composition of metal deposited by the electrolysis of fused salts. NaCl - CaCl₂. K. I. A. Ganchev, V. I. A. Denishchenko, L. I. Zhacheva. *Zhur. prikl. khim.* 40 no. 1 666-670 Mi '67.
- Conditions of electrodeposition of titanium film in fused chlorides. Part 3: Diffusion difficulties in a chloride melt as a hindering factor in the electrodeposition of titanium film. V. P. Elutin, B. S. Lysov, I. A. Andreev. *I. lekht. okhishch. i no. 5 540-551 My '67.*
- Density and molar volumes in the binary systems of molten cryolites. V. T. Mal'tsev, G. A. Bukhalova. *Zhur. prikl. khim.* 40 no. 3 532-535 Mi '67.
- Effect of certain factors on electrocrystallization of titanium from fused salts. N. I. Anufrieva. *Izv. AN SSSR, Met.* no. 3 81-87 My-Je '67.
- Wetting of some minerals and oxides by fused chlorides. B. A. I. Ashki, L. V. Zverev, V. N. Gaidukovich. *Sov. AN Gruz. SSR* 46 no. 2 358-363 My '67.

FUSED SALTS—ELECTRIC PROPERTIES

- Conductance of melts of some binary halide systems. P. I. Protosenko, K. P. Shatskaya. *Elektr. okhishch. i no. 5 571-575 My '67.*

GADOLINIUM

- Study of the system gadolinium - tellurium. V. Sh. Zargarian, K. Kh. Abrikosov. *Izv. AN SSSR Khim. i tekhn. 3 no. 5 760-782 My '67.*

GADUKEVICH, VIKTOR FRANTSEVICH, 1904-1968

- V. F. Gaidukovich; an obituary. *Sov. arkhool.* no. 2 209-300 '67.

- GALANOV, A.**
Postscript. *Al Dnyshits*. October 11 no 2 194-196
1967
- GALAXIES**
Origin of galaxies in the expanding universe. A. G. Doroshkevich, I. B. Zel'dovich, I. D. Novikov. *Astron. zh.* 14 no. 2 291-307 '67.
Photometry of the NGC 5371 galaxy. O. Mamadov. *Bull. Inst. Astron. AN Tadzhik SSR* no 10 25-28 '66.
Radio emission of some QSO at a wavelength of 8 cm. V. N. Kuz'mich, I. U. E. Kaban. *Astron. zh.* 14 no. 2 171-172 '67.
- GALAXIES—SPECTRA**
Spectra of some blue objects in high galactic latitudes. E. A. Dibai, V. I. E. Kaban. *Astron. zh.* 44 no 2 278-282 '67.
- GALENA** see subdivision under Tetyukhe region (Maitube Territory), Transbaikalia
- GALLBLADDER—DISEASES**
Differential-diagnostic significance of peridural block in acute cholecystitis and cholecystopancreatitis. G. I. Nosov. *Vest. Khm.* 98 no 4 65-70 Ap '67.
Concurrent cholecystitis in nursing infants. A. D. Pavlov. *Vest. Khm.* 98 no 1 114- Ap '67.
Use of galactoside in the compound treatment of cholecystitis. V. S. Shchepchenko, Khm. khim. no. 3 77-80 Mh '67.
White bile. B. M. Shalhin, F. S. Faleev. *Sov. med.* 70 no 5 113 Mh '67.
- GALLBLADDER—RADIOGRAPHY**
Motor function of gallbladder in radiation sickness. V. Chachava. *Sov. AN Gaz. SSR* 46 no 1-213-216 1p '67.
- GALLBLADDER—RUPTURE**
Isolated subcutaneous rupture of the gallbladder. I. G. Melchik. *Vest. Khm.* 98 no 1-120 Ap '67.
- GALLBLADDER—SURGERY**
Hazards of injuring accessory bile ducts during cholecystectomy. L. N. Gitskin, L. M. Borovoi, V. M. Bab. *Vest. Khm.* 98 no 4 122-124 Ap '67.
- GALLIUM**
Distillation of gallium and gallium in one of the coal types of Transbaikalia. L. P. Smolov and others. *Trudy BKNH* no. 20 226-232 '66.
Modeling of the cyclic double layer structure on gallium and some adsorptive properties of mercury in the presence of thionin. A. M. Monczov, N. B. Grigor'ev, I. A. Bagotseva. *Elektronika* 3 no 5 585-590 My '67.
Rapid method of determining gallium in the presence of large amount of aluminum by potentiometric titration. I. I. Blyzhnii, S. L. Blyzhnii. *Dokl. AN Azerb. SSR* 23 no 1 11-17 '67.
- GALLIUM—ANALYSIS**
Use of camphoric acid in the analytical chemistry of gallium. Part 3. Determination of gallium in some natural and industrial materials using camphoric acid for its concentration. F. N. Krivichkova, M. N. Gordeeva. *Vest. LGU* 22 no 3 113-116 F '67.
- GALLIUM ANTIMONIDES**
Mechanism underlying the conductivity and scattering of phonons in doped GaSb. G. B. Abdullayev, M. I. Miev, G. I. Safarov. *Izv. AN Azerb. SSR Sci. fiz. tekhn. i mat. nauk* no 6 69-75 '66.
- GALLIUM ARSENIDE CRYSTALS—GROWTH**
Effect of the growth conditions on the electric properties of epitaxial p-n-junctions in gallium arsenide. M. D. Vilovoi, A. L. G. Lavrenteva, L. B. Chernikova. *Izv. vys. uch. zaved.* 17, no 4 155-157 '67.
- GALLIUM-INDIUM ALLOYS** see Indium-gallium alloys
- GALVANIC SKIN RESPONSE**
Electroresistance of the skin in generalized and focal forms of epilepsy in children and adolescents. S. G. Zogibaid, G. T. Muradjan. *Zhur. eksp. i klin.* 7 no. 2 27-30 '67.
- GALVANOMAGNETIC EFFECTS**
Galvanomagnetic effects in strong electric fields during nonelastic electron scattering. I. I. Vosilits, I. R. Levinson. *Zhur. eksp. i teor. fiz.* 52 no. 4 1013-1024 '67.
- GAME AND GAME BIRDS** see subdivision under Yakutia
- GAME THEORY**
Game theory. G. S. Iegazov. *Vest. protivovozd. bor.* no 12-67-73 D '66.
Minimax problem for a random gain function. I. N. Kuznetsov. *Izv. AN SSSR. Tekh. kib.* no 2-30-37 Mh - Ap '67.
- GAMES**
In the students' leisure time. V. T. Vechevskii. *Shkola i priroda* 11 no 4 57-60 Ap '67.
- GAMMA GLOBULIN**
Effect of light and heavy gamma globulin chains on synthesis of antibodies and nonspecific gamma globulins in vitro. A. F. Garvich, V. T. Spivtsov. *Mol. biol.* 1 no 1 35-40 Ja - F '67.
Localization and the duration of stay of antibodies in the animal body following the introduction of pertussis gamma globulin. R. F. Zelikov. *Trudy Most. nauch. inst. inst. zh. i svy.* 17 72-76 '61.
Mechanism of the action of dry antirabies gamma globulin used in treating wounds infected with the street virus of rabies. G. D. Pokhanskii. *Trudy Most. nauch. inst. inst. zh. i svy.* 17 99-104 '61.
Results of gamma globulin mass prophylaxis against epidemic hepatitis. L. P. Khramova, Zhur. mikrobiol., epid., i immun. 44 no. 6 127-129 Jc '67.
Study of the content of lipids of placental blood serum in the process of obtaining gamma globulin. Trudy Most. nauch. inst. inst. zh. i svy. 17 193-197 '61.
- GAMMA GLOBULIN—THERAPEUTIC USE**
Late results of mass use of γ -globulin as a method of preventing epidemic hepatitis. S. S. Spivtsov, Zhur. mikrobiol., epid., i immun. 44 no. 4 58-62 Ap '67.
- GAMMA-RAY SPECTROSCOPY**
Preliminary level scheme. B. S. Dzhelipov, H. V. Kalinichev, A. G. Segeev. *Izv. AN SSSR. Sci. fiz.* 31 no 4 670-674 Ap '67.
Signs in angular $\gamma\gamma$ correlations in the case of ^{112}In de-excitation. B. S. Dzhelipov, M. A. Listengarten, S. A. Shostopalo. *Izv. AN SSSR. Ser. fiz.* 31 no 4 581-586 1p '67.
- GAMMA RAYS**
Cross sections of Frenkel defect formation under γ -radiation of Co^{60} . A. T. Lebedev. *Izv. vys. uch. zaved.* 17 no. 1 38-61 '67.
Effect of γ -radiation on epoxy and epoxy-oligoester compounds. S. I. Omel'chenko and others. *Plast. prom. Ukr.* no 11-4 Mh-Jc '67.
Modeling of radioactive decays and geometrical characteristics of the particle decay according to the scheme $\gamma \rightarrow \gamma + \gamma$ by. R. S. Gubka, H. S. Krutskova, F. A. Muratova. *Izv. fiz.* 5 no 5 1023-1036 My '67.
Studying γ -rays from the $\text{Mg}^{26}(\text{p}, \text{p})^{27}\text{Mg}$ reaction at E_p 2322 KeV. A. A. Kovalev and others. *Izv. AN SSSR. Ser. fiz.* 31 no 4 637-644 Ap '67.
- GAMMA RAYS—EFFECT ON SEEDS** see Seeds, Effect of gamma rays on
- GAMMA RAYS—MEASUREMENT**
Accuracy of determining the energy of gamma quanta in a xenon bubble chamber. O. tochnosti opredelenia energii γ -kvantov v ksenonovoi, puzyr'koi kamere. [By] I. A. Ivanovskaya i dr. [Dubna, 1967] 35 p.
Martynov, A. S. [Calibration plots in γ R, d coordinates and measurement of the energy of gamma quanta in the 40–4000 Mev range in a xenon bubble chamber] Kalibrovocnye kartinnye v koordinatakh γ R, d i izmerenie energii γ -kvantov v diapazone 40–4000 Mev v ksenonovoi puzyr'koi kamere. [Dubna, 1967] 13 p.
- GAMMA RAYS—PHYSIOLOGICAL EFFECT**
Biological principles of preserving blood in plastic containers sealed together with solutions by gamma rays. I. A. V. Stokhoush and others. *Vest. AN BSSR. Ser. biol. nauk.* no. 2 87-94 '67.
Data on the biological effect of the ionizing radiation of cobalt (Co^{60}) on the preimaginal stages of the mosquito *Culex pipiens pipiens* Linn. E. S. Kogan, M. K. Kadyrova, Z. P. Shchikhan. *Dokl. AN Uz. SSR* 23 no 8 43-46 '66.
Effect of X and gamma rays on the development of *Onchocerca dispar* L. (filiplostoma, Tetracanthidae). F. S. Kakhmanuk, M. I. Petryna. *Vest. AN BSSR. Ser. biol. nauk.* no. 2 98-101 '67.
Nucleotide composition of the DNA in bacteria and their sensitivity to gamma rays. I. I. Samoilenko, K. F. Danov. *Bull. eksp. biol. i med.* 61 no 6 43-46 Jc '67.
- GAMMA RAYS—SCATTERING**
Primary extinction at resonance scattering of γ -quanta. V. S. Mospanov. *Izv. vys. uch. zaved.* 17, no. 4 62-65 '67.
Scattering of 0.511 Mev γ -quanta by shielding barriers. B. M. Shvortsov and others. *Atom. energ.* 22 no. 5 404-405 My '67.
Showers in lead produced by 0.1 to 1 Gev γ -quanta. O. Zaimidova, H. D. Prokhorova, V. M. TSapko. *Sitnik. Zhur. eksp. i teor. fiz.* 52 no 4 1027-1033 '67.
Spatial distribution of backscattering γ -radiation of sources located on the surface of the reflector. N. F. Andriushin, B. P. Bulatov. *Atom. energ.* 22 no. 5 406 My '67.
Spatial distribution of scattered γ -radiation in a cavity in the case of collimated primary radiation source. N. F. Andriushin, B. P. Bulatov. *Atom. energ.* 22 no. 5 415-416 My '67.
- GAMMA RAYS—THERAPEUTIC USE**
Dynamics of the roentgenological picture of peripheral cancer of the lung in large focus skin distance gamma therapy. A. M. Lurie, Sh. M. Belbutov. *Zhur. eksp. i klin. med.* 7 no 2 45-50 '67.
- GANGLIONIC BLOCKING AGENTS**
Ballistocardiography during the use of neuroplegic mixture in parturients. A. G. Guseinov. *Azerb. med. zhur.* 44 no. 1 81-84 Ja '67.
Excitation of acetylcholine by the gastric mucous membrane and its quantitative changes under the effect of ganglione and quaterone. I. L. Viraban. *Zhur. eksp. i klin. med.* 7 no. 1 13-21 '67.
State of hemodynamics in ganglionic block induced by increasing resistance to hypotensive effect of nifedipine. V. A. Arkatov, G. A. Shifir. *Fiziol. zhur. [Ukr.]* 13 no. 3 319-325 My-Jc '67.
- GANGRENE**
Calender's fascioplasty amputation of the hip in gangrene. Khm. khim. no. 3 83 Mr '67.
- GANNOCHEKA, MIKHAIL**
Sniper Gannochka and "Cuckoo." K. I. Apin. *Sov. voen.* 49 no. 2 32-35 Ja '67.
- GANTIBUROV, IPPOLIT IVANOVICH, 1900-**
Ippolit Ivanovich Gantimurov on his 68th birthday. Tr. h. a. a. vchenie no 5 151-152 Mh '67.
- GAS, NATURAL**
(see also subdivision under Carpathian Mountain region, Kulan-Azov Lowland, Rudki Gas Field, Soviet Central Asia, Ukraine, Western, Volga Valley)
Determining separation factor in section of subsea face pump. O. M. Iusupov, N. N. Repin, G. A. Babalov. *Izv. vys. uch. zaved.* 17, no. 1 49-52 '67.
Effect of hydrodynamic factors and relationship between initial reagents on the process of oxidation of natural gas in a fluidized bed of a catalyst. I. I. Mukhlenn, E. M. Zimna, A. V. Avrubnikh. *Zhur. prikl. khim.* 10 no. 3 315-312 Mh '67.
Effective methods for using natural gas for heating open-hearth furnaces. S. M. Andonov and others. *Gaz. prom.* 12 no. 5 22-21 My '67.
Experimental study of some thermophysical values of natural gases. N. V. Lavrov, Z. Khutulin. *Dokl. AN Uz. SSR* 23 no 7 23-25 '66.
Experimental study of some thermophysical values of natural gases. N. V. Lavrov, V. V. Altunin, Z. Khutulin. *Dokl. AN Uz. SSR* 23 no 8 22-21 '66.
Intermediate amplifying of electric signals transmitted along gas pipeline. V. I. Seregovskiy, V. A. Arutunov, V. E. Stepanov. *Gaz. prom.* 12 no. 5 39-11 Mh '67.
Optimization of performance regimes of closed loop gas pipelines. R. A. Berman, S. A. Bobrovskiy, Z. F. Galibaidin. *Gaz. prom.* 12 no 3, 2-26 Mh '67.
Single-parameter equations of state for natural gases. N. K. Bolotin. *Tekhnicheskaya* 14 no. 5 75-77 Mh '67.
Technical and economic analysis of incomplete oxidation of natural gas. S. F. Gafkov, A. A. Zalevskiy, E. A. Pribetskii. *Gaz. prom.* 12 no. 5 46-18 Mh '67.
Theoretical foundations for calculating and optimizing unsteady load regimes in gas pipelines using electronic computers. A. V. Aleksandrov and others. *Gaz. prom.* 12 no. 5 28-29 Mh '67.
Using natural gas in the machinery industry of the Soviet Union. V. T. Kopylov. *Gaz. prom.* 12 no. 5 31-35 Mh '67.
- GAS, NATURAL—ANALYSIS**
(see also subdivision under Chechen-Ingush A. S. S. R.)
Excess of Ar^{36} in volcanic and postvolcanic gases of the U.S.S.R. V. V. Cherdynisov, H. V. Shitov. *Geokhimiya* no. 5 618-620 My '67.
- GAS, NATURAL—DRYING** see subdivision under Rudki Gas Field
- GAS, NATURAL—GEOLOGY**
(see also subdivision under Amu Darya Valley; Apsheron Peninsula region, Bikhov Oil Field, Caspian Lowland, Guinea Gulf region, Kara-Kalpak A. S. S. R.; Khodnovichi Gas Field; Kura Lowland, Kuybyshev Province, Peshchany-More Oil Field; Russian Platform; Sakhalin, Saratov Province, Siberia, Siberia, Eastern, Siberia, Western; Soviet Central Asia, Turkmenistan, Tyumen' Province; Ukraine; Uzbekistan; Vilyuy Valley, Volga-Ural region; Volgograd Province, Yuzhno-Kumertau Oil Field)
Evaluating effectiveness of scientific studies in oil and gas prospecting. S. I. Vambaum. *Ekon. i tekhn. prom.* no. 1 12-14 '67.
Some indices of geologic prospecting for oil and gas in the U.S.S.R. Z. I. Maimin, E. L. Peshtich. *Geol. nefit i gaza* 11 no 5 10-12 My '67.
- GAS, NATURAL—HYDRATES** see subdivision under Sredne-Vilyuyek Gas Field; Svidlitsa Gas Field

GHANA—GENTOURINARY DISEASES

Effect of gentamicin on the growth of *Shigella* spp. in culture. P. J. J. van der Vliet, J. van der Vliet, J. van der Vliet. *Med. J. Trop. Subtrop.* 1967, 22:12-14.

GHANA—POLITICS AND GOVERNMENT

The political situation in Ghana. *Ann. Afr. Stud.* 1967, 5:12-14.

GHANA—SCHEIDTOMIASIS

The effect of the phorbol ester on the activity of the enzyme. *Ann. Afr. Stud.* 1967, 5:12-14.

GIBBERELIN

Effect of gibberellin on the phorbol ester activity of the enzyme. *Ann. Afr. Stud.* 1967, 5:12-14.

GISENG see subdivision under Teberda Preserve

GLAZBERG, ALBERT, SEMENOVICH, 1883-1963

His work and teaching activities of A. S. Glazberg. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASHBERG, VITALII VIL'GEL'MOVICH, 1907

Vitalii Vil'gel'movich Glashberg on his 60th birthday. *Ann. Afr. Stud.* 1967, 5:12-14.

GLIDERS see Beams and girders

GLISAR RANGE—GEOLOGY, STRATIGRAPHIC

Upper Paleogene red formation of the south-eastern spurs of the Gliszar Range. *Ann. Afr. Stud.* 1967, 5:12-14.

GLISAR RANGE—GEOLOGY, STRUCTURAL

Tectonics of joint zone of Tuman Platform and epiplatform on the Gliszar Range. *Ann. Afr. Stud.* 1967, 5:12-14.

GLISAR VALLEY—SOILS

Differential porosity of some soils in the Gliszar Valley. *Ann. Afr. Stud.* 1967, 5:12-14.

GLACIAL EPOCH see subdivision under Altai Mountains, Khingai Mountain

GLACIERS see subdivision under Baksan Valley, Chukcha Valley (Yakutia)

GLACIOLOGICAL RESEARCH see subdivision under Terskey Altai

GLADKOV, FEDOR VASIL'EVICH, 1883-1958

Observations on the author's corrections in the novel "Cement". *Ann. Afr. Stud.* 1967, 5:12-14.

Physiological synovitis in the biology of F. V. Gladkov. *Ann. Afr. Stud.* 1967, 5:12-14.

Principal methods of the usage of physiological units in F. V. Gladkov's trilogy. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS

Color centers in glasses with neodymium. *Ann. Afr. Stud.* 1967, 5:12-14.

Local charge compensation in glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Spectral characteristics of manganese-activated glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of the technological process on the properties of glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS FIBERS

Effect of glass fibers on the temperature of the transition of polyethylene to polymethyl methacrylate. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS FIBERS—THERMAL PROPERTIES

Characteristics of the thermal expansion of clinkered glass fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS FURNACES

Glazberg, D. B. (Glass furnaces) *Steklovarennye pechl.* Moskva, Strelizdat, 1967. 339 p.

GLASS FURNACES—DESIGN AND CONSTRUCTION

Methods of determining resistance to glass attack of refractory materials. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS MANUFACTURE

Hardening of glass by controlled liquid tempering. *Ann. Afr. Stud.* 1967, 5:12-14.

Production of crystalline glass material from difficultly fusible glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS MANUFACTURE—CHEMISTRY

Behavior of fluorine in silicate glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Crystallization of slag fluorine- and titanium-containing glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Crystallization of slag phosphorus- and titanium-containing glasses. *Ann. Afr. Stud.* 1967, 5:12-14.

Electric properties of oxide glass films of the system $TeO_2 - SiO_2$. *Ann. Afr. Stud.* 1967, 5:12-14.

Glasses of the system $Na_2O - B_2O_3$ activated by samarium terbium and dysprosium oxides. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS REINFORCED PLASTICS

Analysis of approximate formulas used in the calculation of pipes. *Ann. Afr. Stud.* 1967, 5:12-14.

Basics of the calculation of cylindrical shells and pipes from glass reinforced plastics under interior hydrostatic pressure. *Ann. Afr. Stud.* 1967, 5:12-14.

Basics of the strength, crack-resistance and airtightness of glass reinforced plastics during stretching. *Ann. Afr. Stud.* 1967, 5:12-14.

Calculation of a toroidal shell of glass reinforced plastics under interior hydrostatic pressure. *Ann. Afr. Stud.* 1967, 5:12-14.

Choice of bonding agents for glass reinforced plastics with a glass film filler. *Ann. Afr. Stud.* 1967, 5:12-14.

Equation of the bonding of laminated structures in a plane-stressed state. *Ann. Afr. Stud.* 1967, 5:12-14.

Polyethylene as a binder of glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

Progressive methods for the production of high-strength threads on glass reinforced plastic pipes. *Ann. Afr. Stud.* 1967, 5:12-14.

Quantitative methods for the microstructural analysis in the technology of glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

Some problems in the theory of the bonding of glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

Strength calculation of multilayer and monolithic vessels from glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

Strength of a glass reinforced plastic thin-walled shell under interior pressure. *Ann. Afr. Stud.* 1967, 5:12-14.

Technological calculations in the production of pipes from glass fiber laminates. *Ann. Afr. Stud.* 1967, 5:12-14.

Theory of shrinkage stresses and their effect on the strength characteristics of glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS REINFORCED PLASTICS—ELASTIC PROPERTIES

Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of structural parameters on the modulus of elasticity and deformation of unidirectional glass reinforced plastics during stretching in a direction perpendicular to that of the fibers. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS REINFORCED PLASTICS—MOLDING

Characteristics of the molding of glass reinforced plastic structures in the production of metal-plastic reinforced plastic vessels. *Ann. Afr. Stud.* 1967, 5:12-14.

Theory of the elastic molding of products from glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

GLASS REINFORCED PLASTICS—TESTING

Experimental investigation of the shear modulus of glass reinforced plastics. *Ann. Afr. Stud.* 1967, 5:12-14.

GLAUCONITE

Retention of cation and anion by glauconite after its leaching and structuration with the preparation of a new PAA-1. *Ann. Afr. Stud.* 1967, 5:12-14.

GLIDING AND SOARING

(see also subdivision under Aiginitia) From Orel to Volgograd. *Ann. Afr. Stud.* 1967, 5:12-14.

GLOMERULONEPHRITIS

Growth rate of β -hemolytic A-group *Streptococcus* in diffuse glomerulonephritis. *Ann. Afr. Stud.* 1967, 5:12-14.

GLUCOSAMINE—THERAPEUTIC USE

Use of tetraacycline in combination with glucosamine in inflammatory processes of the biliary tract. *Ann. Afr. Stud.* 1967, 5:12-14.

GLUCOSE

Binary compound of glucose with sodium chloride. *Ann. Afr. Stud.* 1967, 5:12-14.

Effect of gamma aminobutyric acid in the regulation of glycemia level in diabetes mellitus. *Ann. Afr. Stud.* 1967, 5:12-14.

Glucose effect on transformation of amino acids in brain sections. *Ann. Afr. Stud.* 1967, 5:12-14.

Role of gamma aminobutyric acid in the regulation of glycemia level in diabetes mellitus. *Ann. Afr. Stud.* 1967, 5:12-14.

Transport of glucose into erythrocytes. *Ann. Afr. Stud.* 1967, 5:12-14.

GLUCOSE METABOLISM

Absorption of glucose from the small intestine in experimental hypertension. *Ann. Afr. Stud.* 1967, 5:12-14.

Rate of glucose absorption in connection with the carbohydrate curves in patients following colic and diarrhea. *Ann. Afr. Stud.* 1967, 5:12-14.

GLUE

Using epoxy glue. *Ann. Afr. Stud.* 1967, 5:12-14.

GLUING

Glue instead of rivets. *Ann. Afr. Stud.* 1967, 5:12-14.

GLUTAMINE

Excretion of phenylacetylglutamine and phenylpyruvic acid in diseases of the liver. *Ann. Afr. Stud.* 1967, 5:12-14.

GLYCERIDES

Glyceride structure and radical redistribution during hydrogenation on Raney nickel catalysts. *Ann. Afr. Stud.* 1967, 5:12-14.

GLYCERIDES—OPTICAL PROPERTIES

New path of the synthesis of optically active diacylglycerols. *Ann. Afr. Stud.* 1967, 5:12-14.

GLYCEROL

Purification of glycerol waters in reagent-grade optical grade. *Ann. Afr. Stud.* 1967, 5:12-14.

Synthesis of R-forms of α -phosphatidyl- α -alanine and study of the configuration of bacterial lipopolysaccharides. *Ann. Afr. Stud.* 1967, 5:12-14.

GLYCINE, EFFECT OF RADIATION ON

Kinetics of low temperature photoinduced termination of pyramagnetic centers in irradiated glycine. *Ann. Afr. Stud.* 1967, 5:12-14.

GLYCOGEN

Pharmacies of glycogen in the tissues of developing secondary yolk, in man A. V. Voloshchuk, Arkh anat., gist., embriol. 52 no. 3 22-30 May '67

GLYCOLIPIDES

Glycolipides of *Pathia pectinifera* and *Mytilus incrustans*. N. K. Kochetkov and others Dokl AN SSSR 173 no. 6, 144-1450 Apr '67

GLYCOLS

Dialkylene glycols of the heterocyclic series I. N. Azerbaev, T. G. Sabaev, K. B. Erzhakov Vest AN Azerb. SSR 23 no. 3 42-47 Mar '67

Reaction of bis(hydroxymethyl)alkylamines with glycols A. A. Anisimov and others Zhur ob khim 37 no. 4 226-230 Apr '67

Synthesis and conversions of piperidine diacetylene glycols I. F. Azerbaev and others Vest AN Kazakh SSR 23 no. 1 30-44 Apr '67

GLYCOLYSE

Life of super high frequency radiation on content of intracellular glycolysis products in yeast cells, S. I. Dziamidova, I. A. T. Kuln Vest AN USSR Sov biol. sci. no. 2 81-86 '67

Oxidative and glycolytic activity of *Brucella* of different virulence P. A. Vershilova, E. A. Dianovskaya, T. I. I. I. I. I. Zhur mikrobiol., epid. i immun. 14 no. 5 37-42 May '67

GLYCOPROTEINS

Role of glycoproteins and neuraminic acid in the mucous membrane of the stomach and intestines Report No. 1. A. A. Matasakian Zhur eksp. i klin. med. 7 no. 1 29-32 '67

GLYCIRHETINIC ACID

Synthesis of glycyrrhetic acid derivatives Part 2. Synthesis of derivatives V. M. Adinin, A. M. Khaletskii Zhur ob khim 37 no. 5 1063-1065 May '67

GLYOXAL

Photographic behavior of azomethine derivatives of phenol- and 2-furylglyoxal I. A. P. Stradyn, I. A. Kravits, N. O. Stetsko Zhur ob khim 37 no. 5 977-982 May '67

GLYOXYLIC ACID

Catalytic monomer synthesis with carbonyl compounds Addition of 1 allenes to glyoxylic acid esters I. Kh. mova B. A. Abuzov Dokl AN SSSR 173 no. 6 1332-1335 Apr '67

GYMREY, ALEKSEI MIKHAILOVICH, 1887-1941

Shipbuilder, poet, revolutionary T. T. Uralov Vostochnye 57 no. 3 60-70 Mar '67

GOMES see subdivision under Black Sea

GODLIN, MIKHAIL MIKHAILOVICH, 1886-

Mikhail Mikhailovich Godlin, his 80th birthday P. V. Zakharchuk, S. M. Podolch Pochvovedenie no. 5 149-150 May '67

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852

Gogol' as a satirist and the folk tale V. I. Glukhov Nauch. dokl. vys. shkoly, filol. nauk 10 no. 3 66-75 '67

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852—STYLE

The work of N. V. Gogol' on the language of the poem "Dead souls." G. F. Zhidkova Uch. zap. FGU no. 40 81-90 '62

GOTTER

Antitumor function of the liver in hyperthyroid form of goiter in persons over 50 and the effect of surgical treatment on R. T. F. Vrozek, Klin. khir., no. 3 22-21 Mar '67

Asphyxia resulting from tracheomalacia in operations for goiter B. G. Platitskii, N. P. Ushakov, Klin. khir., no. 3 73-71 Mar '67

Current problems of the clinical aspects, diagnosis and surgical treatment of the nodular forms of goiter, M. M. Kovalev, Klin. khir., no. 3 1-7 Mar '67

Reaction of patients with thyrotoxic goiter to extrathyroid surgical interventions A. M. Serednitskii, Klin. khir., no. 3 18-22 Mar '67

Significance of gamma topography in the diagnosis and surgical treatment of goiter, I. L. Kulichenko, F. P. Nepochtenko, M. A. Khomenko, Klin. khir., no. 3 7-14 Mar '67

GOLD

Biruni gold nugget, S. V. Lopatin, Priroda no. 5 106 May '67

GOLD-COPPER-IRON ALLOYS

Phase diagram of the system gold-copper-iron V. V. Kuprina, V. B. Bernard, Vest. Mosk. un. Ser. 2 Khim., 22 no. 2 63-66 Mar-Apr '67

GOLD CRES see subdivision under Baley region (Chita Province); Saynyn Mountains

GOLD PLATING

Technological characteristics of thick gold plating A. M. Khramov Ptom Bcl. 10 no. 6 41-45 Jan '67

GOLDEN HORDE

Polychrome majolica of the period of the Golden Horde in the Volga Valley, A. S. Vostresenskii, Sov. arkheol. no. 2 79-90 '67

GOLODNAYA STEPPE—EVAPORATION (METEOROLOG)

Total evaporation and transpiration of rice under conditions in the Golodnaya Steppe V. S. Makarov, I. D. Brucovich Meteor. i gidrol. no. 6 74-79 Jan '67

GOLODNAYA STEPPE—MINERALS IN SOIL

Changes in the depth and mineralization of ground water level in irrigated virgin soils in the Golodnaya Steppe, V. A. Molodtsov Pochvovedenie no. 5 111-120 May '67

GOLODNAYA STEPPE—PLANTS—TRANSPIRATION

Total evaporation and transpiration of rice under conditions in the Golodnaya Steppe V. S. Makarov, I. D. Brucovich Meteor. i gidrol. no. 6 74-79 Jan '67

GOLODNAYA STEPPE—WATER, UNDERGROUND

Changes in the depth and mineralization of ground water level in irrigated virgin soils in the Golodnaya Steppe, V. A. Molodtsov, Pochvovedenie no. 5 111-120 May '67

GOLITS-MILLER, IVAN IVANOVICH, 1842-1871

New documentary materials on I. I. Golits-Miller, a Russian poet V. G. Gorchenko, Uch. zap. Ufimt. gos. ped. inst. 38 no. 3 152-155 '63

GOMEL'—AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

Director of a plant Prom Bcl. 10 no. 4 6 Apr '67

GOMEL'—OIL INDUSTRIES

Gomel' Order of the Red Banner of Labor Fat Combine M. I. A. Makhovitsova Mysl'-zhizn. prom. 37 no. 4 2-1 Apr '67

GOMEL' PROVINCE—INDUSTRIAL MANAGEMENT

Contribution of the workers of Gomel' Province V. F. Lazikovskii, Prom. Bcl. 10 no. 11-5 Apr '67

GOMEL' PROVINCE—RURAL CONDITIONS

Transformation of Polesye V. Lazikovskii, Agitator 35 no. 11 15-17 Jan '67

GONCOURT, JULES, 1830-1870

Special style of light and color characteristics in the works of the brothers Edmond and Jules Goncourt, based on the material of "Manette Solomon," R. A. Nasimovich, Uch. zap. GGPiIA no. 27 121-128 '66

GONCOURT, LOUIS, 1822-1896

Special style of light and color characteristics in the works of the brothers Edmond and Jules Goncourt, based on the material of "Manette Solomon," R. A. Nasimovich, Uch. zap. GGPiIA no. 27 121-128 '66

GONIOMETRY

New equipment for measuring angles V. I. Abramov, Geod. i kart. no. 11 32-36 Nov '66

Program for angle measurement in traversing using geodimeter and radio range measurements A. L. Ostrovskii, Inzh. geod. no. 1 24-29 '65

Relationship between the height of triangulation towers and observation time S. F. Fedotov Izv. vys. ucheb. zav., geod. i aerol. no. 5 50-60 '66

Standard angle polygon of the Central Scientific Research Institute of Geodesy, Aerial Surveying, and Cartography I. V. B. V. V. no. 5 41-45 May '67

GONIOPHOTOMETER

Study of an optical method for the determination of the degree of parallelization of fibers V. V. Iakovlev Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1 56-63 '67

GOOSEFOOT

Effect of day length and changing light balance on development of dormancy period in seeds of Leningrad pigweed of II and VI morphological groups G. Sh. Shamstev, Urb. biol. zhur. 11 no. 2 42-44 '67

GORBUNOV, PETER ANDREEVICH

The art of vision D. Kosashkov, Sov. radio i tel. 10 no. 5 23-24 May '67

GORILLAS

The year of the gorilla G. B. Schaller, Priroda no. 1 90-101 Apr '67

GORKII, MAKSIM, 1869-1936

"Enemies" by M. Gorkii in the evaluation of G. V. Plekhanov N. A. Gorbanev, Nauch. dokl. vys. shkoly: filol. nauk 10 no. 3 56-65 '67

GORKII—AUTOMOBILE INDUSTRY—ACCOUNTING

Accounting for materials with the use of dual cards E. M. Zikovskii, G. Kreimerman, Bukh. uch. 26 no. 5 50-54 May '67

GORKII—INDUSTRIAL MANAGEMENT

Knowing one's business N. Prokhorenkov Agitator 35 no. 11 36-38 Jan '67

The people's controllers are working effectively Part. 2. zhizn' no. 11 65 Jan '67

GORKII—SLAVIC STUDIES

Slavic studies at the departments of humanities of the institutions of higher education in Gorkii D. Belkin Sov. slav. no. 3 114-117 May-June '67

GORKII PROVINCE—CANALS

Efficiency of the construction of the approach canal to the intercity of Dzerzhinsk F. D. Buchan, V. Balashov Rech. transp. 26 no. 3 11-11 '67

GORKII PROVINCE—COMMUNIST EDUCATION

We must select and train higher officials and specialists in the national economy the best possible way K. Katushev Part. zhizn' no. 10 21-29 May '67

GORKII PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A study group of the secretaries of party organizations, I. Abramov Prof. tekhn. obr. 23 no. 10 8 Oct '66

GORKII PROVINCE—FARM MECHANIZATION

Increasing the role of machine operators on collective farms A. K. Amasov, Uch. zap. GGPiIA no. 28 118-117 '66

GORKII PROVINCE—INDUSTRIES

Origin and development of the Stakhanov movement in the industry of Gorkii Province F. M. Bormotov, Uch. zap. GGPiIA no. 28 71-93 '66

GORKII PROVINCE—RAILROADS—FINANCE

What is new in payments for transportation F. R. Rupasova Den. i kred. 25 no. 5 51-55 May '67

GORKII PROVINCE—STAKHANOV MOVEMENT

Origin and development of the Stakhanov movement in the industry of Gorkii Province F. M. Bormotov, Uch. zap. GGPiIA no. 28 74-93 '66

GORKII PROVINCE—TECHNOLOGICAL INNOVATIONS

Disseminating the achievements of production innovations, I. U. I. Dol'shikov Uch. zap. GGPiIA no. 28 94-117 '66

GORKII PROVINCE—WAGES—COLLECTIVE FARMS

Necessary product and wages on collective farms, N. Subadakhia, Nauch. dokl. vys. shkoly, ekon. nauk 10 no. 5 16-50 '67

GORNO ALTAI AUTONOMOUS PROVINCE—PUBLIC HEALTH

How the party organization of the Gorno-Altai Autonomous Province supervised the development of public health services in 1920-1937, I. M. Timofeeva, Uch. zap. TGU no. 56 3-22 '66

GORODETS (GORKII PROVINCE)—SHIPS—MAINTENANCE AND REPAIR

Profitability potentials of production A. Kurochkin, Smol. nov. Rech. transp. 26 no. 3 51 '67

GORYN' VALLEY—PASTURES AND MEADOWS

Productive meadows of the Goryn' River I. U. R. Shelin-Sosonko, A. I. Kur'mychev Ukr. bot. zhur. 24 no. 3: 74-80 May-June '67

GOSSYPOL

Electron-donor and electron-acceptor properties of gossypol A. Sultanov and others, Urb. biol. zhur. 11 no. 2 3-6 '67

GOVERNMENT BUSINESS ENTERPRISES—LAW AND LEGISLATION

Some problems in the concept of the government-owned enterprise B. V. Gligor'ev Vest. Mosk. un. Ser. 12 Pravo 22 no. 3 61-75 May-June '67

GOVERNMENT MONOPOLIES

Legal contents of the decree on the nationalization of foreign trade I. Kovan Vnesh. toig. 47 no. 4 13-14 '67

GOVERNMENT OWNERSHIP

(see also subdivision under France, Mali) Levin, A. A. [Social and economic forms in the U.S.S.R. during the period of transition from capitalism to socialism, state capitalism and private capitalism] Soisial'no-ekonomicheskie układy v SSSR v period perekhoda ot kapitalizma k sotsializmu, gosudarstvennyi kapitalizm i chastnyi kapitalizm, Moskva, Ekonomika, 1967, 166 p.

GOVERNORS (MACHINERY)

Analyzing the performance of automatic control system of an internal combustion engine with a two-pulse regulator by the speed and pressure of supercharging V. I. Krutov, I. V. Leonov, Izv. vys. ucheb. zav., mashinost. no. 4 54-59 '67

GRADERS (EARTHMOVING MACHINERY)

Vologdin, E. P., A. P. Deglinskii, and I. S. Chumakov. [Grading operations]. *Geideinye raboty*, 2 izd., dop. i ispr. Moskva, Stroiizdat, 1966. 216 p. (Seriya posobie po povysheniu masterstva stroitel'ov)

GRADING AND MARKING (STUDENTS)

International competitions of the criteria of grading. *Uchebnye zadaniya*. V. 1. Otkrytiye O. E. Denko. Izd. shk. 10. no 5 52-61 My '67

Written test papers on the subject "Grading". P. Mal'kov. *Planirovanie* 24 no 4 22-24 Ap '67

GRAFTING

Use of gibberellin in the propagation of black currants by cuttings and layering. I. A. Ibragimova. *Khimiya sel'sk. khoz.* 9 no 3 46-52 '67

GRAFTING OF SKIN see Skin grafting

GRAIN

(see also subdivision under Kazakhstan, North Kazakhstan Province, Volgograd Province)

Belozel'tsev, A. G. [Economic principles of mechanizing grain production]. *Ekonomicheskie osnovy mekhanizatsii proizvodstva zerna*. Moskva, Kolos, 1966. 351 p.

Geographical differences in the dynamics of grain crop yields in the territory of the non-Chernozem Central European part of the development of capitalism. G. A. Mamonova. *Vest' Mst. un. Ser. 5. Grup. 22* no 2 113-119 My '67

Modification of the method of protein determination in grain. A. Orlov, I. A. Shafershtein. *Dokl. AN Tadzh. SSR* 10 no 1 49-52 '67

Session of the Scientific Technological Council of the Ministry of Agriculture of the U.S.S.R. on the problem of chemical means for preventing the lodging of grain crops. A. Kh. Ljalilov. *Khimiya sel'sk. khoz.* 5 no 6 77-78 Ju '67

GRAIN—ANALYSIS AND CHEMISTRY

Technical and chemical control as a guarantee of the preservation of grain and high quality of production, sources of the work of the laboratories of grain receiving and grain processing enterprises. S. Efremov, A. Puzinov, L. Anshin. *Mst. sel'khoz. prom.* 33 no 1 1-2 Ap '67

GRAIN—CLEANING

Automatic control of machines for grain cleaning and grading. V. R. Kravtsov, Z. I. Luts. *Vest' sel'khoz. nauki* 12 no 5 88-92 My '67

Design of vertical cylindrical screens. M. Kisechikova, V. Mimaev. *Proizv. Arm.* 10 no 1 20-21 '67

GRAIN—CONGRESSES

Let there be more grain in the country. A. Puzinov, Z. I. Luts. *Mst. sel'khoz. prod.* no 2 32-33 F '67

GRAIN—DISEASES AND PESTS

(see also subdivision under Yauoslavl Province)

Comparative toxicity of organophosphoric pesticides to grain and grain product pests. I. U. D. Vikhinskiy. *Khimiya sel'khoz.* 5 no 3 16-17 '67

GRAIN—DRYING

Drying portions of grain of various moisture in gas recirculation grain driers. G. Zelinskii, L. Konashin. *Mst. sel'khoz. prom.* 33 no 4 15-16 Ap '67

GRAIN—FERTILIZERS AND MANURES see subdivision under Rostov Province

GRAIN—HARVESTING

Work of grain forming device of reapers. A. Chuganov. *Planirovanie* 27 no 6 62-63 '67

GRAIN—STORAGE

(see also subdivision under Kazakhstan, Orenburg Province)

Let us fill the motherland's granaries with grain during the anniversary year. *Zakup sel'khoz. prod.* no 3 1-5 My '67

Preparation time for receiving the new harvest grain. *Zakup sel'khoz. prod.* no 2 11-12 F '67

GRAIN—TRANSPORTATION

Dzladzio, A. M., and A. S. Kemmer. [Pneumatic transportation at grain processing enterprises]. *Pnevmaticheskii transport na zernoprosessirovaniye i khraneniye predpriyatiy*. Izd. 2., pererab. Moskva, Kolos, 1967. 201 p.

Reducing expenses of grain transportation. V. Povorozhenko, V. Manditsa. *Avto. transp.* 45 no 5 26-27 My '67

GRAIN ELEVATORS see subdivision under Krasnodar Territory; Novorossiysk, Odessa

GRAIN ELEVATORS—EQUIPMENT AND SUPPLIES

In full readiness! A. Chak. *Zakup sel'khoz. prod.* no 2 24-26 F '67

GRAIN ELEVATORS—HEATING AND VENTILATION

Design for creating the normal condition of the content of grain elevators. M. Valisliu, K. Zhebrakov. *Mst. sel'khoz. prom.* 33 no 4 24-25 Ap '67

GRAIN ELEVATORS—MANAGEMENT see subdivision under Latvaya (Voronezh Province), Rostov Province

GRAIN HANDLING see subdivision under Kamenskoye (Ukraine), Kazakhstan

GRAIN TRADE

(see also subdivision under Chichon-Jugush A.S.S.R., Kokchetav Province, Shebekino District, Ukraine)

The best enterprises of the cereal product and the combined food industry. *Zakup sel'khoz. prod.* no 3 10-11 My '67

Costs and profits of grain receiving enterprises. Z. Chubrikova, N. Romanova. *Mst. sel'khoz. prom.* 33 no 5 20-23 My '67

First of May in the anniversary year. *Mst. sel'khoz. prom.* 33 no 5 1-2 My '67

Let us fill the motherland's granaries with grain during the anniversary year. *Zakup sel'khoz. prod.* no 3 1-3 My '67

Preparation for a good future harvest. *Mst. sel'khoz. prom.* 33 no 5 2-3 My '67

GRAIN TRADE—ECONOMIC ASPECTS

Role of profit in economic stimulation. B. Levites, *Mst. sel'khoz. prom.* 33 no 5 23-25 My '67

GRAIN TRADE—MANAGEMENT

(see also subdivision under Dunayevitsy, Ukraine, Matveev-Kurgan, Rostov Province)

Gavrilchenko, D. N. [Use of capital assets in the grain product industry]. *Ispol'zovanie osnovnykh proizvodstvennykh fondov v otasli khleboproduktov*. Moskva, Kolos, 1967. 77 p. (Ekonomika na predpriyatiy khleboproduktov)

GRAIN TRADE—STUDY AND TEACHING see subdivision under Moscow, Novocherkassk

GRAIN TRADE—TECHNOLOGICAL INNOVATIONS

"From the pavilion stands into production." A. Blidman. *Zakup sel'khoz. prod.* no 2 47-49 F '67

GRAMMAR, COMPARATIVE AND GENERAL—SYNTAX

Functional perspective of the sentence in terms of the "supraclausal units." N. I. Selezneva. *Vop. iz.* no 3 92-100 My-Ju '67

Immediate constituency in different syntactic systems. I. I. Meshchenko. *Vop. iz.* no 3 1-17 My-Ju '67

Meshechenko, I. I. [Ergative construction in languages of different types]. *Ergativnaya konstruktsiya v yazykakh razlichnykh tipov*. Leningrad, Nauka, 1967. 247 p.

GRAMMAR, COMPARATIVE AND GENERAL—VERB

Binomial nonverbal sentences. G. A. Velikunin. *Vop. iz.* no 3 101-109 My-Ju '67

GRANARY WEEVIL

Protect grain storage from granary pests. A. Mamullov. *Mst. sel'khoz. prom.* 33 no 4 18 Ap '67

GRANITE see subdivision under Altai Mountains, Baiguzin Valley, Bayat A.S.S.R., Olenguy Valley, Severo-Mayskiy Range; Transbaikalia

GRANITE—ANALYSIS

(see also subdivision under Altai Mountains, Kazakhstan)

Liakhovitch, V. V. [Accessory minerals in granitoids of the Soviet Union]. *Aktsessornye mineraly v granitoidakh Sovetskogo Soyuza*. Moskva, Nauka, 1967. 446 p.

GRANITE INDUSTRY see subdivision under Karelia

GRANITE INDUSTRY—COSTS

Effect of explosive charge diameter on the degree of granite fragmentation. A. A. Sabin. *Zap. LGI* 52 no 1 95-98 '66

GRANOSAN—TOXICOLOGY

Clinical aspects of granosan poisoning. I. I. Alekperov, R. I. Gazanchants, I. U. D. Solodukho. *Azerb. med. zhurn.* 44 no 1 67-71 Ja '67

GRANULAR MATERIALS

Effect of fine particles in one mass on one striking in clutches. V. V. Rzhavetskiy, A. A. Lebedkova. *Nauch. trudy Mosk. inst. radioelektr. i gos. elektromekhn.* no 51: 136-141 '65

Equations of two-dimensional steady movement of a loose medium. I. S. Zagaynov. *Mekh. tver. tela* no 2 188-196 My-Ju '67

GRAPES

Reutilization of calcium by grapevine. T. I. A. Chkvaseli, Sh. Sh. Chantshvili. *Fiziol. drev. rast.* no 2 44-47 '66

GRAPES—DISEASES AND PESTS

(see also subdivision under Georgia)

Erysiphe oidium in vineyards. P. G. Ruminov. *Zashch. rast.* 12 no 5 40-41 '67

GRAPES—VARIETIES see subdivision under Armenia

GRAPH THEORY

Dynamic simulation of network graphs. H. E. Trubkov, V. A. Lapin. *Dop. AN URSR*, Ser. 1 29 no 5 437-438 My '67

Number of edges in a graph of a given radius. V. G. Vizing. *Dokl. AN SSSR* 173 no 6 1215-1216 Ap '67

Sklyadov, N. V. [Calculation of network graphs by the critical path method (RS-SG-D)]. *Raschet setevykh grafov po metodu kriticheskogo puti (RS-SG-D)*. Moskva, 1965. 80 p. (Biblioteka programmi dlya EVM III Upravleniya stroitel'stvom, no. 2)

GRAPHIC METHODS

Analyzing continuous operative graphs relative to the organization of workings in longwalls. I. U. V. Buts. *Izv. vuz. ucheb. zav. gos. zhurn.* 9 no 1 57-60 '66

Graphic method for studying transient enzymatic reactions. M. V. Volkenshtein, R. N. Gol'dshtein, V. I. Stefanov. *Mol. biol.* 1 no 1 52-58 Ja-F '67

GRAPHITE

Anisotropy of graphite reactivity. G. M. Volkov, V. I. Kolugin. *Dokl. AN SSSR* 174 no 1 121-123 My '67

Effect of impurities on the anisotropy of conductivity of graphite and graphitization. D. N. Kharlov. *Mosk. fiz. zhurn.* no 5 23-25 My '67

Investigating new methods of graphite ore breaking. V. V. Supteva. *Nauch. trudy Mosk. inst. radioelektr. i gos. elektromekhn.* no 51 79-82 '65

GRAPHITE ELECTRODES see Electrodes, Graphite

GRASSES

Effect of water extracts of plants on seed germination and early growth of meadow grasses. T. K. Zerkovskiy, S. A. Gelemer. *Bull. MOIP Old biol.* 72 no 2 93-105 My-Ju '67

Productivity of leguminous grasses. I. A. Potcherayev. *Zemledelie* 29 no 3 66-67 My '67

Summer sowing of grasses. M. Likhachenko. *Zemledelie* 29 no 5 61-66 My '67

GRASSES—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the yield and chemical composition of floodland grassland. I. M. Sapozhnik. *Khimiya sel'khoz.* 5 no 6 15-17 Ju '67

GRAVITATION

Application of the method of averaging to the problem of motion of a nonspherical planet in the gravitational field. A. V. Kholshevnikov. *Vest' LGU* 22 no 4 131-154 Ap '67

Is gravitation a class of matter or a form of its existence? M. I. Bykhin. *Filos. probl. such. pyss.* no 6 51-62 '66

Theory of perturbed Kepler motion of a material point in the presence of a small tangential force. A. G. Il'in. *Ukr. mat. zhurn.* 19 no 3 21-28 '67

Upper boundary of possible spin gravitational effects. V. B. Braginskii, L. I. Slabkii, V. K. Martynov. *Vest' Moskov. un. Ser. 3: Fiz., astron.* 22 no 2 122-124 My '67

GRAVITY—MEASUREMENT

(see also subdivision under Ural Mountains)

Determining gravity acceleration at sea. A. V. Chiryshev. *Mosk. shkol.* 50 no 6 71-77 Ju '67

GRAVITY ANOMALIES

(see also subdivision under Ural Mountains)

Possible errors in determining the variable density of the horizontal bed by the gravity anomalies. V. M. Novikov. *Izv. AN SSSR, Fiz. zem.* no 5 54-61 My '67

GRAVITY PROSPECTING

(see also subdivision under Turkmenistan)

Relationship between structural plan of Upper Pliocene and Miocene-Paleogene sediments in the Buzdug-Kaidzha region. A. A. Kerimov. *Izv. vuz. ucheb. zav. nauch. i gar.* 10 no 4 11-13 '67

GRAVITY WAVES

Adiabatics of inner gravity waves in the ionosphere. G. I. Grigor'ev. *Geomag. i aer.* 7 no 1 181-183 '67

GRAY MULLET see subdivision under Black Sea region

GREAT BRITAIN

Osipov, V. D. [Britain in the 1960's]. *Britaniya: 60-e gody*. Moskva, Politizdat, 1967. 302 p. (Zapad raskhkh dnel)

GREAT BRITAIN—DIESEL ENGINES

Construction characteristics of the English "Leland" and "Rolls-Royce" diesel motors. M. K. Kopylov. *Trakt. i sel'khoz. mash.* no 5 41-43 My '67

HEADGEAR

Zamorskaia, N. Ia., and V. I. Grinberg. [Sew your headgear] *Shein golovnye ubory*. Moskva, Legkaya Industriya, 1967. 180 p. diagrs. (Inscr.)

HEALTH RESORTS, WATERING PLACES, ETC

(See also subdivision under Satl, Ukraine, Siberia, Yessentuki)

Results of studying the effectiveness of sanatorium and health resort treatment. V. V. Poltoranov. *Voprosy kurortologii i lech. fiz. kul'* 32 no. 2:156-160 M-Ap '67

HEART

Changes in the reactivity of the heart to substances of laboratory effect in experimental hyperthyroidism in rats. V. V. Gaffurov. *Fiziol. zhur. [Ukr.]* 13 no. 3:313-318 M-Je '67.

Enzymatic activity of myosin B in different regions of the heart. S. S. Oganesian and others. *Kardiologiya* 7 no. 3:119-122 M '67.

Role of sulfhydryl groups in the prevention and elimination of the toxic effect of streptanin on the heart in dogs. A. V. Klykov. *Bull. eksp. biol. i med.* 63 no. 6:55-58 Je '67.

Significance of central monoaminergic mechanisms in the action of pharmacological substances on the reflex function of the heart. N. V. Lavrenko, R. S. Mironov, M. R. Romeno. *Bull. eksp. biol. i med.* 63 no. 6:59-61 Je '67.

HEART—DISEASES

Cerebral processes in congenital defects of the heart; a review of the literature. V. B. Gelfand. *Voprosy kardiologii* 7 no. 2:33-55 M-Ap '67.

Changes in the coagulation and anticoagulation systems of the blood in patients with congenital cardiac defects of the cyanotic type. S. E. Imit, F. I. Zargail, V. E. Tolpakina. *Kardiologiya* 7 no. 3:136-137 M '67.

Changes in the diastasis and chloride excretion under the influence of erysimol in experimental myocarditis. E. I. Ikhmalov. *Dokl. AN Uz. SSR* 23 no. 8:10-12 '66

Clinical and X-ray diagnosis of some congenital heart defects in adults. G. M. Bonk. *Azerb. med. zhur.* 14 no. 3:9-11 M '67.

Correlation between the content of potassium in the myocardium and ECG in cardiac insufficiency. E. I. Sokolov. *Kardiologiya* 7 no. 3:131-133 M '67.

Evaluation of the state of the contractile function of the myocardium in acquired cardiac defects. K. A. Klendarian, N. O. Babadzhanova. *Zhur. eksp. i klin. med.* 7 no. 1:39-50 '67.

Experimental cardiopathies. II, Selyo. *Kardiologiya* 7 no. 3:72-79 M '67.

Some mechanisms of the development of pulmonary hypertension in heart defects. A. A. Vishnovskii and others. *Kardiologiya* 7 no. 3:41-49 M '67.

HEART—HYPERTROPHY AND DILATATION

Cardiac hypertrophy. N. M. Demchenko. *Sud.-med. eksp.* 10 no. 2:10-14 Ap-Je '67.

Strength and rate of the contraction of the myocardium in hypertrophy of the heart caused by experimentally vitamin deficiency and training. F. Z. Merison, L. S. Rozanova. *Pat. fiziol. i eksp. ter.* 11 no. 1:18-22 Ja-F '67.

HEART—INFARCTION

(See also subdivision under Azerbaijan)

Clinical and electrocardiographic characteristics of myocardial infarctions combined with surgical diseases. O. A. Favalina. *Sov. med.* 30 no. 5:92-95 M '67.

Effect of electrolytes on the course of experimental myocardial infarct. A. N. Butuklan. *Kardiologiya* 7 no. 3:130-131 M '67.

HEART—INNERVATION

Cardiac unconditioned and conditioned reflexes following certain forms of arterial hypotension. Kh. A. Gasanov, F. G. Privedicva. *Izv. AN Azerb. SSR. Ser. biol. nauk* no. 6:117-122 '66.

Effect of a physiologically active substance exerted by frog heart under the influence of adrenaline on the sensitivity of adrenoceptors of the myocardium. T. G. Putimbeva. *Fiziol. zhur.* 53 no. 5:550-556 M '67.

HEART—MUSCLE

Focal lesions of the myocardium in Berson-Cushing disease, electromyographic study. E. L. Kilinski, A. I. Bukhman. *Kardiologiya* 7 no. 3:103-106 M '67.

Study of the contractile function of the myocardium in surgical treatment of coronary insufficiency. S. B. Feldman, B. M. Kogan. *Zhur. eksp. i klin. med.* 7 no. 1:51-60 '67.

HEART—PARASITES

Sarcocysts of reindeer heart. M. I. Klimontov. *Trudy Nauch.-issl. inst. sel'khoz. Kraia Sov.* 13:101-105 '66.

HEART—SOUNDS

Methodology of recording the enchord phonocardiogram. Z. Januskevicius, G. Vitensteinas, K. Valuzis. *Kardiologiya* 7 no. 3:115-118 M '67.

HEART—SURGERY

Surgical treatment of left atrioventricular orifice during pregnancy. S. V. Palatovich. *Sob. AN Gruz. SSR* 46 no. 1:255-259 Ap '67.

HEARTBEAT

Analysis of the biophysical phase of the effect of atropine on the heart in dogs. I. I. Arshavskaya, S. I. Enikeeva. *Bull. eksp. biol. i med.* 63 no. 6:68-71 Je '67.

Change in the structure of the systole of the right cardiac ventricle during cooling. V. A. Potovskii. *Bull. eksp. biol. i med.* 63 no. 6:18-21 Je '67.

Determination of the systolic index in dogs. A. I. Iladova. *Fiziol. zhur. [Ukr.]* 13 no. 3:397-398 M-Je '67.

Evaluation of the state of the contractile function of the myocardium in acquired cardiac defects. K. A. Klendarian, N. O. Babadzhanova. *Zhur. eksp. i klin. med.* 7 no. 1:39-50 '67.

Strength and rate of the contraction of the myocardium in hypertrophy of the heart caused by experimental vitamin deficiency and training. F. Z. Merison, L. S. Rozanova. *Pat. fiziol. i eksp. ter.* 11 no. 1:18-22 Ja-F '67.

HEAT—BOUNDARY VALUE PROBLEMS

Effective boundary conditions in steady-state heat conduction problems. V. S. Rivin. *Inzh.-fiz. zhur.* 12 no. 1:510-511 Ap '67.

HEAT—CONDUCTION

Approximate solutions to the heat conduction equation for a two-layer plate with sublimation of the material on the outer surface. P. P. Smyslov. *Inzh.-fiz. zhur.* 12 no. 1:151-154 Ap '67.

Heat conductivity of multicomponent mixtures. G. N. Dull'nev, I. P. Zaitchuk. *Inzh.-fiz. zhur.* 12 no. 4:418-425 Ap '67.

Size effect on the thermal conductivity of crystalline HeI samples. I. P. Mezhev-Beglin. *Zhur. eksp. i teor. fiz.* 52 no. 1:866-870 '67.

[Studies on heat conduction]. Issledovaniya po teploprovodnosti. Pod obshch. red. A. V. Lykova i B. M. Smol'skogo. Minsk, Nauka i tekhnika, 1967. 575 p.

Temperature fields of nuclear fuel elements with liquid-metal coolants. V. I. Subotin and others. *Atom. energ.* 22 no. 5:172-178 M '67.

Variational principles for problems of nonsteady-state heat conduction. I. A. Anol. *Inzh.-fiz. zhur.* 12 no. 4:465-468 Ap '67.

HEAT—TRANSMISSION

Automatic control of temperature of heat carriers in heating boilers with return and hot water mixing. L. I. Genkin. *Nauch. trudy AKKH* no. 78: Tepl. gos. no. 2:150-157 '65.

Automatic control of thermal conditions in tunnel furnaces. I. I. Skasnov, L. M. Shal'man, N. S. Dmitriyenko. *Onepriyozh.* 32 no. 5:10-21 M '67.

Burnik, V. M. [Heat transmission in marine power plant]. *Teploperedacha v sudovyykh energeticheskikh ustanovkakh*. Leningrad, Sudostroyeniye, 1967. 370 p.

Calculating the temperature in the active zone of a reactor under a random distribution law of heat release on the basis of zone height. V. T. Minashin, A. A. Sholobov, I. I. Gubanov. *Atom. energ.* 22 no. 5:362-366 M '67.

Critical characteristics of self-exciting cavity. S. I. Shevtsov. *Izv. vyzn. ucheb. zav. fiz.* no. 4:149-151 '67.

Determination of the coefficients of heat transfer from a fluidized bed to a cylindrical thermal sound. A. P. Baskakov, G. K. Malkov. *Khim. prom.* 12 no. 6:27-28 Je '66.

Effect of adjacent vapor-generating sections of a channel on the intensity of the critical heat flux in forced liquid flow in channels. A. A. Ivashkevich. *Inzh.-fiz. zhur.* 12 no. 1:535-537 Ap '67.

Effect of the design of the gas distribution device and mechanical mixing of the fluidized bed on its heat transfer. E. N. Gelfperin, R. S. Fraiman, V. P. Volkov. *Khim. prom.* 42 no. 6:64-66 Je '66.

Gukhman, A. A. [Application of the theory of similitude to the study of heat-mass exchange processes; transfer processes in a moving medium]. *Primenenie teorii podobnosti k issledovaniyu protsessov teplo-massobmena; protsessy peremosa v dvizhushchetsya sreda*. Moskva, Vysshaya shkola, 1967. 302 p.

Hardening of glass by controlled liquid tempering. I. A. Bogdanovskii. *Dokl. AN SSSR* 173 no. 6:1298-1301 Ap '67.

Heat balance of a 2, 7-ton ingot. A. G. Tsiapunov, I. D. Smirnov, V. N. Daviduk. *Teor. i prakt. mel.* no. 7:69-82 '64.

Heat exchange between gas and solid particles during fluidization in a field of centrifugal force. N. I. Gelfperin and others. *Khim. prom.* 42 no. 6:58-62 Je '66.

Heat exchange between particles and the environment in a fluidized bed. I. U. Binder, N. B. Kondukov. *Khim. prom.* 42 no. 6:29-31 Je '66.

Heat exchange in flow of viscous fluids between two parallel plates. V. M. Mekhtiev, M. A. Melikov. *Izv. vyzn. ucheb. zav. i nefi i gaz* 9 no. 11:79-81 '67.

Heat exchange in turbulent flow of gas near rough walls. N. M. Galin. *Teploenergetika* 14 no. 5:66-72 M '67.

Heat transfer in turbulent flow of gas in round pipes. B. S. Petukhov, L. I. Reizen. *Izv. AN SSSR. Energ. i transp.* no. 1:107-112 Ja-F '67.

Material and heat balance in furnace performance for the smelting of titanium slags. L. I. Lukalova and others. *Tsvet. met.* 10 no. 5:60-72 M '67.

Mechanism of heat exchange between the surface and the inhomogeneous fluidized bed of granular materials. N. I. Gelfperin, V. G. Ainshteyn, A. V. Zaitkovskii. *Khim. prom.* 12 no. 6:18-26 Je '66.

Quasi-stationary condition in radiationally-convective heating of bodies. V. V. Ivanov, V. V. Salomatov, V. M. Chikhovich. *Izv. AN SSSR. Energ. i transp.* no. 1:127-129 Ja-F '67.

Study of local heat transfer from the wall of a pipe to a turbulent gas flow carrying suspended solid particles. A. S. Sukhomel, I. P. Tsvetkov, R. V. Keimov. *Teploenergetika* 14 no. 2:77-80 F '67.

Study of the effect of mass transfer on heat transfer in the case of sublimation in a forced gaseous medium for Couette flow. P. A. Novikov, B. M. Smol'skii. *Inzh.-fiz. zhur.* 12 no. 4:433-439 Ap '67.

Studying a heat-treatment car-bottom furnace with intensive recirculation of combustion products. I. A. Goldman and others. *Kozh.-sham. proizv.* 9 no. 4:36-10 Ap '67.

HEAT ENGINEERING

Gerasimov, S. G. [Theoretical fundamentals of automatic regulation of thermal processes]. *Teoreticheskie osnovy avtomaticheskogo regulirovaniya teplovyykh protsessov*. Moskva, Vysshaya shkola.

Pt. 1. [General theories and concepts]. *Obshchie polozheniya i ponyatiya*. 1967. 206 p.

Hussein (U.S.S.R.). Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations]. *Stroitel'nyye normy i pravila*. Moskva, Stroitelzdat.

Pt. 2. Sec. A, Ch. 7. [Structural heat engineering; design standards]. *Stroitel'naya teploekhnika, normy proektirovaniya*. SNIP II-A-7-62. 1964. 29 p.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur. 'Teploenerg. no. 6 Je '67.

HEAT ENGINEERING—GRAPHIC METHODS

Graphic method for heat engineering calculations in the simultaneous combustion of three gaseous fuels. E. G. Klefodt, I. A. M. Shchetokov. *Gaz. deto* no. 5:30-34 '67.

HEAT ENGINEERING—LABORATORY MANUALS

Anisimova, T. M., and N. V. Polapova. [General heat engineering]. *Obshchaya teploekhnika*. Leningrad, Pt. 2. [Laboratory manual]. *Posobie po laboratornym rabotam*. 1967. 73 p.

HEAT ENGINEERING—STUDY AND TEACHING

Characteristics of the thermal power engineering profile and some general problems in the choice of vocational training in secondary schools. L. A. Volkovskii. *Nov. teat. v ped. nauk.* no. 1:151-159 '65.

HEAT EXCHANGERS

Changing the construction of pipe gratings of multipass shell-and-tube heat exchangers. L. I. Mamou and others. *Khim. prom. Ukr.* no. 3:31-32 M-Je '67.

Device for automatic registration of temperature differences in studying heat exchangers. P. I. Pinski. *Energomashinostroyeniye* 13 no. 1:43-45 Ja '67.

Dolbin, N. P. [Heating elements of reactors (in chemical industries)]. *Nagrevatel'nye elementy reaktornykh apparatov (v khimicheskikh proizvodstvakh)*. Moskva, Mashinostroyeniye, 1967. 146 p.

Heat exchanger made of a heat insulator. O. Zholondkovskii. *Inzh.-fiz. zhur.* no. 11:14-15 N '66.

Method for approximate determination of the coefficient of heat transfer in pipes. G. M. Kondrat'ev, A. V. S. A. Said-Khodzhayev. *Dokl. AN Uz. SSR* 23 no. 6:14-17 '66.

Use of a tubular heat exchanger with a fluidized bed for the heating of nepheline pulp. I. U. Khvastukhin, A. T. Fischenko, V. S. Sazhin. *Khim. prom.* 42 no. 6:56-57 Je '66.

HEAT EXCHANGERS—DESIGN AND CONSTRUCTION

Promising graphite heat exchangers. L. S. Kanevskii, B. S. Smirnovskii. *Tsvet. met.* 40 no. 4:66-68 Ap '67.

HEAT OF ADSORPTION

Heat of adsorption of benzene and hexane on an aluminosilicate catalyst. A. A. Ibrakhan and others. *Vest. Moskv. un. Ser. 2: Khim.* 22 no. 2:9-13 M-Ap '67.

HEAT OF DECOMPOSITION

Using the amalgam decomposition energy on horizontal mercury electrolysis. B. A. Ialovenko. *Khim. prom. Ukr.* no. 3:30-33 M-Je '67.

HEAT OF SOLUTION

Solubility and heat of solution of nitrogen in gamma-iron. I. N. Milinskaya, I. A. Tomilin. *Dokl. AN SSSR* 174 no. 1:131-138 M '67.

HEXANE

Catalytic dehydrocyclization of n-hexane on aluminumphthalate catalyst under pulsed operating conditions. *Izv. Vses. Nauch.-Issled. Inst. Khim. Akad. Nauk SSSR* 1967, no. 5:1121-1126. My '67.

HEXENE

Isomerization of hexenes from tributyltin compounds. *Fiz. Khim. i Mekh. Akad. Nauk SSSR* 1967, no. 5:1172-1175. My '67.

HIALAL HERNIA

Correlation of traumatic right-sided diaphragmatic hernia with pregnancy. *Izv. Vses. Nauch.-Issled. Inst. Khim. Akad. Nauk SSSR* 1967, no. 5:1177-1178. Ap '67.

HIGH ENERGY FORMING—EQUIPMENT AND SUPPLIES

Studying airflows in the piston rod of a high velocity engine without axial. *N. M. Soldatov, Kuz. Mashinostroenie* 1967, no. 5:28-31. My '67.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH PRESSURE RESEARCH

Effect of nutrient medium on tolerance of halotolerant bacteria to high pressures. *A. F. Kiselev, I. N. Mitin, L. V. Kiseleva, Mikrobiologiya* 1967, no. 5:217-225. My '67.

Prospects for high pressure application in organic synthesis. *B. S. Pivovarov, M. G. Konikberg, Izv. AN SSSR Ser. Khim.* 1967, no. 5:1044-1050. My '67.

HIGH-SPEED AERONAUTICS

Most favorable shape of lifting bodies at hypersonic speeds. *G. I. Mal'papor, Izv. AN SSSR, Mekh. Zhid. i Gaz. A* no. 2:36-47. My '67.

HIGH TEMPERATURE MATERIALS see Materials at high temperatures

HIGH TEMPERATURES

Thermodynamic calculation of high-temperature operating processes. *G. M. Shchegolev, Teploenergetika* 1967, no. 2:88-94. My '67.

HIGHER EDUCATION see Education, Higher

HILBERT SPACE

Approximate solution of linear operator equations in Hilbert space using the method of least squares. *I. A. Z. V. V. Ivanov, V. I. Kudrinskii, Zhur. vych. mat. i mekhan.* 1967, no. 3:475-496. My '67.

HINDUS see subdivision under Soviet Central Asia

HINDUSTAN—GEOLOGY

Geology of the Sulaiman and Kithira Ranges and the adjacent part of the Himalayan Plateau. *B. A. Sokolov, Vest. Mosk. un. Ser. I Geol.* 1967, no. 2:21-31. My '67.

HIP JOINT—CANCER

Clinical and X-ray characteristics of a persistent malignant synovialoma. *S. I. Vinogradov, R. A. Melnikov, V. G. Bukalishnikov, Vest. khim.* 1967, no. 1:128-129. Ap '67.

HIPPOPARATHYRUM

Embryology of *Hippoparathyrus caspius* (D. C.) Giosch, family Umbelliferae. *I. E. L. Kordium, Uch. zap. zhur.* 1967, no. 3:33-39. My '67.

HISTAMINE

Content of histamine and the activity of histaminase in the blood of workers in chlorine chlorine poisoning. *E. I. Gasparian, Zhur. eksp. i klin. med.* 1967, no. 1:33-38. My '67.

HISTAMINE—PHYSIOLOGICAL EFFECT

Effect of histamine on pepsin secretion in man. *A. A. Fisher, Fiziol. zhur. [Ukr.]* 1967, no. 3:405-408. My '67.

HISTAMINE IN THE BODY

Free histamine content changes in tissues of rats irradiated with high-energy protons, gamma rays and fission neutrons. *I. U. B. Kudrinskii and others, Nauch. dokl. vys. shkoly, biol. nauki* 1967, no. 4:61-63. My '67.

HISTIDINE

Relationship between borates and imidazole group of histidine residue in active α -chymotrypsin center. *I. V. Berezina and others, Mol. biol.* 1967, no. 3:425-435. My '67.

HISTOCHEMISTRY

Chemical cell composition in continuous *Bacterium megaterium* culture. *I. I. Ivanova, Z. V. Sakharova, N. D. Teresimskii, Mikrobiologiya* 1967, no. 2:253-258. My '67.

HISTOLOGY—CONGRESSES

Review of the work of the 7th All-Union Congress of Anatomists, Histologists and Embryologists, Tiflis, June 6-13, 1966, conclusion. *I. Sh. Gerlovin, G. D. Rokhina, Arzh. anal., gist. i embriol.* 1967, no. 5:97-110. My '67.

HISTORICAL FICTION—HISTORY AND CRITICISM

Steps of history. *L. Zhuk, Voprosy knizhn. i zhizni* 1967, no. 2:25-27. My '67.

HISTORICAL MUSEUMS

(see also subdivision under Bausha, Latvia; Sverdlovsk, Vladimir Province)

The first study group of artists and decorators of museums of local history held in Moscow. *T. K. Strizhenova, Trudy NIIM* 1967, no. 1:190-192. My '67.

HISTORICAL RESEARCH

(see also subdivision under Chuvashia, Croatia, Poland, Ukraine)

Brief news. *Voprosy, ist. KPSS* 1967, no. 6:155-158. Je '67.

HISTORY

Brief notes. *Voprosy* 1967, no. 5:207. My '67.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—PHILOSOPHY

Is this a real discovery? A critical evaluation of C. O. Reissner's book "A new look at modern history". *L. A. Bereznyi, Voprosy* 1967, no. 5:70-81. My '67.

HISTORY—STUDY AND TEACHING

History studies in evening (shift) schools in the 1967/68 school year. *Vychisl. shkola* 1968, no. 3:69. My '67.

HODGKIN'S DISEASE

Deviation in the activity of some blood enzymes following lymphogranulomatosis in children. *A. K. Ustinovich, D. A. Krut'yan, Vest. AN BSSR Ser. biol. nauch.* 1967, no. 2:109-110. My '67.

Immunohematological changes in the marrow in acute leukemia and lymphogranulomatosis. *N. L. Sinikava, V. P. Dygin, Probl. goim. i patol. krovi* 1967, no. 5:20-24. My '67.

HODOGRAPH

Transformation of hodographs in one-dimensional problems in magnetohydrodynamics involving viscous fluids. *V. P. Koryukov, Mag. gidr.* 1967, no. 1:57-59. My '67.

HOISTING MACHINERY—DYNAMICS

Determining actual machining time for running a lifting tool in well completion. *G. M. Shakhmatov, S. M. Tagiev, S. A. Rad'habov, Izv. vuzov. zav. nauch. i tekhn. nauch.* 1967, no. 1:38-40. My '67.

The second problem in the dynamics of imponderable string of variable length at multistage starting. *I. P. Shumilanskii, Fiz. i mekhan.* 1967, no. 5:17-28. My '67.

HOISTING MACHINERY—ELECTRIC DRIVING

Test results of an experimental specimen of synchronous electric drive for drilling rig drive works. *L. I. Shumakov, B. M. Shkol'nikov, V. M. Shchegolev, Mash. i elektromekhan.* 1967, no. 1:10-24. My '67.

HOISTING MACHINERY—NOISE

Noise abatement during the operation of the S-100 hoist tractor. *G. M. Ait-Zade and others, Za tekhn. prog.* 1967, no. 2:33-34. My '67.

HOLLAND see Netherlands

HOLMIUM ISOTOPES—SPECTRA

Values of the reduced magnetic dipole transition probabilities in ^{165}Ho . *I. A. Berson and others, Izv. AN SSSR Ser. fiz.* 1967, no. 1:556-559. My '67.

HOLMQUISTITE

Crystallochemical characteristics of holmquistite, a lithium gadolite. *V. V. Goidenko, Zap. Vses. min. ob-va* 1967, no. 1:51-57. My '67.

HOLOGRAPHY

Production of Fourier holograms by means of a ruby laser. *A. L. Mikolaitis and others, Fiz. i tekhn. zhur. eksp. i teoret. fiz.* 1967, no. 5:148-150. My '67.

HOME ECONOMICS—STUDY AND TEACHING

The curriculum in home economics and servicing trades. *N. K. Ponomareva, Shkola i prof. nauch.* 1967, no. 5:16-18. My '67.

HOMOLOGY THEORY

Algebraic homology classes on algebraic manifolds. *B. G. Moishezon, Izv. AN SSSR Ser. mat.* 1967, no. 2:225-228. My '67.

Space components of perfectly continuous vector fields. *V. V. Nikolaishvili, Soob. AN Gruz. SSR* 1967, no. 1:19-26. Ap '67.

HONING

Optimum specific pressures in diamond honing. *V. I. Sotnik, A. D. Mustafayev, Izv. vuzov. zav. nauch. i tekhn. nauch.* 1967, no. 1:100-114. My '67.

HOOFES

Morphological structure of the hoof head of reindeer during seasons. *N. S. Kremnev, Trudy Nauch.-Issled. Inst. sel'khoz. Khim. Sov.* 1967, no. 1:170-182. My '67.

HOOFES—SURGERY

Surgical treatment of the suppurative arthritis of coffin joints in reindeer. *A. Kh. Laishev, Trudy Nauch.-Issled. Inst. sel'khoz. Khim. Sov.* 1967, no. 1:25-28. My '67.

HOOKS

Determination of stresses on hook during motion of drill pipe in slant wells with three-dimensional deviation. *D. M. Makhludov, Izv. vuzov. zav. nauch. i tekhn. nauch.* 1967, no. 1:15-18. My '67.

HOOKWORM DISEASE

Elimination of ankylostomiasis in the USSR. *G. M. Marushchik, Med. parazit. i para. bol.* 1967, no. 2:131-138. My '67.

HOPPERS

From work practices in operating a dump hopper. *N. Sidorov, B. Bakmetev, Nauch. i tekhn. nauch.* 1967, no. 1:35-36. My '67.

HORNLENDE

Correlation between principal lines of hornblende and their effect on optical properties of minerals. *E. P. Kallman, Zap. Vses. min. ob-va* 1967, no. 2:170-182. My '67.

HORSES

The horse retained home. *I. D. Shaposhnikov, Priroda* 1967, no. 1:127. Ap '67.

HORSES AS LABORATORY ANIMALS

Efficient utilization of horses producing antitoxins serum. *G. M. Mikhailova and others, Trudy Mosk. nauch.-Issled. inst. v. z. i s. v.* 1967, no. 1:187-192. My '67.

HOSE—MAINTENANCE AND REPAIR

Repairing high pressure hoses. *P. Bobukh, Tekhn. i sel'khoz.* 1967, no. 1:77-78. My '67.

HOSIERY INDUSTRY see subdivision under Ukraine

HOSPITAL PHARMACIES

Mechanism of labor-consuming processes in inter-hospital and hospital pharmacies. *G. I. Panchenko, A. V. Anisheva, M. I. Kochetova, Farmatsiya* 1967, no. 2:11-20. Ap '67.

HOSPITALS, MILITARY

Inflated constructions for field hospitals. *V. S. Nekhludov, N. P. Stepanov, Voen.-med. zhur.* 1967, no. 5:85-87. My '67.

HOT-WATER HEATING

Automatic control of temperature of heat carriers in heating boilers with return and hot water mixing. *I. I. Gerkin, Nauch. i tekhn. nauch. i tekhn. nauch.* 1967, no. 1:150-157. My '67.

Operational characteristics of various hot-water heating systems in intermittent regime. *V. A. Shmidt, Nauch. i tekhn. nauch. i tekhn. nauch.* 1967, no. 2:5-20. My '67.

Studying the operation of hot-water supply systems in direct water consumption. *G. I. Boudin, Nauch. i tekhn. nauch. i tekhn. nauch.* 1967, no. 2:65-79. My '67.

Testing plastic pipes for heating systems of buildings. *M. G. Sukharev, I. A. Gerasimova, Nauch. i tekhn. nauch. i tekhn. nauch.* 1967, no. 2:133-139. My '67.

HOT-WATER HEATING—COSTS

Analyzing the cost of heat produced by city block and district boiler houses. *E. B. Stolpner, M. G. Gel'man, Nauch. i tekhn. nauch. i tekhn. nauch.* 1967, no. 2:21-32. My '67.

HOURS OF LABOR

(see also subdivision under Armenia, Azerbaijan, Donetsk Province, Kazakhstan, States, Zaporozh'ye, Zerkovsk)

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSING

HOUSE FURNISHINGS

Abramov, P.R., and V.G. Zaitsev. [Study of metal household articles and electric household appliances] *Tovarovedenie metallokhovizistvennykh i elektroybytovykh* *tovarov*, Izd 3, dop. i perer Moskva, Ekonomika, 1967, 327 p.

HOUSEHOLD APPLIANCES, ELECTRIC

(see also subdivision under Lvov)

Abramov, P.R., and V.G. Zaitsev. [Study of metal household articles and electric household appliances] *Tovarovedenie metallokhovizistvennykh i elektroybytovykh* *tovarov*, Izd 3, dop. i perer Moskva, Ekonomika, 1967, 327 p.

Filippov, A.F., and I.A. Kosogladov. [Study of electrical goods and household machines] *Tovarovedenie elektroybytovykh mashin* Moskva, Ekonomika, 1967, 156 p.

HOUSEHOLD SANITATION

see Sanitation, Household

HOUSING

Correspondence with readers *Izvestiya* 35 no. 1150 Ja '67.

HOUSING—LAW AND LEGISLATION

Answering our readers' questions *Sov. mest* 71 no. 32 My '67.

Exchange of rooms and apartments *Izv. vyz. ucheb.* *zav.* *no. 1* 122-126 Ja '67.

In the Supreme Court of the U.S.S.R. *Sots. zakon*, no. 30-31 My '67.

Judicial examination of housing conflicts. V. I. Khusova, Nauch. trudy Tash. GU no. 219 *Izid. nauki* no. 10/61-71 '63.

HOUSING, COOPERATIVE

see subdivision under Ukraine

HOUSING MANAGEMENT

(see also subdivision under Moscow, Tashkent)

Are the party organizations of resident managers' offices taking advantage of their rights to control the work of the administration? *Part. zhurnal* no. 10 50-51 My '67.

HOUSING MANAGEMENT—ACCOUNTING

see subdivision under Moscow Province

HUGO, VICTOR MARIE, 1802-1885

Victor Hugo, Pierre Feryon, and the "symbolist styles." R. Reyon, *Izv. AN SSSR Ser. lit. i is.* 26 no. 2 11-120 Mi-Ap '67.

HULLS (NAVAL ARCHITECTURE)

Studying stress concentration in discontinuous hull frames G. V. Boftsov, E. B. Volkova, G. V. Mal'kozov *Sudostroyeniye* 57 no. 3, 11-20 Mi '67.

HUMAN ANATOMY

see Anatomy, Human

HUMAN EMBRYOLOGY

see Embryology, Human

HUMANISTIC EDUCATION

see Education, Humanistic

HUMIC ACID

Composition of humic acids of fusainous brown coals. R. M. Krayev, Z. A. Humantskaya, V. S. Pechenskaya *Dokl. AN Tash. SSR* 10 no. 3, 22-26 Ja '67.

HUMIDITY

Effect of random atmospheric heterogeneities on accuracy of radio geodetic measurements. O. A. Morzhukhin *Inzh. geod.* no. 1 42-45 '65.

Evaluation of accuracy in determining turbulent currents of heat and moisture based on temperature and air humidity at 2-m. height. A. A. Levenko, *Trudy UkrNIGMI* no. 62 123-138 '66.

Improved methodology of calculation of heat and moisture flows based on temperature and air humidity at 2-m. height. A. A. Levenko, *Trudy UkrNIGMI* no. 62 97-123 '66.

Processing methods for determination of constituents of water balance based on observation data on meteorological stations. N. I. Arifkhova, A. R. Konstantinov, *Trudy UkrNIGMI* no. 62 20-36 '66.

Role of constituents of heat and water balance in formation of physiogeographical medium. L. I. Sakali, L. N. Sakali, *Trudy UkrNIGMI* no. 62 37-48 '66.

Statistical study of correlation equation of heat and water balance on active surface of land. O. A. Drozdov *Vest. LGU* 22 no. 6 17-27 Mr '67.

Taking into account delay in daily and seasonal variation of temperature and air moisture at 1-m. height. A. A. Levenko, *Trudy UkrNIGMI* no. 62 95-98 '66.

HUMIDITY—MEASUREMENT

Basics for the accuracy of measurements of temperature and humidity in the free atmosphere. I. T. Mal'cev, *Meteor. i gidrol.* no. 6 21-28 Je '67.

HUMUS

(see also subdivision under Sal'yany Steppe)

Effectiveness of supplementary nitrogen fertilizer for winter rye as related to the humus content in soil. E. I. Grigor'ev, T. I. Ivanova, *Khuz. v sel. khoz.* 5 no. 5 7-8 '67.

Resources of terrestrial and subterranean organic matter in desert-subarctic communities. I. G. Ruzdakov *Dokl. Akad. Nauk SSSR* 167 no. 5 760-765 My '67.

Role of tree species in determining the chemical characteristics of podzolic soils in the taiga zone. H. D. Zolotarev, *Vest. sel'khoz. nauki* 12 no. 5 43-45 Mi '67.

HUNGARY—BIBLIOGRAPHY

(New literature on Hungary) *Nov. lit. po Veng.* no. 6 '67.

HUNGARY—COMMERCE—RUSSIA

In the interest of fraternal peoples. G. Boldzhar *Vozh. toig* 47 no. 1 27-29 '67.

HUNGARY—DESIGN, INDUSTRIAL—STUDY AND TEACHING

Training industrial designers in Hungary. F. Pogany, *Tekhn. est.* 4 no. 3 7-10 Mr '67.

Training of industrial designers in Hungary. F. Pogany, *Tekhn. est.* 4 no. 4 21-25 Ap '67.

HUNGARY—HAY

Preparation of vitamin rich grass meal by the LKH-IT unit. I. Dubinin, K. Kabanov, *Tekhn. v sel'khoz.* 27 no. 6 77-78 '67.

HUNGARY—INCENTIVES IN INDUSTRY

Bagola, Bela, and Tibor Halai. [Management and material incentives in Hungarian industry] *Upravlenie i material'noe stimulirovaniye v promyshlennosti Vengrii*. Moskva, Ekonomika, 1967, 94 p.

HUNGARY—INDUSTRIAL MANAGEMENT

Bagola, Bela, and Tibor Halai. [Management and material incentives in Hungarian industry] *Upravlenie i material'noe stimulirovaniye v promyshlennosti Vengrii*. Moskva, Ekonomika, 1967, 94 p.

HUNGARY—LABOR AND LABORING CLASSES

György, Istvan. [They stride into the future; essays on the socialist labor brigades of the Hungarian People's Republic. Translated from the Hungarian] *Oni shagaliut v zavtra; ocherki o brigadakh sotsialisticheskogo truda Vengerskoi Narodnoi Respubliki* [Moskva] *Proizdat*, 1967, 109 p.

HUNGARY—MOTORBUS INDUSTRY

Five wings of "Ikarus." S. Zavalzhskii *Izvestiya* 35 no. 1154 Ja '67.

HUNGARY—SOCIALIST COMPETITION

György, Istvan. [They stride into the future; essays on the socialist labor brigades of the Hungarian People's Republic. Translated from the Hungarian] *Oni shagaliut v zavtra; ocherki o brigadakh sotsialisticheskogo truda Vengerskoi Narodnoi Respubliki* [Moskva] *Proizdat*, 1967, 109 p.

HUNGARY—TRADE UNIONS

At the house on Dozsa Avenue, correspondence from Budapest. M. Popov, *Nov. veng.* 25 no. 21 18-19 My '67.

HUSBAND AND WIFE

We are discussing the problem of women, family, and society. *Sem. i shkola* 22 no. 5 9-11 My '67.

HYBRID CORN

see subdivision under Alma-Ata Province

HYDATES

(see also subdivision under Ternopol' Province; Uzbekistan)

Epizootic of echinococcosis in reindeer. V. I. Mikhovich, *Trudy Nauch. -issl. inst. sel'khoz. Krain.* Sev. 13 197-111 '66.

HYDRANTS

Feasible subsurface hydrant water outlet. A. Rabonovich, *Tekhn. v sel'khoz.* 27 no. 6 21-23 '67.

HYDRATION

Spectroscopic study of ion hydration in solutions. Part 1. Interaction of ions with nearest water molecules in organic medium. I. S. Pereygin, N. R. Safullina *Zhur. strukt. khim.* 8 no. 2 205-211 Mr-Ap '67.

Study of the structure of aquapoly compounds by means of proton magnetic resonance. Part 1. Molybdates and tungstates of calcium. V. V. Mark and others. *Zhur. strukt. khim.* 8 no. 2 227-232 Mi-Ap '67.

HYDRAULIC CONTROL

Increasing the reliability of the control of the productivity of blast furnace turbo blowers. I. N. Chernikhovskii, *Emergomashinostroyeniye* 13 no. 4 25-28 Ap '67.

Invariant servo drive with slide valve (choke) control of the hydraulic motor. V. N. Iavorskii, *Izv. vyz. ucheb. zav. elektromekhn.* no. 5 554-562 My '67.

Principles of the construction of optimal automatic flow distribution systems in hydraulic networks. A. A. Volkov, *Prib. i sist. avtom.* no. 4 133-138 '66.

Smanser, A. I. [Hydraulic automatic remote control of the PM-6 main steam engine, abstract of lectures] *Otdel'nyeskoie avtomaticheskoe distantsionnoe upravleniye glavnoi parovoi mashinoy PM-6, konspekt lektsii*. Moskva, Transport, 1966, 54 p.

Studying transducers of various design. A. F. Kagan and others. *Kur. shkoly prom.* 9 no. 1 33-36 Ap '67.

HYDRAULIC ENGINEERING

Calculation of infiltrated water intakes under a riverbed. V. M. Grigor'ev, *Trudy VODGEO* no. 13 66-83 '66.

Choice of the composition of asphalt solution and asphalt concrete in hydraulic engineering. V. A. Tshuk, *Mos. pol. nauch. trudy* no. 2 123-126 '66.

Evaluation of the productivity of bank water intakes, taking into account the irregularity of the river beds. F. M. Borcheva, *Trudy VODGEO* no. 13 84-115 '66.

Method for the calculation of underground water intakes and critical drainage in a semilimited aquifer. N. V. Vargin, V. S. Sarkisyan, *Trudy VODGEO* no. 13 116-117 '66.

Use of nuclear radiation and radioisotopes. A. F. Rodik, *Gidromet.* 16 no. 5 120-121 My '67.

HYDRAULIC ENGINEERING—ACCOUNTING

see subdivision under Willie Russia

HYDRAULIC ENGINEERING—CONGRESSES

The 11th scientific and technological conference of young specialists. A. I. Beizer, *Gidromet.* 19 no. 4 116-117 Ap '67.

HYDRAULIC ENGINEERING—SCHEDULING

Method of network, schedule planning and management of construction work in marine hydraulic engineering. G. I. Tshubin, *Mos. pol. nauch. trudy* no. 2 113-123 '66.

HYDRAULIC ENGINES

Driving hydraulic engines using hydraulic systems of tractors. E. Butykin, F. Krutkov, *Tekhn. v sel'khoz.* 27 no. 5 82-84 '67.

Effect of parameters and shape of the cam gear of a radial-flow piston hydraulic engine on the mechanical efficiency. M. I. Lovtsov, *Izv. vyz. ucheb. zav. mashinost.* no. 3 14-19 '67.

HYDRAULIC FILLING

Distribution of the density of one-sided hydraulic fill. L. I. Rus'kin, L. G. Zhukov, *Gidromet.* 19 no. 5 45-19 My '67.

HYDRAULIC JACKS

Investigating mechanical properties of carnallite in rock massifs with the aid of DS-1 hydraulic jack. V. M. Bar'povskii, V. L. Vodop'yanov, L. Kh. Gabbakhimov, *Nauch. trudy PermNIUI* no. 7 273-280 '64.

2.5 ton capacity hydraulic jacks. L. I. Beizer, *Stroitel. dor. mash.* 12 no. 1 25-27 Ji '67.

HYDRAULIC MACHINERY

Economic expediency of using hydraulic clutches in feed pump drives. A. N. Turkin, *Teploenergetika* 14 no. 2, 60-66 Ja '67.

Precise calculation of a plane cascade of solid profiles using a singularity technique. C. V. N. Rno, *Emergomashinostroyeniye* 13 no. 1 35-38 Ap '67.

Selection of optimal value of nominal slippage of a hydraulic clutch. A. N. Turkin, *Emergomashinostroyeniye* 13 no. 1 20-22 Ja '67.

Specimens in handling new commercial-type hydropulsors. I. U. Tshubikov, *Zav. lab.* 33 no. 3 369-372 '67.

HYDRAULIC MACHINERY—DESIGN AND CONSTRUCTION

Advantages of flow from nozzles with insertion of an air tube. V. I. Izakson, E. A. Sigarev, V. D. Kolchakov, *Flz. -tekh. probl. ra. rab. pul. iskop.* no. 1 110-116 Ja '67.

HYDRAULIC MEASUREMENTS

Coefficient of transition from surface velocities to mean ones. A. G. Frolova, *Meteor. i gidrol.* no. 4 105-106 Ap '67.

Using range thermopneumometer in radio geodetic measurements. O. A. Morzhukhin, *Inzh. geod.* no. 1 34-41 '65.

HYDRAULIC MINING

(see also subdivision under Kursk Magnetic Anomaly) Working the Pokrovskoye deposits of carbonate manganese ores by hydraulic mining. M. G. Novozhilov, V. S. Eskin, G. L. Sereda, *Mel. i gorod. prom.* no. 2, 69-71 Mr-Ap '67.

HYDRAULIC MODELS

Hydraulic calculation of gating systems for stone casting. I. G. Kovalev, V. A. Chechulin, *Lit. proizv.* no. 4 22-25 Ap '67.

HYDRAULIC PRESSES—DESIGN AND CONSTRUCTION

Ram presses with counterpressure regulators. *Tor. i prom.* 44 no. 3 17-18 '67.

HYDRAULIC STRUCTURES

Conditions for the durability of hydraulic structures of ports. F. Martynenko, *Rech. i transp.* 26 no. 3 39 '67.

Distribution and stabilization of points on building sites of hydraulic structures. I. F. Bolgov, *Inzh. geod.* no. 1 71-76 '65.

HYDRAULIC STRUCTURES (Continued)

Gravitational calculation of the strength of cylindrical structures with regard to bending stresses taking into account the deformation characteristics of the material under consideration. *Izv. Vuzovskiy Morskoy Flot*, no. 2, 65-72 '66.

Interaction of wind waves with vertical structures in case of various degrees of interference. *V. A. Priblizhnyye*, no. 2, 101-112 '66.

HYDRAULIC STRUCTURES—CORROSION

Comparison made from epoxy resins for the protection of concrete structures against corrosion. *A. S. Kol'tsova*, *Mosk. gos. nauch. tsentr*, no. 2, 89-91 '66.

HYDRAULIC STRUCTURES—FOUNDATIONS

Rozs, S. A., and B. D. Zelenskii. [Study of mechanical properties of rock foundations of hydraulic structures (gravity and arch dams and pressure tunnels).] *Issledovaniye mekhanicheskikh svoystv skalykh osnovaniy gidrotekhnicheskikh sooruzheniy (gravitatsionnykh i arcovykh plotin i zapornykh tunneley)*. Moskva, Energiya, 1967. 391 p.

HYDRAULIC TURBINES

Analytic approximation of the middle surface of blade of a Francis hydraulic turbine. *V. K. Zil'berstein*, *Pril. Matem. i inzh. graf.*, no. 3, 101-108 '65.

Distribution of the probabilities of dynamic pressure maxima in hydraulic turbine conduits with load drops. *G. E. Avtonomov, N. A. Krut'kikh, I. A. Cherniatin*, *AN SSSR Energ. i transp.*, no. 1, 147-151 Jan '67.

Load loads on the guide bearing of a vertical-shaft hydraulic turbine. *B. K. Andriyenko, P. G. Mazila, N. I. Rylov*, *Energomashinostroyeniye*, no. 1, 33-35 Apr '67.

Effect of alloying and thermal treatment on strength increase and cavitation resistance of alloys with aging carbonate. *L. S. Matinov, I. M. Moskalova, V. A. Strizhak*, *Energomashinostroyeniye*, no. 5, 29-32 May '67.

Efficient design of the stator unit of the helical chamber of a hydraulic turbine. *V. S. Potolov*, *Energomashinostroyeniye*, no. 1, 17-18 Jan '67.

Hydraulic energy losses in radial gate mechanisms of hydraulic turbines. *I. G. Anshina*, *Energomashinostroyeniye*, no. 5, 8-11 May '67.

Technique of the rotor wheel chamber of a hydraulic turbine using an abrasive stone. *V. P. Stepanov, V. A. Vashurin*, *Elektr. sta.*, no. 5, 81-83 May '67.

New method for determining the position of the center of gravity of the blade of a Kaplan turbine. *A. A. Bolotnikov, S. Kh. Oshchinskii*, *Energomashinostroyeniye*, no. 5, 33-41 May '67.

Polushkin, N. P. [Automatic control of hydraulic turbines.] *Automaticheskoe regulirovaniye gidroturbin*. [Leningrad] Energiya, 1967. 201 p.

Selection of the area of linearity of characteristics of automatic controllers of hydraulic turbines. *G. I. Krivchenko*, *Energomashinostroyeniye*, no. 5, 25-27 May '67.

Some special features of the operating process of a centrifugal hydraulic turbine. *B. E. Glezarov*, *Energomashinostroyeniye*, no. 1, 11-13 Jan '67.

Study of radial forces acting on a rotor of a radial-axial hydraulic turbine during transient processes. *N. I. Zubarev*, *Energomashinostroyeniye*, no. 5, 11-13 May '67.

HYDRAULIC TURBINES—BLADES

Designing hydraulic turbine blades for an axisymmetrical vortex flow of ideal fluid taking into account flow conditions at the input and output of the runner. *I. A. Ganesan*, *Energomashinostroyeniye*, no. 4, 30-40 Apr '67.

HYDRAULICS

Determination of permeable (nonsealing) velocities and the limit depth of erosion in wave flow. *E. I. Mass*, *Sob. AN Gruz. SSR*, no. 1, 161-167 Apr '67.

Distribution of the probabilities of dynamic pressure maxima in hydraulic turbine conduits with load drops. *G. E. Avtonomov, N. A. Krut'kikh, I. A. Cherniatin*, *Izv. AN SSSR, Energ. i transp.*, no. 1, 147-151 Jan '67.

Hydraulic calculation of water passages using relative roughness. *A. K. Riabov*, *Metod. i pribl.*, no. 6, 7-9 Jan '67.

Restricted water release under gates. *A. S. Gints, A. S. Bozhenitsov*, *Gidromel.*, no. 4, 86-92 Apr '67.

HYDRAZONE

Fundamental frequencies and calculation of the vibrational spectrum of tetrafluorohydrazine molecule. *E. N. Kostyukova, I. A. Kurimov, V. S. Mosk. univ., Ser. 2 Khim.*, no. 2, 111-114 May '67.

Molecular structure of borine hydrazine crystals. *V. I. Andrianov and others*, *Zhur. shukh. khim.*, no. 2, 303-306 Apr '67.

HYDRAZONES

Synthesis and characteristics of propargylaldehyde dimethylhydrazones. *B. V. Ioffe, D. D. Tsvetkov, Izv. vuz. ucheb. zav. khim. i khim. tekhn.*, no. 3, 301-303 '67.

HYDROBIOLOGICAL RESEARCH

(see also subdivision under Denmark)

Study of primary productivity processes in bodies of water by the method of designed addition of biogenic elements. *V. D. Fedorov, V. N. Maksimov*, *Nauch. dokl. vuz. shkol. i inst. khim.*, no. 1, 132-142 '67.

HYDROBIOLOGY

Brief news. *Bull. MOIP. Old biol.*, no. 2, 111-119 Apr '67.

50 years of Soviet hydrobiology. *A. S. Konstantinov*, *Nauch. dokl. vuz. shkol. i inst. khim.*, no. 1, 5-23 '67.

Zonal production processes and biotic relationships in bodies of water. *G. V. Nikol'skii*, *Zool. zhurn.*, no. 1, 163-171 Apr '67.

HYDROCARBONS

Argon and helium isotopes in natural hydrocarbon gases. *T. K. Gering and others*, *Geokhimiya*, no. 5, 603-617 May '67.

Monocyclic hydrocarbons of petroleum produced by delayed coking. *V. I. Gavrilov, N. I. Shapchenko, V. A. Likhitskii*, *Neft. i neftekhim.*, no. 1, 1-11 '67.

Chromatographic separation of gaseous hydrocarbons on X-type zeolite modified by K⁺. *G. V. Tsvetkovskii and others*, *Neft. i neftekhim.*, no. 2, 309-311 Apr '67.

Conversions of cyclic hydrocarbons in presence of oxide catalysts of reforming. *I. U. N. Usov and others*, *Neft. i neftekhim.*, no. 2, 166-171 Apr '67.

Effect of the conditions of synthesis and the nature of hydrocarbons on the reaction of the production and some conversions of for molasses. *N. A. Mosk. khim. fakul., Z. G. Khimichesk. O. V. Shevchenko*, *Izv. vuz. ucheb. zav. khim. i khim. tekhn.*, no. 1, 312-315 '67.

Heat of adsorption of benzene and toluene on an aluminum silicate catalyst. *A. A. Tsvetkov and others*, *Vest. Mosk. univ. Ser. 2 Khim.*, no. 2, 9-13 Apr '67.

Liquid-phase oxidation of alkylaromatic hydrocarbons. *M. I. Larichev and others*, *Khim. prom.*, no. 4, 12-14 May '66.

Polarography of conjugated systems in dimethylformamide. *Phthalic hydrocarbons and some monofunctional derivatives; effect of their structure*. *V. G. Malinovsky, I. E. Valushchik, G. I. Semakoval*, *Elektr. i khim. i khim. tekhn.*, no. 5, 611-617 May '67.

Pyrolysis of liquid hydrocarbons to ethylene and acetylene using gaseous heat carrier under pressure. *A. A. Anisimov and others*, *Neft. i neftekhim.*, no. 2, 10-12 '67.

Some features in the development of preflame processes and ignition of hydrocarbons of various structures. Part I: Delays in cold flame appearance and in ignition as a function of temperature and compression. *A. N. Volinov, D. I. Skochkov*, *Kin. i kat.*, no. 2, 252-260 Apr '67.

Thorough conversions of bicyclic hydrocarbons during hydrogenation. *I. V. Kuchuk, P. A. Bogdanova*, *Neft. i neftekhim.*, no. 1, 22-23 '67.

HYDROCARBONS—ANALYSIS

Some characteristics of chemical composition of gas condensates in northern Dagestan. *E. M. Landa*, *Geol. neftekhim. i gaz.*, no. 5, 12-15 May '67.

HYDROCARBONS—DIPOLE MOMENTS

Determination of the atomic polarization of hydrocarbons of different classes based on infrared spectra. *A. G. Tinkov*, *Zhur. shukh. khim.*, no. 2, 270-283 Apr '67.

HYDROCARBONS—THERMAL PROPERTIES

Heat conductivity of highly saturated hydrocarbons. *G. Kh. Mukhammedjanov, A. G. Usmanov*, *Izv. vuz. ucheb. zav. neftekhim. i gaz.*, no. 4, 76-80 '67.

HYDROCHLORIC ACID

Ethylene oxide as an acceptor of hydrogen chloride in the synthesis of dialkyl phosphites and monoalkyl phosphinites. *N. K. Bliznik and others*, *Zhur. ob. khim.*, no. 4, 884-888 Apr '67.

Ethylene oxides as an acceptor of hydrogen chloride in the synthesis of neutral phosphites and phosphinites. *N. K. Bliznik, Z. N. Kvashina, A. E. Kolomolets*, *Zhur. ob. khim.*, no. 4, 889-890 Apr '67.

Synthesis and dehydrochlorination of mono- and poly-chloro-(γ -trifluoropropyl)ethylidichloro- and dimethylchlorosilanes. *M. A. Kudina, V. A. Ponomarenko*, *Zhur. ob. khim.*, no. 4, 930-934 Apr '67.

HYDROCYANIC ACID

Kinetics of cyanoethylation of HCN on heterogeneous catalysts. *N. A. Datin and others*, *Dokl. AN Azerb. SSR*, no. 1, 18-21 '67.

HYDRODYNAMICS

Approximate calculation of the coefficients of equations for disturbed motion of a body partly filled with a fluid. *V. I. Stetskov*, *Pril. mekh.*, no. 3, 109-113 May '67.

Cavitational liquid flow inside a semi-infinite volume with movable boundaries. *V. P. Kuchuk, Pril. mekh.*, no. 3, 136-140 May '67.

Dynamic equations describing the motion of two-component systems. *V. P. Masnikov*, *PMTF*, no. 2, 58-67 Apr '67.

Effect of adjacent vapor-generating sections of a channel on the intensity of the critical heat flux in forced liquid flow in channels. *A. A. Ivashchenko*, *Inzh.-fiz. zhurn.*, no. 4, 535-537 Apr '67.

Effect of hydrodynamic factors and relationship between initial reagents on the process of a solution of natural gas in a fluidized bed of a catalyst. *I. P. Mukhlenov, I. M. Zinnia, V. A. Averbukh*, *Zhur. prikl. khim.*, no. 1, 515-518 Mar '67.

Experimental study of the decomposition of a jet of viscous liquid surrounded by a gas flow. *G. F. Tolstikhin*, *PMTF*, no. 2, 113-116 Apr '67.

Experimental study of the flow of a thin liquid layer across the surface of a rotating cone. *A. S. Voinov, N. S. Klapchova*, *PMTF*, no. 2, 107-109 Apr '67.

Flow to wells in a seam with variable permeability and capacity. *I. A. Chaiyul, Izv. AN SSSR, Mekh. i gid. i gaz.*, no. 2, 180-183 Apr '67.

Ideal liquid flow in a field of Coulomb forces. *I. I. Vainshteyn, M. A. Gol'dshchik*, *Dokl. AN SSSR*, no. 1, 1277-1280 Apr '67.

Normal stress in a viscoelastic liquid when its turbulent motions are slowing down. *V. A. Gerasimov*, *PMTF*, no. 2, 68-76 Apr '67.

On Cauchy--Poisson's problem concerning waves on the surface of a viscous liquid of finite depth. *Dokl. AN SSSR*, no. 1, 150-152 May '67.

Study of the classical hydrodynamics equations with allowance for dissipation processes. *V. A. Krasnikov*, *Vest. Mosk. univ. Ser. 1 Fiz. i mat. nat. nauch.*, no. 3, 1-6 May '67.

Twisted hollow stream of an ideal fluid. *I. I. Petukhov*, *PMTF*, no. 2, 110-113 Apr '67.

Water flow over a dam. *V. M. Bagin, Izv. AN SSSR, Mekh. i gid. i gaz.*, no. 2, 90-93 Apr '67.

HYDRODYNAMICS—BOUNDARY VALUE PROBLEMS

Periodic solutions to an equation simulating the motion of a viscous liquid. *I. I. Shatalov*, *Zhur. vych. mat. i mekh.*, no. 1, 691-698 May '67.

HYDROELECTRIC POWER STATIONS

(see also subdivision under Chelyabinsk; Dnieper Valley; see also Dnieper Hydroelectric Power Station; Saratov Hydroelectric Power Station)

Establishing power production regions based on the expedient use of a particular cycle of the regulation of pumped storage power stations. *D. M. Ryskulov*, *Dokl. AN Uz. SSR*, no. 3, 620-31 '66.

Moskovskiy energeticheskii institut. [Proceedings of a Scientific and Technical Conference on Results of Scientific Research Work for 1964-1965. Power engineering section; section on hydroelectric power engineering.] *Doklady Nauchno-tekhnicheskoy konferentsii po itogam nauchno-issledovatel'skikh rabot za 1964-1965 g.g. seksiya na elektroenergeticheskuyu podskliska gidroenergetiki*. Red. V. I. Obozov, I. P. Krut'kov, Moskva, 1965. 63 p.

Study of the electromechanical starting of a large hydraulic unit in power system. *G. G. Guseinov, N. D. Abdullaev*, *Zh. tekhn. prog.*, no. 2, 20-23 Jan '67.

HYDROELECTRIC POWER STATIONS—ACCOUNTING

(see subdivision under Chelyabinsk)

HYDROELECTRIC POWER STATIONS—DESIGN AND CONSTRUCTION

Chaplygin, D. V., and A. P. Eremin. [Transportation of mass concrete in hydraulic construction.] *Transport massovogo betona v gidrotekhnicheskoy stroitel'stvo*. Izd. 2, 2, per. Moskva, Energiya, 1967. 139 p.

HYDROELECTRIC POWER STATIONS—ELECTRONIC EQUIPMENT

Station distance-type signaling system. *V. M. Dologopelov, B. N. Ransvich*, *Elektr. sta.*, no. 5, 75-77 May '67.

HYDROFLUORIC ACID

Separation of chromium, molybdenum and tungsten in solutions of hydrofluoric acid by the use of anion exchangers. *V. S. Pakholkov, V. E. Panikarovskikh, Izv. vuz. ucheb. zav. khim. i khim. tekhn.*, no. 2, 168-172 '67.

Separation of germanium and silicon in liquid hydrogen fluoride. *N. S. Nikolaev, I. I. Yelinskaya, A. A. Opalovskii*, *Zhur. prikl. khim.*, no. 3, 699-702 May '67.

HYDROFOIL BOATS

Creator of the winged fleet. *Rech. i transp.*, no. 3, 20-21 '67.

HYDROFOIL BOATS—HYDRODYNAMICS

Static stability of apparatus utilizing the lifting force of supporting surfaces. *V. I. Korolev*, *Sudost. i mor. soor.*, no. 2, 40-55 '66.

Waves generated by hydrofoil boats in a canal. *A. Meglitskii*, *Rech. i transp.*, no. 1, 41-45 '67.

HYDROGEN

Decomposition of molecular hydrogen ions in collisions with thermal electrons. *G. V. Dubavskii, V. D. Ob'edkov*, *Astion. zhur.*, no. 2, 387-389 '67.

HYPOPHthalmic PHYS

Temperature balance in hypophthalmichthys egg incubation. G. Tolchinskii. *Russk. zh. biol. nauk* 13 no. 4:15-16 '67

HYPOTENSION

Cardiac unconditioned and conditioned reflexes following certain forms of arterial hypotension. Kh. A. Gasanov. *Fiziol. zhurn.* 12: AN Azerb. SSR ser. biol. nauk 15:117-122 '66

Characteristics of hemodynamics in sportsmen with hypotension of various etiology. M. I. Levin, N. A. Stepanchikova. *Kardiologiya* 7 no. 3:125-127 '67

Clinical aspects of hypotension. Z. M. Salavaeva. *Azerb. zh. zh. biol. nauk* 44 no. 3:11-17 '67

HYPOTHALAMUS

Analysis of hypothalamic influence on mono- and poly-synaptic potentials of the spinal cord and on electrocorticogram. O. G. Baidaladzhian, T. K. Kipitani, *Fiziol. zhurn.* 53 no. 5:506-513 '67

Primary edema in rats under the effect of action on the preoptic portion of the hypothalamus. I. A. Lizarov, I. A. Surubovskaya, L. Z. Iel' Vop. neurokhim. 31 no. 2:17-20 '67

HYPOTHERMIA

Changes in some cortical-subcortical relationships in artificial hypothermia. T. S. Sh. Dzhanlidze, *Sov. AN Gruz. SSR* 46 no. 1:235-242 '67

Significance of hypothermia in resuscitation by means of blood-substituting solutions. Bogumil Poleska. *Probl. gerontol. i geriatr.* 11 no. 5:51-54 '67

HYSTERESIS

Some problems in the theory of the hysteresis loop and the ferroelectric current loop. M. V. Mel'gun, *Dokl. AN SSSR* 11 no. 4:311-314 '67

HYSTERESIS LOOP

Temperature dependence of the magnetic properties of thin Fe-Ni alloy-manganese films with exchange anisotropy. A. A. Glazov and others. *Izv. AN SSSR, Ser. fiz.* 31 no. 5:735-738 '67

IAKOVLEV, B.

Cruciating facts. Igor Volgin. *Otkritiia* 44 no. 5:210-211 '67

IASTREMSKII, BORIS SERGEEVICH, 1877-1902

B. S. Iastremskii, on the 90th anniversary of his birthday. A. Boudskii, G. Kul'shev. *Vest. stat.* no. 5:35-40 '67

IBRAGIMOV, GALIMDZHAN, 1887-

In the memory of the people. I. Musin. *Otkritiia* 11 no. 1:207-208 '67

ICE

(see also subdivision under Arctic region)
Poisson's coefficient of ice under static load. V. V. Lashov. *Probl. Arkt. i Antarkt.* no. 26:10-59 '67
Regulation of underground flow by ice formation. F. A. Lashov, B. I. Sokolov. *Trudy GGI* no. 139:180-205 '67
Records number for broken ice. D. L. Khel'sin. *Probl. Arkt. i Antarkt.* no. 26:51-56 '67

ICE BREAKING VESSELS

Form of streamlining of the bow extremity of ice-breaking transport ships. I. N. Popov, A. I. Ryvlin. *Probl. Arkt. i Antarkt.* no. 26:108-109 '67

ICE CREAM INDUSTRY

Developing the production of soft ice cream. I. A. Otenev, N. M. Fil'chukova. *Khol. tekhn.* 44 no. 5:7-8 '67
Potentialities for the increase of ice cream production. Z. E. I'shtkin. *Khol. tekhn.* 44 no. 5:5-6 '67

ICE ON RIVERS, LAKES, ETC.

(see also subdivision under Russia, Northern, see also subdivision 'Ice' under Sukhona River)

Khel'sin, D. E. [Dynamics of ice sheet] *Dinamika ledanogo pokrova*, Leningrad, Gidrometeor. izd-vo, 1967, 215 p.

ICELAND—CULTURE

Steblin-Kamenskii, M. I. [The culture of Iceland] *Kultura Islandii*, Leningrad, Nauka, 1967, 181 p. (Nauchno-popul'naya seriya)

ICHTHYOLOGICAL RESEARCH see subdivision under Ukraine

ICTERUS (PATHOLOGY) see Jaundice

IDEALS (ALGEBRA)

Densely imbedded ideals of semigroups of multiple-valued endomorphisms of a graph. A. M. Kalmanovych. *Dop. AN URSS, Ser. A* 29 no. 5:106-110 '67

IGNEOUS ROCKS see Rocks, Igneous

IL'ENKOV, VASILII PAVLOVICH, 1897-1967

Devoted to the community. V. Astrov. *Otkritiia* 14 no. 3:208-209 '67

ILIAC ARTERY—LIGATURE

Significance of the inferior iliac artery in the surgical treatment of atherosclerotic lesions of the abdominal aorta and its branches. E. V. Potemkina and others. *Vest. khim.* 48 no. 1:22-25 '67

IL'ICHEVSK (UKRAINE)—HARBOR

Use of overall norms. I. Burson. *Mor. flot* 27 no. 5:16 '67

IL'IN, ROSTISLAV SERGEEVICH, 1891-1944

In memory of R. S. Il'in (1891-1944). L. A. Sergeev. *Pochtovelem* no. 1:162-163 '67

IL'INSKII, IGOR' VLADIMIROVICH, 1904-

My highbushes. I. Il'inskii. *V mire knig* no. 3:12-13 '67
Ten questions to Igor' Il'inskii. *Sov. radio i tel.* 16 no. 2:11-15 '67

IMAGE CONVERTERS

Photoelectrical calculation of the photoelectric converter with a scanning beam. L. S. Belovagina, V. K. Eliseev. *Tekhn. i teorya* 11 no. 5:16-17 '67

IMAGE INTENSIFIERS

Calculating the image illuminance. Part 2: Spectral instruments with concave diffraction gratings. G. G. Paltalina, V. E. Medvedev. *Opt. i spekt.* 22 no. 5:819-823 '67

IMMUNITY

Connection between the immunological reactivity of patients with acute dysentery and the method of tetraacycline administration. K. V. Klimov. *Zhur. mikrobiol., epid. i immun.* 14 no. 6:34-37 '67

Effect of adrenalectomy on the formation of artificial immunity to infection in white rats. V. M. Ivanov. *Trudy Mosk. nauch. issl. inst. vak. i slyv.* 17:38-19 '67

Effect of antibiotic aerosols on some indices of natural immunity in workers occupied in their production. I. I. Nikonov, P. I. Tal'antsev. *Antibiotiki* 12 no. 5:138-142 '67

Experimental study of the effect of the multiplicity factor of vaccinations with polyvalent vaccine and VI-antigen of Escherichia coli on the development of immunological indices. A. I. Golikhovnikova. *Trudy Mosk. nauch. issl. inst. vak. i slyv.* 17:77-82 '67

Immunity to botulism in humans. K. M. Alanian. *Zhur. mikrobiol., epid. i immun.* 14 no. 6:62-65 '67

Immunity to Salmonella infection: experimental study. Report No. 3: Dynamics of forming 19S and 7S antibodies and specific resistance in immunization with cellular component of Salmonella typhimurium. E. S. Stanislavskii, N. G. Fish. *Zhur. mikrobiol., epid. i immun.* 41 no. 6:10-15 '67

Morphological Aspects of modern immunity theories.

A. I. Fildenshtein. *Usp. sov. biol.* 52 no. 3:291-306 '67

Protective properties of organ tissues and blood serum in vaccinated animals. L. E. Khizanova. *Trudy Mosk. nauch. issl. inst. vak. i slyv.* 17:27-37 '67

State of antitoxic immunity to diphtheria in children vaccinated against measles. M. P. Bondarenko. *Zhur. mikrobiol., epid. i immun.* 44 no. 1:26-30 '67

State of some natural immunity factors during the growth and metastasis of induced tumors. I. U. S. Kivovskii. *Biol. eksp. biol. i med.* 63 no. 6:88-91 '67

Study of the antigenic fraction of the pertussis microbe and its role in the formation of antipertussis immunity. Report No. 1. A. I. Belkina and others. *Trudy Mosk. nauch. issl. inst. vak. i slyv.* 17:112-122 '67

Study of the cellular reactivity of the animal body in various ways of introduction of dysentery antigen. S. I. Gurburug-Kalintina, E. F. Vakarina. *Trudy Mosk. nauch. issl. inst. vak. i slyv.* 17:3-10 '67

Study of the effect of microbial antigen on the formation of immunity against infection caused by Clostridium perfringens. N. G. Chel'nikova, T. G. Sem'ykina. *Trudy Mosk. nauch. issl. inst. vak. i slyv.* 17:91-98 '67

Study of the mechanism of the effect of therapeutic mud on immunogenesis in experimental allergic arthritis. A. F. Leshchinskii, E. S. Pavlova. *Vop. kur. i fl. ioter. i lech. fiz. kul't.* 32 no. 2:148-151 '67

Use of Salmonella typhi VI-antigen in the immunization of preschool-age children. G. P. Lajalan and others. *Zhur. mikrobiol., epid. i immun.* 44 no. 6:65-66 '67

IMMUNOCHEMISTRY

Immunochemical diagnosis of primary cancer of the liver. I. V. Ascheritova and others. *Vest. AN SSSR* 22 no. 5:75-81 '67

IMMUNOELECTROPHORESIS

Immunological characteristics of typhoid O-antibodies in humans and experimental animals according to data of radioimmunolectrophoresis. E. V. Chernokhovostova, V. L. Anokhin, V. P. Zhelezverzhina. *Zhur. mikrobiol., epid. i immun.* 44 no. 6:15-17 '67

IMMUNOHematology

Immunohematological changes in the marrow in acute leukemia and lymphogranulomatosis. N. I. Slubova, V. P. Dygin. *Probl. gerontol. i geriatr.* 11 no. 5:20-24 '67

IMMUNOLOGICAL RESEARCH

Characteristics of the immunological structure of the bird population of the local territory of the bovine encephalitis treated with acasidosis. S. P. Chmukin, E. N. Levkovich. *Mud. paraz. i paraz. biol.* 36 no. 3:279-283 '67

Comparative study of the antigens of transplanted rat carcinoma and the continuously cultivated line of rat kidney carcinoma cells obtained from it. I. U. I. Aleksandrian and others. *Biol. eksp. biol. i med.* 63 no. 6:91-93 '67

Effect of immunization by antigens from a heterologous and autologous liver on metastasizing of Walker's carcinoma in parabiotic rats. *Biol. eksp. biol. i med.* 63 no. 6:94-96 '67

Formation of antibodies 19S and 7S and the immunological memory in immunization of mice with VI- and O-antigens. V. I. Jevonson, E. Chernokhovostova. *Zhur. mikrobiol., epid. i immun.* 41 no. 6:16-50 '67

Immunogenicity of various phases of Rickettsia but not R. I. Kudelina, N. I. Fedorova. *Zhur. mikrobiol., epid. i immun.* 44 no. 5:17-21 '67

Nervous regulation of the process of immunogenesis. Report No. 2: Comparative study of the reactivity of organs of the reticuloendothelial system under the effect of conditioned and unconditioned stimulants. V. D. Myrta, L. V. Myrta. *Zhur. mikrobiol., epid. i immun.* 44 no. 5:139-140 '67

Reversibility of properties of bacterial anatoxins and their stability. N. I. Aleksandrov, N. N. Vast'ev. *I. V. Vostanov. Zhur. mikrobiol., epid. i immun.* 44 no. 5:98-102 '67

Use of the method of differences in comparing the activity of biological preparations, tests of active and passive immunity in animals. V. V. Bliznikov, L. A. Levina. *Zhur. mikrobiol., epid. i immun.* 41 no. 6:110-115 '67

IMMUNOLOGY

Immunological analysis of rat sarcomas induced by hum in tumor extracts. I. S. Bashkarev, A. I. Agrechenko. *Biol. eksp. biol. i med.* 63 no. 6:85-88 '67

Pel'ov, R. V. [Sphinxes of the 20th century] *Sfinksy XX veka*, [Moskva] Molodai gvaizda, 1967, 204 p. (Evrika)

IMPACT

Stroke of a rigid body on an elastic rod with external friction. L. V. Nikitina. *Mekh. i teorya* 11 no. 2:166-170 '67

Use of a model of compressible liquid in calculating collisions of rigid bodies. A. N. Mat'lamov. *PMT* no. 2:83-85 '67

IMPELLERS

Determining critical speeds of ship turbine rotors using the similitude method. M. I. Lappa. *Izv. vuz. ucheb. zav. mashinostr.* no. 3:35-38 '67

IMPERIALISM

The 50th anniversary of Lenin's theory of imperialism. S. I. Paltalina. *Vest. LCU* 22 no. 5:24 '67

Marxists' international conference. *Mir. ekon. i mezhdunar. otn.* no. 6:58-106 '67

Modern times and the V. I. Lenin theory of imperialism. *Mir. ekon. i mezhdunar. otn.* no. 5:3-22 '67

IMPERIALISM—CONGRESSES

International conference of Marxists. *Mir. ekon. i mezhdunar. otn.* no. 5:23 '67

IMPOTENCE

Useless invention. I. Podudimskii. *Lozh. i iats.* no. 11:22, 30 '67

IMSHENETSKII, ALEKSANDR ALEKSANDROVICH, 1905—BIOBIBLIOGRAPHY

Zavarzin, G. A. Aleksandr Aleksandrovich Imshenetski, *Bibliografiya sostavlena L. M. Zhukov*, Moskva, Nauka, 1967, 82 p. (Materialy k bibliografiye uchenykh SSSR, Seriya biologicheskikh nauk. Mikrobiologiya, no. 3)

INCENTIVES IN AGRICULTURE

Characteristics of commodity production under socialism, and providing economic incentives for agricultural development. I. Laptev. *Ekon. sel'skhoz.* 12 no. 5:22-32 '67

INCENTIVES IN INDUSTRY

(see also subdivision under Hungary; Poland)
Honoring progressive workers. *Part. zhizn'* no. 11:62 '67

Kulikov, A. G., V. P. Kamankin, and L. A. Bibin, eds. [Business accounting and material incentives in industry and construction] *Khoz. i stat. i aschet i material'noe stimulirovanie (v promyshlennosti i stroitel'stve)*, Moskva, Mysl', 1967, 324 p.

Methodological instructions for changing over enterprises, combines, and industrial branches to the new system of planning and economic stimulation. *Ekon. Rad. Ukr.* 10 no. 2:30-48 '67

INDUSTRIAL MANAGEMENT (Continued)

Stimulants are being eliminated. *Pril. zhurn.* no. 11: 1-9 Ju '67.

Stepov, I. A. [V. I. Lenin and scientific labor organization] V. I. Lenin i nauchnaya organizatsiya truda. Daku, Azerbaidzjanskoe gos. izd-vo, 1967. 57 p.

Some problems of the economic reform. O. Zaitsev. *Ekon. Rad. Ukr.* 10 no. 5:51-51 My '67.

Some problems of economic reform in a branch. P. Tishchenko. *Plan. zhurn.* 41 no. 6:54-60 Ju '67.

Standard regulation on issuing bonuses to workers of industrial enterprises which are being changed over to the new system of planning and economic stimulation of production. *Naukhoz. Kuznetsk.* 25 no. 4:92-95 Ap '67.

Summary of the "Methodological instructions" published in No. 2 of the journal. *Ekon. Rad. Ukr.* 10 no. 3:71-81 Ju '67.

Supply of materials and equipment under new conditions. P. G. Lyssogorov. *Prom. R. i.* 10 no. 6:21-24 Ju '67.

We must try to equal the beacon lights. *Agitator* no. 1: 5-6 J '67.

What the experience proves. M. Balagurov, I. Blinchevskii. *Den (Kiev)* 25 no. 5:15-15 My '67.

Work under the new conditions. F. G. Golman, I. Zavel'skii. *Den (Kiev)* 25 no. 5:52-52 My '67.

Zarubov, N. F. [Organization of auxiliary workers' labor] Organizatsiya truda vspomogatel'nykh rabochikh. Moskva, Ekonomika, 1967. 60 p. (Biblioteka NOT)

INDUSTRIAL MANAGEMENT—CONGRESSES

(see also subdivision under Kirovograd Province)

Conference on the problems of scientific management of socialist industry. V. N. Karpenko, A. I. Petukh. *Org. i upr. v tsel'nom prom.* no. 3:31-34 '66.

INDUSTRIAL MANAGEMENT—PROBLEMS, EXERCISES, ETC.

Sakelby, P. J., ed. [Collection of problems on the managerial operations of an enterprise] Zadachniki po analizu khoz'istvennoi deiatel'nosti predpriiatiia. Moskva, Finansy, 1967. 245 p.

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

The first steps. N. I. Ilnikov. *Prof. i tekhn. obr.* 21 no. 1:26-27 Ap '67.

INDUSTRIAL ORGANIZATION

Using network methods of planning for the organization of production. L. A. Litvinskii, P. V. Polshchikov. *Itogi nauki i tekhn.* 31 no. 5:21-26 My '67.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

(see subdivision under Pavlodar)

INDUSTRIAL PROCUREMENT

(see also subdivision under Krasnoyarsk Territory)

Centralized supply of production with materials. Z. Bashinov. *Mat.-tekhn. snabzhen.* 2 no. 5:81-85 My '67.

Determining the profitability of supply and sale organizations. S. M. Ilnikov. *Mat.-tekhn. snabzhen.* 2 no. 5:81-85 My '67.

The new growth of Krasnoyarsk Province. V. Mamon. *Mat.-tekhn. snabzhen.* 2 no. 5:81-85 My '67.

Organization of the supply of materials and equipment during the first years of the Soviet regime, 1917-1920. O. Arshavina. *Mat.-tekhn. snabzhen.* 2 no. 5:30-36 My '67.

Indices of workers of the All-Union Administration of Procurement of Metal Production. *Mat.-tekhn. snabzhen.* 2 no. 5:31-33 My '67.

Regulating economic indices in the procurement. N. Kolichuk, T. S. Landa. *Mat.-tekhn. snabzhen.* 2 no. 5:17-23 My '67.

Supplying light industry enterprises with complete sets of equipment. A. Ukhov. *Mat.-tekhn. snabzhen.* 2 no. 5:16-19 My '67.

What hampers the struggle for profitability. V. Razumov. *Itogi nauki i tekhn.* 31 no. 5:60-60 My '67.

INDUSTRIAL PROCUREMENT—FINANCE

Marketing costs, business accounting, and finance of supply and sale organizations. V. Odess. *Mat.-tekhn. snabzhen.* 2 no. 5:71-70 My '67.

INDUSTRIAL PROCUREMENT—MANAGEMENT

Mazo, N. L. [Organization of the management of supply of materials and equipment] Organizatsiya upravleniia material'no-tekhnicheskimi snabzheniem. Moskva, Ekonomika, 1967. 46 p. (Biblioteka khoz'istvennogo rukovoditel'a)

INDUSTRIAL PROCUREMENT—SCHEDULING

The system of network planning in procurement. I. P. Gubkin. *Mat.-tekhn. snabzhen.* 2 no. 5:60-66 My '67.

INDUSTRIAL PSYCHOLOGY see Psychology, Industrial

INDUSTRIAL RELATIONS see subdivision under Great Britain

INDUSTRIAL REPORTS

The subject of evidence in the trial of cases concerning the overstatement of achieved results. G. S. Orlov. *Trudy Irk. un.* 10:53-66 '65.

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SAFETY

Consultation. *Bezop. truda i prom.* 9 no. 12:10-51 D '65.

INDUSTRIAL SOCIOLOGY

Social problems of the economic reform. O. Zaitsev. *Ekon. Rad. Ukr.* 10 no. 5:51-51 My '67.

INDUSTRIAL STATISTICS

Bellayev, I. V. N., and L. S. Semenova. [The Comecon countries in the world economy] Stany SEV v mirovoi ekonomike. Moskva, IMO, 1967. 187 p.

Facts and figures for the 50th anniversary of the October Revolution. *Moskva i mezhduim. otn.* no. 6:153-156 '67.

On the 50th anniversary of the Great October, facts and figures. *Moskva i mezhduim. otn.* no. 5:152-156 '67.

INDUSTRIAL TELEVISION

Scanistor, a new photoelectric converter. V. L. Kreitzer, K. P. Borikovskii. *Tekhn. kino i telev.* 11 no. 1:40-46 Ap '67.

Television system for measuring the dimensions of objects using a two-camera method. E. I. Melbaum, I. A. Iashchuk, A. I. Susidko. *Pril. i sist. avtom.* no. 2:136-139 '66.

INDUSTRIAL WASTES see subdivision under Bii'che-Vol'ska Gas Field; Kiev; Ugar'sko Gas Field

INDUSTRIAL WASTES—ANALYSIS

Photographic analysis of waste waters from phenol and acetone production. T. T. Shileina, M. M. Buzianova, Z. V. Iub. 33 no. 3:290-293 '67.

INDUSTRIES, LOCATION OF

(see also subdivision under Germany, West; Poland)

Some problems in optimizing the distribution of branches in a large district. V. Holikov. *Ekon. Rad. Ukr.* 10 no. 4:85-88 Ap '67.

INDUSTRIES, LOCATION OF—MAPS

Maps of industries in comprehensive regional atlases of the U.S.S.R. A. A. Litvyl. *Geod. i kart.* no. 4:53-59 Ap '67.

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. sbor. *Ekon. prom.* no. 6: Je '67.

INDUSTRY AND STATE see subdivision under Great Britain

INEQUALITIES (MATHEMATICS)

Applicability of the principle of areas to problems involving nonoverlapping domains [Supplement]. N. A. Lebedev. *Vest. LGU* 27 no. 7:61-73 Ap '67.

Inequalities for polyharmonic polynomials in a mixed norm. I. A. S. Bagirov. *Izv. AN SSSR, Ser. mat.* 31 no. 2:275-288 Mar-Apr '67.

INERTIA (MECHANICS)

Determining the inertia of a dredge during swinging. D. K. Morozov. *Mosk. gos. nauch. tsentr* no. 2:95-100 '66.

INERTIAL NAVIGATION

Errors of an inertial navigation system caused by the inaccuracy of navigation. E. I. Sil'v, E. V. Safonova, A. D. Bicheva. *Izv. vuz. ucheb. zav. prikl.* 10 no. 4:95-97 '67.

INERTIAL NAVIGATION (ASTRONAUTICS)

Optimum conversion of a signal in an astro-inertial system. I. U. N. Khenin, I. B. Chelpanov. *Trudy LPI* no. 266:110-125 '66.

INFANTS—DISEASES

Gangrenous cholecystitis in nursing infants. A. D. Pavluk. *Vest. khir.* 90 no. 4:114 Ap '67.

INFANTS (NEWBORN)—SURGERY

Umbilical hernia with resection of the ileocecal angle in newborn infants. V. I. Kobetski. *Vest. khir.* 98 no. 4:112-113 Ap '67.

INFANTS (PREMATURE)

Ring-shaped chromosome 18 in relation to innate anomalies. A. V. N. Mikheev, T. A. Talvik, M. E. Sitka, Genetika no. 6:63-66 My '67.

INFECTION

Intensity of tissue respiration in experimental animals during the process of infection and clearance of bacteria from the body. V. A. Nikiforov. *Pat. fiziol. i eksp. terap.* 11 no. 1:77-78 J '67.

INFECTIOUS HEPATITIS see Hepatitis, Infectious

INFLUENZA—PREVENTIVE INOCULATION

Epidemiological effectiveness of vaccination against influenza during the 1965 epidemic. G. N. Glazikhin. *Zhurn. mikrobiol., epid. i immun.* 41 no. 1:39-41 Ap '67.

INFORMATION SERVICES see subdivision under United States

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Relationship between the reliability of an information system and control conditions. I. U. V. Kalitshnikov. *Stran. i kach.* 31 no. 5:11-12 My '67.

INFORMATION THEORY

Consideration of the cost of information in the theory of information value. B. A. Grishanin. *Izv. AN SSSR Tekhn. kib.* no. 2:9-16 Ju '67.

Decoding probability error during random coding for a binary symmetrical channel. V. N. Kurakli, Radlovskii. *Izvestiya.* 12 no. 6:1058-1066 Ju '67.

Nyquist's generalized formula. T. G. Gachechiladze. *Trudy FBi GU* no. 103:75-80 '65.

Principles of the theory of information recovery. M. S. Neiman. *Radiotekhnika* 22 no. 5:2-10 My '67.

Problems of information transmission and treatment. V. I. Siforov. *Izv. AN SSSR, Tekhn. kib.* no. 1:76-81 Ja-F '67.

INFORMATION THEORY IN BIOLOGY

Philosophical problems of the theory of form development and hereditary information. V. A. Dragats'ev. *Usp. sov. biol.* 52 no. 3:347-361 N-D '61.

INFORMATION THEORY IN MANAGEMENT

Kobrin'skii, A. E., and N. E. Kobrin'skii. [Cybernetics in industrial management] Kibernetika v upravlenii proizvodstvom. Moskva, Ekonomika, 1967. 62 p. (Biblioteka khoz'istvennogo rukovoditel'a)

INFORMATION THEORY IN PSYCHOLOGY

Information and the intensive manifestations of psychics. I. U. I. Lashkevich. *Vop. filosof.* 21 no. 5:70-78 '67.

INFRARED DRYING APPARATUS

Gas radiation dryer for large-size gypsum concrete partitions. N. L. Staskevich, G. N. S. Chernits, A. F. Gendlin. *Gaz. prom.* 12 no. 5:44-45 My '67.

INFRARED HEATING

Drying and activation of nitrile adhesive films by infrared rays. V. V. Belozub, M. P. Kupriyanov. *Izv. vuz. ucheb. zav. prikl. log. prom.* no. 2:135-140 '67.

Radiant heating of space by gas infrared emitters with porous ceramic nozzles. B. M. Krivonogov, N. L. Staskevich. *Gaz. prom.* 12 no. 3:17-19 Mar '67.

INFRARED RAYS

Decrease of the time of spectrum registration in the infrared spectrophotometer by automatic regulation of the scanning velocity. A. V. Sakharov. *Opt.-mekh. prom.* 31 no. 5:18-21 My '67.

Photolocalization of excitations in Cu₂O-type crystals. S. A. Moskalenko, P. I. Khadzhai. *Opt. i spektr.* 22 no. 5:847-848 My '67.

INFRARED SPECTRUM see Spectrum, Infrared

INFUSORIA see subdivision under Balkal, Lake

INGOT MOLDS

Effect of the form of graphite on durability of ingot molds. F. N. Havadze, D. E. Harbakadze, L. I. Protzov. no. 5:35-36 My '67.

Making ingot molds of magnesium-inoculated cupola cast iron without heat treatment. N. A. Nikolaenko and others. *Met. i gornorud. prom.* no. 2:57-58 Mar-Apr '67.

INGOT MOLDS—TESTING

Manufacture and strength of ingot molds of blast furnace-smelted, magnesium-treated, conversion cast iron. E. G. Nikolaenko and others. *Met. i gornorud. prom.* no. 2:58-61 Mar-Apr '67.

INHERITANCE AND SUCCESSION

New developments in Soviet inheritance law. Z. G. Krylova. *Trudy Irk. un.* 30:245-253 '65.

INHERITANCE OF ACQUIRED CHARACTERS

Heritability of some morphological (diagnostic) characters in Ropska carp. G. A. Nenashov. *Izv. GosNIORHII* 61, 125-135 '66.

INHIBITION

Mechanism underlying the action of inhibitors in the radiolysis of cyclohexane. I. S. Polak, N. I. Cherniak, A. S. Shcherbakova. *Khim. vuz. energ.* 1 no. 3:220-226 My-Je '67.

INHIBITION (CHEMISTRY)

Inhibition of monoamine oxidase activity by 2-n-acetylaminocyclohexene-2-one and related compounds. K. M. Ermolov and others. *Vop. med. khim.* 13 no. 3:286-290 My-Je '67.

- INSECTICIDES** (see also sub-division under *Entomology*)
- INSECTICIDES AND BENEFICIAL INSECTS** (see *Entomology*)
- INSECTICIDES—TOXICOLOGY**
- Effect of the biological preparation bacterin on combined with insecticides in controlling Colorado beetle (Lepidoptera: Chrysomelidae) N. A. Tikhonov, A. L. Sukurov, A. L. Serebrennikov, Zh. I. Kostin [Kiev] no 4 3-23 '67
- Use of bacterin *Bacillus thuringiensis* against variegated fly larvae (Diptera: Tephritidae) Khim. i tekhn. no 5 58-59 '67
- INSECTICIDES—TOXICOLOGY**
- Toxicity of bacterial insecticides to bees M. V. Il'inskiy, V. I. Kuznetsov, M. G. Sidorov no 131-133 '66
- INSECTS, INJURIOUS AND BENEFICIAL** (see also sub-division under *Russia, Northern*)
- Comparative toxicity of organophosphorus insecticides to grain and grain products I. D. Viharskiy, Khim. i tekhn. no 5 16-17 '67
- Controlling pests of cultivated vegetation in the city of Novosibirsk, Manshihsk Peninsula, I. N. Skopina, Vest. Sib. no 10 2 102-104 '67
- INSECTS, INJURIOUS AND BENEFICIAL—CONTROL** (see also sub-division under *Vilyuy Valley*)
- Chemical control of cryptobiotic and sucking pests on landscape plants G. V. Dmitriyev, Nauch. i tekhn. Vest. no 5 47-55 '66
- INSOMNIA**
- Methodology of deprivation of sleep in small animals, A. A. Potomkin, I. F. Malakhov, O. D. Kuznetsova, Nauch. i tekhn. Vest. no 6 123-125 '67
- Study of the synthesis of cholesterol from 2-C¹⁴-acetate and distribution of 4-C¹⁴-cholesterol in rats in experimental insomnia, A. A. Pokrovskiy, V. F. Markelova, I. S. Shusternikova, Khim. i tekhn. Vest. no 7 379-82 '67
- INSTRUMENT INDUSTRY**
- Kalish, I. M. [New organization of the assembly line for instruments] Novaya forma organizatsii sborki priborov na potoke Leningrad, 1967 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya "Ekonomika i planirovaniye proizvodstva")
- INSTRUMENT INDUSTRY—RELIABILITY** (see sub-division under *Leningrad*)
- INSTRUMENTS—RELIABILITY**
- Lobunina, I. I. [Selecting reliability indices for devices controlling dimensions considering their operational characteristics] Vybór pokazatelei nadezhnosti priborov kontrolya razmërov s uchëtom ikh ekspluatatsionnykh osobennostey Leningrad, 1966, 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt. Seriya "Uchësheniye kachestva, povysheniye nadezhnosti i dolgovechnosti mashin, priborov i drugikh promyshlennykh izdeliy")
- INSTRUMENTS—STANDARDS**
- What the structure of state standards for instrument reliability should be like, A. I. Gubinskiy, N. M. Lazarev, Stand. i tekhn. 31 no 5:25-26 '67
- INSTRUMENTS—STORAGE**
- Vinogradov, P. A. [Using various means and methods for the conservation of machines, instruments, and articles depending on storage conditions] Primeneniye razlichnykh sredstv i metodov konservatsii mashin, priborov i izdeliy v zavisimosti ot uslovii khraneniya, Leningrad, 1967 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya "Uchësheniye kachestva, povysheniye nadezhnosti i dolgovechnosti mashin, priborov, elektromekhanicheskikh i radioelektricheskikh apparatov")
- INSULATING MATERIALS**
- Gorshenkov, G. I., and N. V. Mikhailov. [Polymeric bituminous insulating materials] Polimer-bitumnyye izolatsionnyye materialy Moskva, Nedra, 1967, 239 p.
- INSULATING OILS**
- Dependence of the gaslightness on the content of aromatic hydrocarbons in the insulating oil, N. G. Kalanov, D. S. Vasil'yev, V. I. Glazunov, Khim. i tekhn. Vest. no 12 5 54-56 '67
- Studying possibility of intensifying phenol extraction process of low-viscosity semi-distillate of transformer oil I. S. Finkova, Nefteper. i tekhn. no 2 11-16 '67
- INSULATING OILS—DIELECTRIC PROPERTIES**
- Effect of the hydrocarbon composition of transformer oil on dielectric losses R. A. Lipshits, E. N. Shtein, Khim. i tekhn. Vest. no 12 5 51-53 '67
- INSULATION (HEAT)**
- Experimental study of the heat conductivity of laminar multilayer insulations R. S. Mikhaylenko and others, Inzh.-fiz. zhurn. no 4:426-432 '67
- Heat-insulating plates as heaters of reinforced-concrete panels M. A. Sukhanov, Tof. prom. 44 no 3 32-30 '67
- Heat insulation sprayed on power equipment, S. M. Batshev, D. A. Plius, M. G. Chernyakov, Vest. Sib. no 13 135-37 '67
- Most effective density in packing superthin Kapton insulation R. E. Kizilovskiy, I. I. Chudnovskiy, Vest. Sib. no 13 132-33 '67
- INSULIN—PHYSIOLOGICAL EFFECT**
- Effect of hydrocortisone and insulin on the synthesis of alanine- α -ketoglutarate and aspartate- α -ketoglutarate transaminases in the liver of rats, V. S. IPin, L. I. Polikarpova, Vop. med. khim. no 4 7-8 '67
- INSURANCE, AGRICULTURAL**
- Accounting and distribution of insurance payments in collective farms, V. S. Biloukko, I. S. Nodolnik, Trudy KISKII 54:38-41 '66
- INSURANCE, MATERNITY**
- From the Collegium of the Ministry, Sots. zhurn. 12 no 5 52-53 '67
- On the background? A. Kozlov, Sots. zhurn. 12 no 5 12-15 '67
- INSURANCE, SOCIAL** (see also sub-division under *Belavka, Gorkiy Province, Georgia, Kelovsk District, Tambov Province*)
- Rodionova, E. L. [Social insurance in capitalist countries] Sotsialnoye strakhovanie v kapitalisticheskikh stranakh, Moskva, No. 4, Pod red. N. A. Vinogradova, 1966, 70 p.
- INSURANCE, SOCIAL—ACCOUNTING** (see sub-division under *Belavka District*)
- INSURANCE, SOCIAL—EMPLOYERS** (see also sub-division under *Moscow Province, Nizhny Tagil, Novgorod Province*)
- From the Collegium of the Ministry, Sots. zhurn. 12 no 1 40-51 '67
- INTEGRAL EQUATIONS**
- Averaging in the sense of the mean on a finite time interval V. V. Lazikheva, M. V. Reznik, Dokl. AN SSSR no 171 no 1:21-23 '67
- Estimation of linear functionals in solving problems in problems, A. P. Petrov, Zhurn. vychisl. matemat. fiz. no 7 3 618-65 '67
- Frequency conditions for the stability of the solutions of nonlinear integral equations describing autonomous control V. A. Akhmedov, Vest. LGU no 2 100-101 '67
- Solving incorrect problems in magnetometry and gravimetry, represented by convolution type integral equations, Part 2, V. N. Strakhov, Izv. AN SSSR, Tekhn. no 5 33-63 '67
- Some singular integral equations over a straight line half-line N. N. Rukhmanov, Dokl. AN SSSR no 14 40-41 '67
- Use of a theorem of Hart in studying nonlinear integral equations K. F. Akhmedov, V. P. Vitov, Izv. AN SSSR, Tekhn. no 3 1:667-679 '67
- INTEGRAL EQUATIONS—NUMERICAL SOLUTIONS**
- Numerical solution of nonlinear integral equations with variable upper bound, M. A. Lashchenko, Dokl. AN SSSR, Ser. A 29 no 5 410-122 '67
- INTEGRALS**
- Continuity in L_p of an integral operator with Carleson kernel V. P. Khavin, Vest. LGU no 2 100-101 '67
- Determination of trapping areas in the case of a system of linear differential equations with periodic coefficients, A. A. Shashanov, Differ. urav. 3 no 4:509-510 '67
- Limit theorem for an integral with a periodic kernel and a Brownian process, G. N. Syta, Ukr. mat. zhurn. no 9 130-135 '67
- One characteristic of the integral of wave functions, I. L. Vorob'ev, Sudost. i morevol. no 2:45-49 '67
- INTEGRALS, DIRICHLET**
- Null-sets and a homeomorphism with a finite Dirichlet integral B. P. Kufarev, Dokl. AN SSSR 173 no 5 12-1259 '67
- INTEGRALS, GENERALIZED**
- Absolute summability of conjugate Fourier integrals using G. F. Voronoi's method, I. G. Boltovskoy, Uchen. zap. mat. no 6 11-21 '67
- INTEGRAL DIFFERENTIAL EQUATIONS**
- Accuracy of some difference schemes for hyperbolic and parabolic integral differential equations, N. N. Romanenko, Sbor. rab. VTS MGU no 6:153-161 '67
- Solubility of an integral differential equation, Differ. urav. 3 no 4:695-697 '67
- INTEGRAL DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS**
- Difference method for solving boundary value problems for an integral differential equation, B. M. Budak, Izv. Solov'yeva, Sbor. rab. VTS MGU no 6:34-51 '67

JAPAN—WOMEN—EMPLOYMENT

Japanese working women Makiko Yamamoto Vsem
trud. 16 no 226-28 Mi '67

JAPANESE ART see Art, Japanese

JAUNDICE

Prevention of complications following palliative surgery
in mechanical jaundice B M Shubin, E S Gurtovian
Vest khir 98 no 148-52 Ap '67

Topography of portal hepatic ducts and the possibility
of their use in mechanical jaundice A I Litkovskii
Vest khir 98 no 431-17 Ap '67

White bile B M Shubin, E S Gurtovian Sov med 30
no 5143 Mi '67

JAURES, JEAN LEON, 1859

A reactionary plot against Jaures M S Strogovich
Vop ist. 42 no 5110-123 Mi '67

JERBOAS see subdivision under Transbaikalia

JERUSALEM ARTICHOKE

Effect of gibberellin on carbohydrate content in Helianthus
tuberosus L. R. F. Ilyashko, T V Zubrytska Ukr. bot
zhur. 24 no 29-14 Mi-Ap '67

JET BORING

Some results of experimental studies on using fire-jet
boring methods for rocks of the Allyn-Tophan deposit.
Kh Sharni zaov. Izv. AN Uz. SSR, Ser. tekhn. nauk. 10
no 579-83 Ab.

JET BORING—EQUIPMENT AND SUPPLIES

Investigating resistance to chipping of Kar elan lshtnuz
granites using jet torches. V K Bubok and others.
Zap. IGI 52 no 184-91 '66

JET PLANES

Start of jet planes. N. Shytov. Av. i kosm. no 531-37
Mi '67.

JET PLANES—FUEL

Energy characteristics of metal-containing jet fuels.
V A Piskunov, V N Zhelezov. Neft i naftokhim
no 335-36 '67.

JET PLANES, MILITARY

The first jet aircraft N Shytov. Kiy i od 18 no 57
Mi '67.

JET STREAM

Low-level jet stream as an important factor in the
development of physiogeographical processes M E
Lilashov. Izv. AN SSSR, Ser. geog. no 386-89 My-Je
'67.

JETS—FLUID DYNAMICS

Calculation of a supersonic jet emerging from a plane-
walled nozzle V N Kamolov, U. G. Ponomarev PMTF
no 2117-122 Mi-Ap '67

JEWELRY, AZERBAIJANI

Creative work of Aga Mirza, a skilled Azerbaijani
jeweler S. D. Asadova. Isk. Azerb. no 9:165-171 '63.

JIGS AND FIXTURES

Bogdanov, V. M. [Multipurpose jigs used in the instru-
ment industry] Universialnye konstruktsii dlia pri-
borostroitel'noi promyshlennosti. Leningrad, 1966.
38 p. (Leningradskii dom nauchno-tekhnicheskoi propa-
gandy. Nauchno-tekhnicheskii opyt. Seriya. Progressiv-
nye metody obrabotki materialov)

JOINTS—TUBERCULOSIS

Scientific achievements in surgery of osteoarticular
tuberculosis during 50 years. P. G. Kornev, D. G.
Kovalenko. Vest. khir. 98 no 433-10 Ap '67.

JOINTS (ENGINEERING)

Effect of flange thickness on the tightening stability of
a bolted joint M. M. Kukhtenkov. Izv. vuz. ucheb. zav.
 mashinostr. no 441-44 '67.

Wear resistance of threaded joints of tubing made of
aluminum alloy V. A. Alkhverdieva, A. A. Ismailov.
Mash. i neft. obr. no 110-12 '67.

JOINTS (ENGINEERING)—THERMAL PROPERTIES

Increasing heat conductivity of glued joints. V. M. Popov
and others. Blul. tekhn. i ekon. inform. Gos. nauch. iissl.
Inst. nauch. i tekhn. inform. 20 no 514-5 My '67.
Thermal characteristics of joints of large-panel buildings
having radiant heating systems I N. Avachev, L. I.
Borovskii Nauch. trudy AKKH no 387ept go. no 2
140-149 '65

JOURNALISM, MEDICAL

Soviet military medical press. Voen.-med. zhur. no 5
3-7 My '67.

JOURNALISM, MILITARY

A conference of our readers. A. Kiselev. Voen.-ist. zhur.
9 no 4 108-111 Ap '67.

Remarks and suggestions of our readers. N. Svetitskii.
Voen.-ist. zhur. 9 no 5:105-106 My '67.

JOURNALISTS

A hint devoted to the people. IU Fedinskiy Sov. radio
1 tel. 16 no 332-34 Mi '67.

Where does the along road lead. . . Iurii Vizboi Sov.
radio 1 tel. 16 no 122-23 Ja '67

JOURNALISTS, TATAR

Our personal correspondent N Stoltov Sov. radio 1
tel. 16 no 335 Mi '67

JUDGES

A position of authority G. Kravtsov Sov. ust. 31
no 926-27 My '67.

JUDGES—EDUCATION AND TRAINING

Role of the Presidium of the Supreme Court of the
U S S R in the education and training of judges and
court employees S. Zolalova Sov. ust. 31 no 10
9-10 My '67

JUDICIAL ERROR

The tale about a goldfish. I Bykhovski Sots. zakon
no 562-66 My '67

JUDICIAL REVIEW OF ADMINISTRATIVE ACTS

Some problems of the judicial review of administrative
acts E. B. Gekker Trudy ik un. 39 215-230 '65

JUMPING PLANT LICE see subdivision under Tajikistan

JUNCTION TRANSISTORS

Alloyed cuprous oxide p - n-junctions and their para-
meters. P. A. Kotsimakhia, N. P. Likhobabin. Izv.
vys. ucheb. zav. fiz. no. 125-129 '67

Effect of the growth conditions on the electric properties
of oxydized p - n-junctions in gallium arsenide. M. D.
Vilanova, L. G. Lavrenteva, L. B. Cherkova. Izv. vys.
ucheb. zav. fiz. no 4 155-157 '67

JUSTICE, ADMINISTRATION OF

(see also subdivision under Ukraine)

Development of the public prosecutor's general super-
vision of the observance of laws in the Soviet state.
S. Berezovskaya. Sots. zakon. no 512-18 My '67.
Examination of civil cases during the Patriotic War
A. Bonner. Sov. ust. 31 no 919-20 My '67

General supervision of the observance of laws. I. Baram.
Sots. zakon. no 554 My '67.

How public prosecutors supervise the legality of court
sentences, decisions, and rulings. I. U. Konevskii,
O. Fenushkin. Sots. zakon. no 540-41 My '67.

Let us have over the forms and methods of preventing the
violation of civil law. IU Ostrov. Sov. ust. 31 no 9
2-3 My '67

JUVENILE DELINQUENCY

Meinikova, E. B. [Juvenile delinquency in capitalist
countries] Pieslupnost' nesovetskennoleitnikh v kapital-
sticheskih stranakh. Moskva, URK, III-ra.
Pl. I. 1967 149 p.

Probationary period in suspended sentences imposed
upon the minors. V. S. Orlov. Vest. Mosk. un. Ser. 12;
Pravo 22 no 213-13 My-Je '67

Suspended sentences and the prevention of the recidivism
of minors. Sov. ust. 31 no 1018-19 My '67

Teaching them to live among people. I. O. Synytsin.
Rad. shk. 46 no 5:45-51 My '67

A verdict on egotism and meanness. V. Sokolov. Sov.
ust. 31 no 927-29 My '67

KADANOV, ANDREI SERGEEVICH, 1854-

A. S. Kabanov's autobiography, September 1880. Uch. zap.
Ulian. gos. ped. inst. 18 no 3:180-193 '63.

KABARDINKA (KRASNODAR TERRITORY)—STARCH

INDUSTRY—EQUIPMENT AND SUPPLIES
Soaking of corn aluminum tanks at the Kabardinka Starch
Plant. B. K. Bychkov. Sakh. prom. 41 no 5:50-61 My
'67.

KACHKANAR, MOUNT—IRON MINES AND MINING—ESTIMATES AND COSTS

Establishing economically advantageous correlations
between losses and depletion of ore during working of
Kachkanar deposit. A. N. Ivchenko, P. P. Bastan, A. V.
Gal'ianov Izv. vys. ucheb. zav. gor. zhur. 10 no 3
25-31 '67

KACHKANAR, MOUNT—IRON ORES

Automation of the process of magnetic dressing of iron
ores N. B. Onuchin, N. V. Svirasev, A. E. Trop. Izv.
vys. ucheb. zav. gor. zhur. 10 no 3 141-141 '67

KACHKANAR, MOUNT—PYROXENES

Chloropyroxenes of pyroxenites from Kachkanar (Urals).
D. S. Steinhilber, V. G. Fomnykh. Zap. Vses. min. -
ob-va 96 '67.

KACHKANAR, MOUNT—PYROXENITE

Chloropyroxenes of pyroxenites from Kachkanar (Urals).
D. S. Steinhilber, V. G. Fomnykh. Zap. Vses. min.
ob-va 96 '67.

KADENSKII, ALEKSEI ALEKSANDROVICH, 1912-

Life and work of A. A. Kadenskii S. S. Kuznetsov. Uch.
zap. Ped. inst. Gerts. 200.17-29 '66.

KAGAN DISTRICT—COTTON GROWING

Boundary that unites A. Sokolov Sov. profsoiuzy 23
no 8 8-9 My '67

KALASHNIKOV, IVAN TIMOFEEVICH, 1797-1863

Reflection of the philosophical search of the Russian
intellectuals in I. T. Kalashnikov's novel "The Automa-
ton" B. P. Leont'ev Trudy ik un. 33:183-196 '64

KALININGRAD PROVINCE—EPIDEMIOLOGY—CONGRESSES

Second Scientific and Practical Conference of Epidemiolo-
gists, Microbiologists and Infectious Disease Specialists
of Kaliningrad Province. S. M. Baits, N. I. Lashchenov,
M. G. Klenkova. Zhur. mikrobiol., epid. i immun. 11
no 6:151-153 Je '67.

KALKIKREIN

New data on kallikrein of rabbit blood serum T. S.
Pashkina, V. P. Zylova. Dokl. AN SSSR 173 no 6:1451-
1451 Ap '67

KALMYK LITERATURE—BIBLIOGRAPHY

Dzhimgirov, M. E. [Writers of Soviet Kalmykia; a bio-
bibliographic handbook] Pisatel' Sovetskoi Kalmykii,
bibliograficheskii spravochnik. Elista, Kalmytskoe
knizhnoe izd-vo, 1966 221 p.

KALUGA—ESSENCES AND ESSENTIAL OILS

Kaluga Order of the Red Banner of Labor Aromatic
Synthetic Substances Combine V. A. Tshubalov. Mash-
zhil. prom. 33 no 3 1-6 Mi '67

KALUGA HIGHLAND—GAS, NATURAL—STORAGE

Determining productive characteristics of producing
wells when pumping gas into underground storage
P. I. Kazakov, I. N. Bykov, E. V. Steimova. Gaz. prom.
32 no 3:32-34 Mi '67

KALUSH REGION (UKRAINE)—POTASH MINES AND MINING

Permanent dimensions of inter-chamber pillars, and ways
of reducing ore losses in pillars P. I. Galushko and
others. Izv. vys. ucheb. zav. gor. zhur. 10 no 3 35-
38 '67.

KAMA KINEL' DEPRESSION—PALEONTOLOGY, STRATIGRAPHY

Stratigraphy of lower part of Lower Carboniferous in
Kama-Kineli Troughs. V. S. Gubareva. Trudy VNIIGI
no 51:137-159 '66.

KAMA-PECHORA-VYCHEGDA RESERVOIR

Rate of the filling of the Kama-Pechora-Vychegda Reser-
voir L. A. Zhiykovskii. Vest. Mosk. un. Ser. 5 Geog.
22 no 2 109-112 Mi-Ap '67.

KAMA RIVER—NAVIGATION

Development of waterways in the Kama basin N. Popov
Rech. transp. 26 no 4 39-40 '67

KAMA RIVER—SHIPPING

Five-day workweek in river transportation. G. Alekseev.
Rech. transp. 26 no 3 11-12 '67

KAMA VALLEY—ARCHITECTURE, DOMESTIC

Chuvash settlements and dwellings in the Kama Valley and
the southern Ural Mountain region. L. A. Ivanov. Uch.
zap. CHIMIALIE no 29 184-211 '65.

KAMA VALLEY—GEOLOGY

Dashkir carbonaceous sediments in western regions of
Upper Kama Depression. M. I. Ostrovskii. Trudy
VNIIGI no 51:203-206 '66.

KAMA VALLEY—POTASH MINES AND MINING

Determining indices of potassium salt drillability as in-
vestigated in mines. V. Z. Deyev, A. N. Tregubov,
D. M. Svetlichnyi. Nauch. trudy PermNIUI no. 7:239-
244 '64.

Parameters of chambers and boring and blasting opera-
tions in conditions of the carnallite deposit at the Soli-
kamsk Potash Mine. G. L. Lapin and others. Nauch.
trudy PermNIUI no. 7:200-207 '64.

Some results of investigating deformability of carnallite
in terms of time. V. L. Vodop'ianov, A. M. Urazova.
Nauch. trudy PermNIUI no. 7:263-272 '64.

KAMA VALLEY—POTASH MINES AND MINING—MANAGEMENT

Studying discharge regularities of sylvanite ore from
hoppers. A. N. Tregubov. Nauch. trudy PermNIUI
no. 7:255-260 '64.

KAMA VALLEY—POTASSIUM SALTS—TESTING

Investigating rocks of Upper Kama deposits in relation
to their uniaxial compression, contact strength, and
abrasiveness. D. M. Svetlichnyi and others. Nauch.
trudy PermNIUI no. 7:245-253 '64.

KAZAKHISTAN—BEETLES

Seven weevils in Kazakhstan V Kambulin. Vest sel'-skoz nauki [Kazakh] 10 no.5 99-101 My '67

KAZAKHISTAN—BUILDING—ESTIMATES

Stipply construction with a dependable base estimates for V. Netisaga Nar.khoz.kazakh no.5:7-61 My '67

KAZAKHISTAN—CATTLE—DISEASES AND PESTS

Case of lymphatic testemia of cattle in Alma-Ata Province. F. M. Kazayva. Vest sel'khoz. nauki [Kazakh] 13 no.2 115-117 F '67.

KAZAKHISTAN—CATTLE—PHYSIOLOGY

Water balance in Alatau dairy cows. A. I. U. Kozhakhmetova, A. A. Kemelev, Kh. Kareshev. Vest sel'khoz. nauki [Kazakh] 10 no.2 55-59 F '67.

KAZAKHISTAN—CITIES AND TOWNS

Economic structure of cities in the new industrial centers of Northern Kazakhstan. K. B. Bazarbayev, D. V. Kazanova. Probl. sovi. ekon. Kazakh. no.2 222-224 '66

KAZAKHISTAN—COAL MINES AND MINING

The coal industry in 1966 in economic survey A. Shorinbayev, V. Semkin, I. Timofeev. Nar.khoz.Kazakh 25 no.4 60-62 Ap '67

KAZAKHISTAN—COAL MINES AND MINING—MANAGEMENT

Improving the efficiency of production in the coal industry of Kazakhstan L. N. Lashina, L. M. Fedorova. Probl. sovi. ekon. Kazakh no.2:119-136 '66

KAZAKHISTAN—COAL MINES AND MINING—RESEARCH

What coal miners expect from scientists. I. U. Khudin, O. Khin, I. Rudoi. Nar.khoz.Kazakh no.4 30-32 My '67.

KAZAKHISTAN—COLLECTIVE FARMS—PENSIONS

On Kazakh collective farms V. Leon'ev. Sov. obshch. 42 no.3:9-11 My '67.

KAZAKHISTAN—COMMERCE

Kazakhstan trades abroad T. Bakibayev. Nar.khoz.kazakh. no.5 8-10 My '67

KAZAKHISTAN—COMMUNIST EDUCATION

We must provide the readers with necessary books. A. Zilazirov. Agitator no.24:43-44 D '63.

KAZAKHISTAN—CONSTRUCTION INDUSTRY—ACCOUNTING

Brigade business accounting in construction. S. Vasilievskii. Nar.khoz.Kazakh 25 no.1:89-91 Ap '67.

KAZAKHISTAN—CONSTRUCTION INDUSTRY—CONGRESSES

Overcome lagging in capital construction. N. Fedorov. Nar.khoz.Kazakh. 25 no.4:12-47 Ap '67.

KAZAKHISTAN—CONSTRUCTION INDUSTRY—MANAGEMENT

Basic problems of scientific labor organization. A. Maksimov. Nar.khoz.Kazakh. 25 no.1:74-78 Ap '67

The economic incentive funds in construction F. Ufimtsev. Nar.khoz.Kazakh no.5:53-56 My '67

It is not too late to correct the situation. T. Bukharbayev. Nar.khoz.Kazakh no.3:45-48 My '67

KAZAKHISTAN—CRUSHED STONE INDUSTRY

Production and needs. A. Aksepiod, T. Bukharbayev, V. Mutshev. Nar.khoz.Kazakh 25 no.4:31-38 Ap '67

KAZAKHISTAN—DARKLING BEETLES

Darkling beetles in eastern Kazakhstan. N. N. Gorbunov. Zh. zh. i. 12 no.5 21 '67

KAZAKHISTAN—ECONOMIC CONDITIONS

Economy and economic science at the present stage of the building of communism. S. B. Baitshiev. Probl. sovi. ekon. Kazakh. no.2 3-35 '66.

KAZAKHISTAN—EDUCATION

Development of public education in Kazakhstan. K. A. Yumakov. Sov. pedagog. 31 no.5:25-32 My '67.

KAZAKHISTAN—EFFICIENCY, INDUSTRIAL

On the problem of increasing the efficiency of social production. T. V. Chechelova. Probl. sovi. ekon. Kazakh. no.2:36-67 '66.

KAZAKHISTAN—ELECTRIC POWER DISTRIBUTION

We carry out our plans! An interview with T. I. Baturov, Minister of Power Engineering and Electrification of the Kazakh S.S.R. Nar.khoz.Kazakh. no.5:6-7 My '67

KAZAKHISTAN—ENCEPHALITIS, EPIDEMIC

Fuel of tick-borne encephalitis in the zone of dry steppes (saurdessaits). N. K. Dmitriyenko, E. T. Prikhodko. Med. paraz. i paraz. bol. 36 no.3:276-279 My-Je '67.

KAZAKHISTAN—FISHES—DISEASES AND PESTS

Nauchno-proizvodstvennaya konferentsiya po bor'be s boleznyami ryb v Kazakhstane i respublikakh Srednei Azii Alma-Ata, 1966. [Fish diseases and their control, materials] Bolezni ryb i mery bor'by s nimi, materialy Alma-Ata, Nauka, 1966. 150 p.

KAZAKHISTAN—FOLDS (GEOLOGY)

Genetic variety of folds A. I. Suvorov. Dokl. AN SSSR 174 no.1 177-180 My '67

KAZAKHISTAN—FOOD INDUSTRY—MANAGEMENT

Basic problems were missed S. Khassainova. Nar.khoz.Kazakh no.5:23-24 My '67

KAZAKHISTAN—FOOD INDUSTRY—STATISTICS

Principal results and tasks of developing the food industry in the republic. M. G. Lisacva. Probl. sovi. ekon. Kazakh no.2:158-159 '66.

KAZAKHISTAN—FREIGHT AND FREIGHTAGE

The economic reform and transport. I. Polishchuk. Nar.khoz.Kazakh no.5 25-28 My '67

Some problems of coordinating individual types of transportation. L. I. Kiseleva. Probl. sovi. ekon. Kazakh. no.2:190-190 '66.

KAZAKHISTAN—GEOLOGICAL TIME

Age and thickness of Malokop layers in central Kazakhstan M. F. Lufanova. Uch. zap. Ped. inst. Gerts. 200:221-223 '66.

KAZAKHISTAN—GEOLOGY—CONGRESSES

Akademika nauk SSSR. Otdeleniye nauk o Zemle. [Problems of the geology of Central Asia and Kazakhstan; reports on the out-of-town session, 1964 of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R.] Problemy geologii Srednei Azii i Kazakhstana, doklady na Vyezdnoi sessii 1964 g. Otdeleniya nauk o Zemle AN SSSR. Moskva, Nauka, 1967. 148 p. diagrs. and maps (insert)

KAZAKHISTAN—GEOLOGY, STRATIGRAPHIC

Age and thickness of Malokop layers in central Kazakhstan. M. F. Lufanova. Uch. zap. Ped. inst. Gerts. 200:221-233 '66.

KAZAKHISTAN—GEOLOGY, STRUCTURAL

Metalliferous regionalization of eastern Kazakhstan Sh. T. Esenov, D. S. Kunnev. Vest. AN Kazakh SSR 23 no.1 18-28 Ap '67

KAZAKHISTAN—GRAIN

Chai statistics of sowing spring crops in northern Kazakhstan A. Baisayev. Zemel'delie 29 no.5 70 My '67

KAZAKHISTAN—GRAIN—STORAGE

One of the most important means for preserving grain. A. Mambetov. Zakup. sel'khoz. prod. no.5 16-17 My '67.

KAZAKHISTAN—GRAIN HANDLING

Prepare carefully for the unloading of heavy loaded trucks in Kazakhstan I. Seltisvskii, V. Suppes. Muk. elev. prom. 33 no.4 14 Ap '67

KAZAKHISTAN—GRANITE—ANALYSES

Metamorphic phenomena in some granite massifs of the Akchatau complex (central Kazakhstan) K. V. Prokhorov. Izv. AN SSSR, Ser. geol. no.5 59-70 My '67.

KAZAKHISTAN—HAY—STORAGE

[Overall mechanization of the storage of roughage] Kompleksnaya mekhanizatsiya zangolovki grubyykh kormov. Moskva, Kolos, 1967. 63 p.

KAZAKHISTAN—HEMORRHAGIC SEPTICEMIA OF CATTLE—PREVENTIVE INOCULATION

Polyvalent vaccination against anthrax, symptomatic anthrax and pastorellosis in cattle. A. F. Mishutin. Vest. sel'khoz. nauki [Kazakh] 10 no.2:62-66 F '67.

KAZAKHISTAN—HISTORIOGRAPHY

V. I. Lenin and some problems in the historiography of Kazakhstan G. F. Davshshleiger. Vest. AN Kazakh SSR 23 no.4 8-17 Ap '67

KAZAKHISTAN—HOURS OF LABOR

The five-day workweek Nar.khoz.Kazakh. no.5:3-5 My '67.

KAZAKHISTAN—INDUSTRIAL MANAGEMENT

Campaign of the economy minded. U. Razumovskii. Nar.khoz.Kazakh. 25 no.4:80-83 Ap '67.

Industrial management and its scientific organization. N. I. Petrushtin. Probl. sovi. ekon. Kazakh. no.2:93-110 '66.

Results of work in the new way. A. Shchevayev, L. Shilina. Nar.khoz.Kazakh. 25 no.4:10-14 Ap '67.

Volunteer participation in industrial management. R. Solodilova. Nar.khoz.Kazakh. 25 no.4:63-66 Ap '67

KAZAKHISTAN—INDUSTRIES

Kazakhstan trades abroad T. Bakibayev. Nar.khoz.Kazakh no.5 8-10 My '67

Rules and proportions of industrial development. T. A. Ashimbayev. Probl. sovi. ekon. Kazakh no.2:68-92 '66.

Role of the mechanization of auxiliary work in increasing the efficiency of production N. G. Ushkvaenko. Probl. sovi. ekon. Kazakh no.2 170-179 '66.

The second year of the five-year plan Nar.khoz.Kazakh no.5 29 My '67

The second year of the five-year plan Nar.khoz.Kazakh 25 no.1 79 Ap '67.

KAZAKHISTAN—IRRIGATION

Irrigation rates for northern Kazakhstan S. Malik. Zemel'delie 29 no.5 71 My '67

KAZAKHISTAN—ISOMORPHISM (CRYSTALLOGRAPHY)

Isomorphism of Zn and Cd, Zn and Ge in sphalerites in light of new data on deposits in Karatau (South Kazakhstan) E. S. Zorin and others. Vest. LGU 22 no.6 91-93 M '67

KAZAKHISTAN—KNIT GOODS INDUSTRY—INDUSTRIAL CAPACITY

Mastering of new capacities is a primary general concern. P. Aisenko. Nar.khoz.Kazakh. 25 no.4 55-59 Ap '67.

KAZAKHISTAN—MALARIA

Grouping of populated areas based on the degree of danger of spreading of imported malaria and on the rationalized planning of prophylactic antimalarial measures in the Kazakh S.S.R. I. M. Grosheva, M. S. Pavlova, D. F. Petrova. Med. paraz. i paraz. bol. 36 no.3 340-352 My-Je '67.

KAZAKHISTAN—MAMMALS, FOSSIL

Complexes of the Quaternary mammals of Kazakhstan. B. S. Kozhamkulova. Izv. AN Kazakh SSR. Ser. geol. 21 no.3 44 My-Je '67

KAZAKHISTAN—MECHANIZATION

Role of the mechanization of auxiliary work in increasing the efficiency of production. N. G. Ushkvaenko. Probl. sovi. ekon. Kazakh. no.2:170-179 '66.

KAZAKHISTAN—MEDICAL GEOGRAPHY

Grouping of populated areas based on the degree of danger of spreading of imported malaria and on the rationalized planning of prophylactic antimalarial measures in the Kazakh S.S.R. I. M. Grosheva, M. S. Pavlova, D. F. Petrova. Med. paraz. i paraz. bol. 36 no.3:340-352 My-Je '67.

KAZAKHISTAN—METAMORPHISM (GEOLOGY)

Endomorph phenomena in some granite massifs of the Akchatau complex (central Kazakhstan) K. V. Prokhorov. Izv. AN SSSR, Ser. geol. no.5 59-70 My '67.

KAZAKHISTAN—MIGRATION, INTERNAL

Important potentially for the economy of public labor, on the migration of the population in Kazakhstan. E. N. Gladysheva. Probl. sovi. ekon. Kazakh. no.2:245-257 '66

KAZAKHISTAN—MINING MACHINERY

The order has been signed, but what is next? G. Sadomov. Nar.khoz.Kazakh. no.5:33-38 My '67.

KAZAKHISTAN—MORPHOLOGY—CONGRESSES

Scientific conference of morphologists of Kazakhstan. Akh. anat., gist. i embr. 52 no.5 111-113 My '67.

KAZAKHISTAN—NATURAL RESOURCES—VALUATION

Comprehensive economic evaluation of natural resources in the republic. M. S. Vasil'eva. Probl. sovi. ekon. Kazakh. no.2:207-221 '66.

KAZAKHISTAN—NONFERROUS METAL INDUSTRIES—EQUIPMENT AND SUPPLIES

The order has been signed, but what is next? G. Sadomov. Nar.khoz.Kazakh. no.5:33-38 My '67

KAZAKHISTAN—ORE DEPOSITS

Geochemistry of Lower Permian and Miocene terrigenous-halogen sediments in southern Kazakhstan. I. I. Tolmachev, A. B. L. L. M. M. Maillbayev. Izv. AN Kazakh. SSR. Ser. geol. 24 no.3 22-31 My-Je '67.

Metalliferous regionalization of eastern Kazakhstan. Sh. T. Esenov, D. S. Kunnev. Vest. AN Kazakh SSR 23 no.4 10-28 Ap '67.

KAZAKHISTAN—PALEOBOTANY

New Oligocene flora from western Kazakhstan. L. M. Iatalkin. Nauch. dokl. vys. shkoly, biol. nauki 10 no.4 83-85 '67.

KAZAKHISTAN—PETROLEUM—ANALYSIS

Influence of the quality of petroleum on the economics of their production and refining. O. I. Egorov. Probl. sovi. ekon. Kazakh. no.2:137-149 '66.

KHARKOV PROVINCE—STATE FARMS—COSTS

Field accounting for production costs. V.E. Antipenskiy, V.N. Bardinov. *Trudy KHSKII* 54 16-21 '66.

KHARKOV PROVINCE—STATE FARMS—FINANCE

Ways of improving the economy of state farms. I.A. Belchikova, V.K. Kucherenko. *Trudy KHSKII* 54 31-37 '66.

KHARKOV PROVINCE—SUGAR BEETS—HARVESTING

Economic efficiency of shortening time required for sugar beet harvesting. L.M. Anichkin. *Trudy KHSKII* 54 123-127 '66.

KHARKOV PROVINCE—VEGETABLE GARDENING—FINANCE

Ways of increasing the profitability of growing vegetables on state farms. V.E. Antipenskiy. *Trudy KHSKII* 54, 5-9 '66.

KHERSON PROVINCE—AGRICULTURE

The fields are calling. N. Gladyshev. *Agitator* 35 no 11: 42-44 Je '67.

KHERSON PROVINCE—VITICULTURE

Creative awards for the best work. P. Zinchenko. *Ekhn. sikhov* 42 no. 5 18-19 '67.

KHILOK VALLEY—ZEOLITES

Characteristics of distribution of authigenic zeolites (laumontite and heulandite) in sedimentary rocks of Tshagatay coal deposit. E.Z. Burdakov, V.V. Bogdanov. *Lit. i pol. skop* no 2 59-68 Mi-Ap '67.

KHINGAN MOUNTAINS—CASSITERITE

Distribution of indium, columbium, and scandium in cassiterites of Khingan deposit. N.N. Nikulin. *Vest. LGU* 22 no 6 81-87 Mi '67.

KHINGAN MOUNTAINS—METALS, RARE AND MINOR

Distribution of indium, columbium, and scandium in cassiterites of Khingan deposit. N.N. Nikulin. *Vest. LGU* 22 no 6 81-87 Mi '67.

KHIVA KHANATE—HISTORY

Sadykov, A.S. [Economic relations between Khiva and Russia in the second half of the 19th and the early 20th century.] *Ekonicheskie svyazi Khiva s Rossiye vo vtoroi polovine XIX—nachale XX vv.* Tashkent, Nauka, 1965, 181 p.

KHMELENIK DISTRICT—AGRICULTURAL CREDIT

State Bank credit and strengthening the economy of collective farms. D. Okolodko, V. Gotsatskiy. *Den. i kred.* 25 no. 4 48-50 Ap '67.

KHMELENIK DISTRICT—COLLECTIVE FARMS—FINANCE

State Bank credit and strengthening the economy of collective farms. D. Okolodko, V. Gotsatskiy. *Den. i kred.* 25 no 4 48-50 Ap '67.

KHMELENTSKIY PROVINCE—AGRICULTURE

Our crops are high and steady. G. Tkachuk. *Agitator* no. 6 36-39 Mi '61.

KHMELENTSKIY PROVINCE—PHYSICAL GEOGRAPHY

Irregular form of geographical complexes of Khmelent'skiy Province. A.P. Kutsenko. *Visnyk L'viv univ. Ser. geogr.* no 4 81-83 '66.

KHODNOVICH GAS FIELD—GAS, NATURAL—GEOLOGY

Characteristics of geology and gas occurrence in Khodnovich field. R.I. Gumer, I.M. Potriv, A.I. Tkachuk. *Gaz doba* no. 3 9-14 '67.

KHOREZM PROVINCE—PLANTS, EFFECT OF SALTS ON

Preventing salt poisoning of bud grafted plants. G.M. Gavrilov. *Vest. sel'khoz. nauk* 12 no. 5 128-130 My '67.

KHOTIMSKII, BORIS

"Pozharka" Boris Khodimskii's first book. I.U. Grigorenko. *V mire knig* no. 3 29 '67.

KIDNEYS

Dynamics of glycogen in the tissues of developing secondary kidney in man. A.A. Voloshchenko. *Arkh. anat., gist. i embriol.* 32 no. 5 22-30 My '67.

Pathogenic effect of nephrocytotoxic serum on the embryonal development of white mice. V.M. Mikhailov. *Bull. eksp. biol. i med.* 63 no. 6 97-100 Je '67.

KIDNEYS—CONGRESSES

2d Scientific Conference on Water and Salt Metabolism and Function of the Kidneys in Novosibirsk Dedicated to the Memory of A.G. Ginetalskiy. I.U. V. Natchin. *Fiziol. zhur.* 53 no. 5 609-611 '67.

KIDNEYS—DISEASES

Endogenous stimulants of hematopoiesis in kidney patients. K.I. Kandelaki. *Soob. AN Gruz SSR* 46 no 1: 249-253 Ap '67.

Errors in the diagnosis of giant hydronephrosis. N.A. Salata, V.P. Koval'. *Klin. khir.* no. 3 59-60 Mr '67.

KIDNEYS—TUMORS

Diagnosis of tumors of the kidney pelvis and ureter. T.E. Vanun, Zhur. eksp. i klin. med. 7 no. 2 36-44 '67.

KIEV—ALGAE—CULTURES AND CULTURE MEDIA

Mass culture of *Chlorella* produced in Kiev. Report No 2. Open-air cultivation. H.M. Palamar-Mordvintseva. *Ukr. bot. zhur.* 21 no. 3 55-61 My-Je '67.

Mass culture of *Chlorella* under conditions of Kiev. Report No 1. Laboratory experiments. H.M. Palamar-Mordvintseva. *Ukr. bot. zhur.* 21 no. 2 79-84 Mr-Ap '67.

KIEV—CLOTHING INDUSTRY—FINANCE

First results of the work in the new way of the "October" Clothing Factory workers. H. Ilusenko, H. Tsema. *Ekhn. Rad. Ukr.* 10 no. 5 16-19 My '67.

KIEV—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

Experimental control over the planning system in construction. N. Zaslavskiy, M. Tsalko, I.U. Shevchuk. *Ekhn. Rad. Ukr.* 10 no. 2 53-60 F '67.

KIEV—DEPARTMENT STORES—FINANCE

Economic work in a trade enterprise. V. Bohatyrev, V. Ivanytskiy. *Ekhn. Rad. Ukr.* 10 no. 3 66-70 Mi '67.

KIEV—DISABILITY EVALUATION

Complete mutual understanding. P. Semenova. *Sots. obesp.* 42 no. 4 31-32 Ap '67.

KIEV—INDUSTRIAL WASTES

Mechanized processing and loading of waste products. V.M. Shapoval, P.N. Kulchitskiy. *Mekh. i avtom. prom.* 21 no 5 11-15 '67.

KIEV—MEDICAL MICROBIOLOGY—STUDY AND TEACHING

Brief news. S.N. Tereshkov. *Zhur. mikrobiol., epid. i immun.* 14 no. 6 150-161 Je '67.

KIEV—MOTORCYCLE INDUSTRY WORKERS

Individual approach to everybody. V. Khiletskiy. *Sov. profsotuz* 23 no 6 33-44 Ap '67.

KIEV—PROSTHESES

The plant has four branches. P. Semichukova. *Sots. obesp.* 42 no 5 50-51 My '67.

KIEV—SCHOOL SUPERINTENDENTS AND PRINCIPALS

School principals and student collectives. O. Tsvetko. *Rad. shk.* 46 no 3 81-89 My '67.

KIEV—SCOPOLIA

Embryological study of *Scopolia* larva Dun grown in Kiev. H.I. Iluschenko. *Ukr. bot. zhur.* 21 no 3 26-32 My-Je '67.

KIEV—STATISTICS

Kiev. *Statisticheskie upravleniye*. [Kiev in figures, a statistical abstract.] Kiev v lyakh; statistichnyi zbirnyk. Kiev, Statistika, 1966, 161 p.

KIEV—STREETS—DESIGN AND CONSTRUCTION

New data on designing slopes in city street construction. G.P. Stepanenko. *Nauk. i tekhn. v gor. khoz.* no 5 28-31 '66.

KIEV—TELEVISION STATIONS

Work practices in the television center of Kiev, an enterprise of communist labor. K.A. Vokusev. *Vest. svyazi* 27 no. 5 15-16 My '67.

KIEV PROVINCE—AGRICULTURAL MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Everybody is in search. S. Likhovid. *Sov. profsotuz* 23 no 6 15-17 Ap '67.

KIEV PROVINCE—ROADS

Past and present status of the Kiev highway junction. K. Terenetskiy. *Avt. doi.* 30 no. 5 15 My '67.

KIEV REGION—LUNGWORT

Characteristics of heterostyly in *Pulmonaria officinalis* L. L.A. S. Modylova, L.K. Dziubenko. *Ukr. bot. zhur.* 24 no. 2 15-23 Mi-Ap '67.

KIEV REGION—RESERVOIRS

Calculation of the inflow in the reservoir of the Kiev Hydroelectric Power Station for a ten-day period in summer-autumn season. T.I. Mereson. *Trudy GGI* no 138 95-106 '67.

KILNS

Kozlovskiy, V.R. [Automatic control of kilns in the refractories industry.] *Avtomatizatsiya pochoy ogneupor. no promyshlennosti*. Moskva, Metallurgiya, 1967, 177 p.

Selecting the size of longitudinal spacing between setting in tunnel kilns. V.G. Abakumov. *Ogneupor* 32 no. 4 13-16 '67.

KILNS—DESIGN AND CONSTRUCTION

Automatic control of thermal conditions in tunnel kilns. L.I. Skusnov, L.M. Shafran, N.S. Dmitrichenko. *Ogneupor* 32 no 5 18-21 '67.

Improving the design of steel pouring equipment in tunnel kilns. M.I. Kolesnik, K.F. Postolitsa. *Ogneupor* 32 no 5 17-18 '67.

New type of heating chamber for dryer drums. M.P. Dvornat, L.G. Stochek. *Ogneupor* 32 no 5 15-16 '67.

Performance of tunnel kiln injector devices at the Nikitovka Dolomite Combine. P. Lokot and others. *Ogneupor* 32 no 5 11-15 '67.

KILNS, ROTARY

Increasing the service life of linings in rotary tubular kilns. N.S. Ushakov, V.A. Prizobil'syn, I.Svet met 10 no 5 35-39 My '67.

Recorder and indicator of rotary kiln turning angles. V.V. Dushklov. *Ogneupor* 32 no 1 58-59 '67.

KIMBERLITE

Determination of the absolute age of Kimberlites. P.V. Karamushin, S.V. Potapov. *Izv. AN SSSR Ser. geol. nauch.* 143-144 My '67.

KIMOVSK (TULA PROVINCE)—BAKERIES—EQUIPMENT AND SUPPLIES

Repair of rollers of the KMF dough-rolling machine. A.I. Gruzinskiy. *Khleb. i kond. prom.* 11 no 5 31-35 My '67.

KINEMATIC GEOMETRY

Role of kinematic surfaces in developing the shape of automobile bodies. E.K. Antonov. *Prikl. geom. i inzh. graf.* no 3 87-90 '65.

KINEMATICS

Shelst, V.P. [Lectures on the relativistic kinematics of one-particle states.] *Lektsii po relativisticheskoi kinematike odnochastichnykh sostoyaniy*. [Dubna, 1967] 30 p.

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KINETICS see Motion

KINGSEPP REGION (LENINGRAD PROVINCE)—A PATITE MINES AND MINING

Selecting parameters, and efficiency of the panel system of open-pit mining, on the example of Kingsepp phosphorite deposit. I.G. Fyrmovskiy, I.M. Norikin. *Zap. LGU* 52 no 1 20-33 '66.

KINGSEPP REGION (LENINGRAD PROVINCE)—A PATITE MINES AND MINING—COLD WEATHER CONDITIONS

Determining parameters of mining operations during working small benches with draglines, on the example of Kingsepp deposit. I.M. Norikin. *Zap. LGU* 52 no. 1 19-41 '66.

KIRGHIZ LANGUAGE—SENTENCES

Chonbashev, K.S. [Some types of Russian complex sentences and the appertaining constructions of the Kirghiz language; a textbook for teachers, philology students, and translators.] *O nekotorykh tipakh slozupodchinenykh pri edlozhenii russkogoazyka i sootvetstvushchikh im konstruktsiyakh v kirgizskomazyke, posobie dlya uchitel'ov, studentov-filologov, pervovuchikov*. Frunze, Kirgizskoe gos. uchebno-pedagog. izd-vo, 1964, 81 p. (in U)

KIRGHIZISTAN—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Machinery industry prevailed. A.N. Iusupov. *Izobr. izv.* no. 11 15-17 N '66.

KIRGHIZISTAN—MINES AND MINERAL RESOURCES

Development of mineral resources in Kirghizia during the Soviet regime. K.D. Pomazkov. *Razved. i okh. nedr.* 33 no. 5 1-2 My '67.

KIRGHIZISTAN—SPRINKLER IRRIGATION

Sprinkler irrigation in Kirghizia. *Izobr. i izv.* no. 11 15-17 N '66.

KIROV, SERGI

S.M. Kirova. *Ist. KES*

- KIROVAKAN—CITY PLANNING**
Possibility of wetting Kizel Basin coals with steam. I. U. A. Oskov, I. U. V. Kuznetsov. Nauch. trudy PermNIU no. 7:211-216 '64.
- KIROVAKAN—MACHINE-TOOL INDUSTRY**
Production of machine tools for the Kizel Basin. Prom. 33 no. 3:107-108 '67.
- KIROVOGRAD PROVINCE—FOOD INDUSTRY—MANAGEMENT**
Costs of maintaining inclined workings. I. S. T. Sukerman, M. A. Shilov, V. A. Moskvina. Nauch. trudy PermNIU no. 7:107-116 '64.
- KIROVOGRAD PROVINCE—INDUSTRIAL MANAGEMENT—CONGRESSES**
Calculation of the effect of the organization in Kirovograd Province. Prom. 33 no. 2:143-144 '67.
- KISHINEV RANGE REGION—GEOLOGY**
Geological structure of the Kishinev Range and the adjacent part of the Kishinev Platform. B. A. Sokolov. Vest. AN SSSR, Ser. geol. 24 no. 2:24-41. Mr.-Ap '67.
- KISHINEV—FLOUR MILLS—FINANCE**
Calculation of the effect of the distribution of general expenses at grain combines from the practices of the Finance Group. Prom. 33 no. 2:21-22 '67.
- KISHINEV—FUMIGATION**
Fumigation of grain. V. N. Rabin. Zashch. rast. 12 no. 5:41 '67.
- KISHINEV—HISTORY**
Kishinevskiy gosudarstvennyy universitet. Kafedra istorii SSSR [History of Kishinev]. Istoriya Kishineva. Kishinev, Karla Moldovtshaske, 1966. 562 p. illus., ports., maps.
(CSI-H)
- KISHINEV—PLANTS, PROTECTION OF—STUDY AND TEACHING**
Student teams. I. N. Kobzar, M. D. Vronskikh. Zashch. rast. 12 no. 5:5-6 '67.
- KISHINEV—VEGETABLE TRADE—MANAGEMENT**
Secret of the Odessa curmish and the Kishinev tomato. Prom. 33 no. 1:92-93 '67.
- KITRENYA RIVER—DAMS**
Left abutment—full dam. B. Sergeev. Rezh. transp. 26 no. 3:40 '67.
- KIUKIEL BEKER, VIL'GEL'M KARLOVICH, 1797-1840**
V. A. Kiukiel-Beker, the publisher of the magazine "Ne-skil zhizn'." January-April 1820. Nauch. dokl. AN SSSR, Ser. filol. nauki 10 no. 3:111-113 '67.
- KIZEL BASIN—COAL MINES AND MINING**
Conditions of mining geology and coal content in reserved sections of Kizel syncline. I. I. Kononov, Nauch. trudy PermNIU no. 7:5-18 '64.
Investigating manifestations of rock pressure in main inclined workings of Kizel Basin coal mines. I. S. Tsukerman, I. U. V. Kuznetsov. Nauch. trudy PermNIU no. 7:83-96 '64.
- KIZEL BASIN—COAL MINES AND MINING—COSTS**
Determining efficient parameters of coal mining systems using wire-rope sawing machines. S. V. Borensnev and others. Nauch. trudy PermNIU no. 7:29-42 '64.
Preliminary calculation of the number of timber replacements for maintaining main horizontal development workings. N. P. Milonov. Nauch. trudy PermNIU no. 7:77-81 '64.
Selecting most advantageous types of supports and methods of protecting inclined workings. I. S. Tsukerman. Nauch. trudy PermNIU no. 7:97-105 '64.
- KIZEL BASIN—COAL MINES AND MINING—MANAGEMENT**
Mechanization of stoping in Kizel Basin. V. Z. Shiriaev, V. F. Suslov, V. P. Dushavin. Nauch. trudy PermNIU no. 7:127-139 '64.
- KIZEL BASIN—COAL PREPARATION**
Using RPP-1m radiometric relays for controlling jig bed density in conditions of difficult-to-prepare coals. G. A. Prokhorov, L. L. Solov'ev. Nauch. trudy PermNIU no. 7:153-161 '64.
- KIZEL BASIN—MINE DRAINAGE**
Cathodic protection of internal pipeline surfaces against corrosion. G. M. Ovchinnikov. Nauch. trudy PermNIU no. 7:147-152 '64.
- KIZEL BASIN—MINE DRAINAGE—SAFETY MEASURES**
Using GEN-150 elastomers for protecting mine drainage equipment in Kizel Basin. G. A. Pavlovich, G. P. Ladin. Nauch. trudy PermNIU no. 7:145-146 '64.
- KIZEL BASIN—MINE DUSTS—PREVENTION**
Experience in working out measures for complex dusting of the Kirov Coal Mine of the "Egorshingol" Trust. V. A. Zelenkin and others. Nauch. trudy PermNIU no. 7:201-209 '64.
- KIZEL BASIN—STOPING (MINING)—SAFETY MEASURES**
Determining causes and methods of preventing roof rock sliding to the side of working faces. A. I. Grankin, V. I. Fominykh. Nauch. trudy PermNIU no. 7:53-61 '64.
- KIZHI ISLAND—DESCRIPTION**
Treasure island. V. Filippovskii. V mire knig 7 no. 2:36 '67.
- KIZIL KUM** see Kyzyl Kum
- KIZILTASH LIMAN—COPEPODA**
Salt resistance of Calanippa aquae-dulcis Krassch. from the Kiziltash liman. A. G. Kravtsova. Otdobol. zhur. 3 no. 3:64-73 '67.
- KLAIPEDA—FLOATING DOCKS**
Recent developments in shipbuilding. Sudostroenie 57 no. 3:58-61 '67.
- KLEBSIELLA—CULTURES AND CULTURE MEDIA**
Morphology of Klebsiella aerogenes phages. S. B. Stefanov, I. M. Gubrilovich. Mikrobiologiya 36 no. 2:203-101. Mr.-Ap '67.
- KLIMENT, Saint, Bp. of Ohrid, d. 916**
Celebration of the 1050th anniversary of the death of Kliment of Ohrid in Bulgaria. I. M. Sheptunov. Sov. slav. no. 3:126-127. My.-Je '67.
- KLYSTRONS**
Determination of the parameters of the output circuit of a klystron amplifier with double interaction. A. Z. Khailov. Radiotekhnika 22 no. 5:78-86. My '67.
Khailov, A. Z. [Klystron transmitters] Klystronnye peredatchiki. Moskva, Svyaz', 1967. 60 p. (Novoe v tekhnike svyazi)
- KNEE—RADIOGRAPHY**
Pneumothorax in the diagnosis of lesions of the mediastinum. M. S. Ivashchenko. Voen.-med. zhur. no. 5:73-74. My '67.
- KNIT GOODS**
Properties of knit fabrics lined with "porolon" and their use for outerwear. V. K. Karasov. Izv. vys. ucheb. zav., tekhn. i g. prom. no. 2:155-163 '67.
- KNIT GOODS INDUSTRY**
Economic evaluation of the use of high-bulk and elastic yarn in the production of knit outerwear. L. G. Proskurina. Izv. vys. ucheb. zav., tekhn. i g. prom. no. 1:9-13 '67.
- KNIT GOODS INDUSTRY—ACCOUNTING** see subdivision under Riga
- KNIT GOODS INDUSTRY—INDUSTRIAL CAPACITY** see subdivision under Kazakhstan
- KNITTING MACHINES—TESTING**
Equipment for the study of the performance of mechanisms feeding warp on high-speed warp-knitting machines. V. M. Bondar', V. A. Radzilevskii. Izv. vys. ucheb. zav., tekhn. i g. prom. no. 2:121-126 '67.
- KNOWLEDGE, THEORY OF**
Characteristics of the determination of the development of present-day natural sciences. I. E. S. Zharkov, N. M. Hrych. Filos. probl. such. pyrod. no. 6:44-53 '66.
[Theory of knowledge and contemporary science] Teoriya poznanija i sovremennaja nauka. Moskva, Mysl', 1967. 229 p.
Thomson and Immanuel Kant's theory of knowledge. V. A. Stokalo. Vest. Mosk. un. Ser. 8 Filos. 22 no. 1:50-58. Ja.-F '67.
- KODAR RANGE REGION—THERMAL WATERS**
Thermal waters of the Kodar-Udokan region (northern Transbaikalia). A. A. Shpak. Izv. Zabaik. otd. Geog. ob.-v. SSSR 1 no. 3:87-95 '65.
- KOKCHETAV PROVINCE—GRAIN TRADE**
Growth of the procurement of grain and grain elevators in Kokchetav Province. D. Sakharov. Muk. elev. prom. 33 no. 4:10-14. Ap '67.
- KOKCHETAV UPLAND—PLACER DEPOSITS**
Upper Proterozoic zircon-rutile placers of the Kokchetav upland. N. K. Dvoichenko, N. A. Kulubekov. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:55-58. My.-Je '67.
- KOKCHETAV UPLAND—RUTILE**
Upper Proterozoic zircon-rutile placers of the Kokchetav upland. N. K. Dvoichenko, N. A. Kulubekov. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:55-58. My.-Je '67.
- KOKCHETAV UPLAND—ZIRCON**
Upper Proterozoic zircon-rutile placers of the Kokchetav upland. N. K. Dvoichenko, N. A. Kulubekov. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:55-58. My.-Je '67.
- KOLA PENINSULA—GASTROPODA**
Variation of Lymnaeidae (Mollusca, Gastropoda) of the Kola Peninsula. A. A. Shuleiko. Otdobol. zhur. 3 no. 3:77-80 '67.
- KOLA PENINSULA—RIVERS**
Calculation of the underground source of the discharge of Karel and the Kola Peninsula. N. P. Ruchinskii. Trudy GGI no. 139:112-135 '67.
- KOLA PENINSULA—ROCKS, CRYSTALLINE AND METAMORPHIC**
Estimate of the density of crystalline rocks in the Kola Peninsula varying with depth in the region of the Kola syncline. V. I. Bogdanov, I. I. Sorokina. Dokl. AN SSSR 171 no. 6:1313-1316. Ap '67.
- KOLA PENINSULA—VOLCANOES**
Paleozoic volcanism of the Kola Peninsula. A. A. Shuleiko. Dokl. AN SSSR 174 no. 1:173-176. My '67.
- KOLGUYEV ISLAND—DESCRIPTION AND TRAVEL**
Rybchuk, A. F. [Kolguev Island] Ostrov Kolguev. [Moskva] Molodaja gvardija, 1967. 128 p.
- KOLKHOZES** see Collective farms
- KOLODEZNO-VELICHAYEVKA OIL FIELD—PETROLEUM GEOLOGY**
Experience in investigating nonuniformity of permeability layers in Kolodezno-Velichayevka field. V. A. Il'inskiy, N. N. Fiodorov, V. V. Stetskov. Nauch. trudy AN SSSR, Ser. geol. 24 no. 2:11-11 '66.
- KOLOSOV, NIKOLAI GRIGOR'EVICH, 1807-**
Nikolai Grigorievich Kolosov; on his 70th birthday. A. A. Milokhin, V. N. Shvayev. Arkh. anat., anat. i g. 52 no. 5:114-117. My '67.
- KOLPAKOV, INNOKENTII PAVLOVICH, 1899-1944**
Innokentii Pavlovich Kolpakov (1899-1944). Mirov. rev. prom. 33 no. 1:41-42. Ap '67.
- KOLPAKOVA, ANNA IVANOVNA, 1807-**
A. I. Kolpakova; on her 70th birthday. Pech. sta. 78 no. 5:96. My '67.
- KOLYMA VALLEY—PHYSICAL GEOGRAPHY**
Places of flash floods in the upper Kolyma Valley. A. A. Anan'ev. Vest. Mosk. un. Ser. 7 Geogr. 22 no. 2:111-114. Mr.-Ap '67.
- KOMAROV, VLADIMIR MIKHAILOVICH, 1927-1967**
He attacked space. Av. i kosm. no. 5:21-23. My '67.
In memory of Vladimir Mikhailovich Komarov. Av. i kosm. no. 5:20. My '67.
- KOMI A. S. S. R.—COMMERCE**
Trade is an important and honorable matter. V. T. T. i. Part zhizn' no. 10:53-56. My '67.
- KOMI A. S. S. R.—REVOLUTION, 1917-1921**
[Establishment of Soviet rule and the civil war in the Komi territory, 1917-1920; a collection of documents and materials] Ustanovlenie Sovetskoi vlasti i grazhdanskaya voyna v Komi krae (1917-1920); sbornik dokumentov i materialov. Syktyvkar, Komi knizhnoe izdatel'stvo, 1966. 354 p. map (insert) (K 50-letiu Velikoy Otkrytiya)
- KOMOV, IVAN MIKHAILOVICH, 1750-1702**
I. M. Komov. Shkola i prolzv. 11 no. 5:100. My '67.
- KOMSOMOL'SK-ON-AMUR—COMMUNIST YOUTH LEAGUE**
Where the "Kolumb" moored. E. Volkov, P. Dolin. Av. i kosm. no. 5:30-41 '67.
- KOMSOMOL'SK-ON-AMUR—MACHINERY INDUSTRY—MANAGEMENT**
Burak, A. R., and V. N. Kornev. [Scientific organization of labor in operation] Nauchna organizatsiya truda v delatvii. [Khabarovsk] Khabsk ovakso knizhnoe izd-vo, 1966. 71 p. (Uchis' khozstafvovat')
- KONCHALOVSKII, PETR PETROVICH, 1876-1956**
Our picture gallery. T. Shakhova. Semia i literatura 22 no. 5:40. My '67.
- KONSTANTINOVSKOYE OIL FIELD—PETROLEUM PRODUCTION**
Means of increasing the efficiency of pool development of the Konstantinovskoye oil field. E. A. Kozlov, I. U. V. Kuznetsov, R. K. Panova. Ekonomika i g. prom. no. 2:21-24 '67.

KOPETDAG—GEOLOGY, STRUCTURAL

Rhythmicity in marine sediments of geosynclinal areas, as revealed by study of the Neocomian of Kopetdag. V. I. Marchenko. It i pol iskop no 23-15 Mi-Apr '67.

KOPETS, INNA

Inna Kopets, helicopter pilot. N. Klavin. Grazhd av. 24 no 4,28 Ap '67

KOREA, SOUTH—POLITICS AND GOVERNMENT

Change of the nation's politics. M. Sychev. Agitator no. 11-35-36 Je '61.

Democracy of clubs. D. Usatov. Mezhdunar zhurn' 14 no. 6 113 '67

KORIN, PAVEL DMITRIYEVICH, 1892-

Anonova, V. I. [Old Russian art in the collection of Pavel Korin] Drevnerusskoe iskusstvo v sobranii Pavla Korina. Moskva, Iskustvo [1966] 186 p illus

KOROBKOVO OIL FIELD—HYDROGEN SULFIDE

Genesis of hydrogen sulfide in oils and gases in the southern part of the Volga-Ural region, as exemplified by the Korobkovo field. L. A. Aulimov, N. V. Lopatin. Izv. vuz. ucheb. zav. nefi i gaz 10 no. 1,25-28 '67

KOROLEV, SERGEI PAVLOVICH, d. 1866

Outstanding scientist and designer. In memory of Academician S. P. Korolev. Vest. AN SSSR 37 no. 3 206-212 Mr '67.

KOROTKOV, ALEKSEI ANDREEVICH, 1910-1967

Aleksei Andreevich Korotkov, obituary. Vysokom. soed. Ser. A 0 no. 4 970-971 Ap '67

KOROVITSYN, VASILII PETROVICH, 1907-

Vasilii Petrovich Korovitsyn, on his 60th birthday. IU. G. Sushilin. Vest. Mosk. un. Ser. 5 Geol. 22 no. 2 147 Mr-Apr '67

KOSTENKO, FEDOR IAKOVLEVICH, 1896-1942

Participant General I. I. A. Kostenko, G. Nekhonov. Voen.-ist. zhurn. 9 no. 5 97-100 My '67.

KOSTROMA—ACTIVITY PROGRAMS IN EDUCATION

Intensifying the educational process; work experience of Kostroma teachers. I. A. Shapovalov. Uch. zap. Kost. gos. ped. inst. no. 9 150-171 '63

KOSTROMA—EFFICIENCY, INDUSTRIAL

Early history of competition for communist labor in the industrial enterprises of Kostroma. F. M. Luvova. Uch. zap. Kost. gos. ped. inst. no. 9 17-27 '63

KOSTROMA—FLAX—COLLECTION AND PRESERVATION

Poems about Russian flax. Vasilii Bachorukov. Zakup. sel'khoz. prod. no. 2 50-52 P '67.

KOSTROMA GOVERNMENT—REVOLUTION, 1917-1921

How the Central Committee of the Russian Communist Party (Bolshevik) helped the party organization of the Kostroma Government during the civil war, 1918-1920. V. I. Milovnov. Uch. zap. Kost. gos. ped. inst. no. 9 43-51 '63

The Kostroma organization of the Bolsheviks in the struggle for the introduction of labor control and the carrying out of the nationalization of industry and the land decree, October 1917-September 1918. M. I. Simazhnikov. Uch. zap. Kost. gos. ped. inst. no. 9 52-73 '63

KOSTROMA PROVINCE

A story of a forest. K. Vachnadze. Agitator 35 no. 10 35-38 My '67.

KOSTROMA PROVINCE—FLAXSEED—GRADING

What is profitable for the flax-processing plant and unprofitable. Zakup. sel'khoz. prod. no. 3 118 Mi '67.

KOSTROMA PROVINCE—FLAXSEED—PRICES

What is profitable for the flax-processing plant and unprofitable. Zakup. sel'khoz. prod. no. 3 40 Mr '67.

KOSTROMA PROVINCE—PARENTS' AND TEACHERS' ASSOCIATIONS

Work of parents' committees in schools. E. R. Miagkova. Uch. zap. Kost. gos. ped. inst. no. 9 114-125 '63

KOSTROMA PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Origin of the dialects of Kostroma Province. G. Z. Shkhar. Uch. zap. Kost. gos. ped. inst. no. 9 247-257 '63

KOTLAS (ARCHANGEL PROVINCE)—HARBOR

Potentialities of the port of Kotlas. P. Brekhovskikh. Recl. transp. 26 no. 3 53 '67.

KOTLAS (ARCHANGEL PROVINCE)—PAPER INDUSTRY—EQUIPMENT AND SUPPLIES

Operation of soda regeneration units at the Kotlas Combine. T. B. Potiakova. Bum. prom. no. 5 20-21 My '67.

KOTSIBYNS'KYI, MYKHAILO, 1864-1913

Kalenychenko, N. L. [The great sun worshiper; the life and work of Mykhailo Kotsibyns'kyi] Velykyi sontse-poklonyk; zhyttia i tvorchist' Mykhaila Kotsibyns'koho. Kyiv, Dnipro, 1967 249 p

KOTURTEPE OIL FIELD—OIL SANDS

Evaluating nonuniformity in frequent alteration of reservoir beds. V. V. Stetsukov, T. V. Shvarts. Nauch.-tekhn. sbor. podob. nefi no. 28 22-27 '66

KOTURTEPE OIL FIELD—OIL WELL DRILLING, ELECTRIC

Energy consumption in rock disintegration process during drilling in Koturtepe area. V. I. Stasostin, E. I. Katryshev. Izv. vuz. ucheb. zav. nefi i gaz 9 no. 11 31-37 '66

Field observations on performance and wear of S-type 260 mm three-cone bits in drilling with aerol and reducing gear electric drills. V. G. Belikov, S. A. Postash, V. A. Stepanov. Burente no. 111-113 '67.

KOUNRADSKYI REGION (KAZAKHISTAN)—STRIP MINING—TABLES, CALCULATIONS, ETC.

The one-dimensional solution of the problem of determining parameters of benches in fissured rocks. V. N. Popov, A. P. Li, I. I. Popov. Izv. vuz. ucheb. zav. gor. zhurn. 10 no. 3 32-34 '67

KOVALENKO, IGOR' VASIL'EVICH

In defense of young Stoev. Semen Tregub. Oktjabr' 44 no. 5 208-210 My '67.

KOYANDYTAU—ROCKS, IGNEOUS

Dovonian volcanic apparatus of a central type in the Koyandy Mountains. T. V. Konstantinovitch. Izv. AN Kazakh SSR Ser. geol. 21 no. 4 50-54 My-Je '67.

KRAMATORSK—MACHINERY INDUSTRY

We are sharing our experiences. N. Shatilov. Agitator no. 2 50-51 Ja '61

KRASIL'NIKOV, NIKOLAI ALEKSANDROVICH, 1897-

Nikolai Aleksandrovich Krasil'nikov, on his 70th birthday. Antibiotiki 12 no. 5 446 My '67.

KRASNODAR—REFRIGERATION AND REFRIGERATING MACHINERY—STUDY AND TEACHING

First graduation of refrigeration specialists at the Krasnodar Polytechnical Institute. I. V. Tarabin. Khim. tekhn. 14 no. 5 15 My '67

KRASNODAR TERRITORY—AGRICULTURE

The first results. V. Potev. Agitator 35 no. 11 39-41 Je '67.

Tying to equal the beacon lights. A. Pakhomov. Agitator no. 12 52-53 Ju '61.

KRASNODAR TERRITORY—AGRICULTURE—ECONOMIC ASPECTS

Improving the efficiency of agricultural production. A. Semenov. Nauch. dokl. vuz. shkoly, ekon. nauki 10 no. 5 35-39 '67.

KRASNODAR TERRITORY—ARCHITECTURE, ANCIENT

A Hellenistic building in the ancient settlement near the village of Raevskaya and its place in the architecture of the Bosphorus Kingdom. N. A. Onaiko. Sov. arkh. 10 no. 2 155-168 '67.

KRASNODAR TERRITORY—FINANCE

The economic reform in operation. A. Arnaudov. Den i kiel 25 no. 5 18-50 My '67

KRASNODAR TERRITORY—FUNGI

Detection of parasitic fungus Coelomyces in larvae of Aedes in Krasnodar Territory. V. A. Morozov. Med. parazit. parazit. bol. 36 no. 3 153 My-Je '67.

KRASNODAR TERRITORY—GRAIN ELEVATORS

Some problems from the construction of elevators; from the practices of building the Velichkovo Elevator. V. Romanenko. Muk. elev. prom. 33 no. 4 22-23 Ap '67

KRASNODAR TERRITORY—INDUSTRIAL MANAGEMENT

The economic reform in operation. A. Arnaudov. Den i kiel 25 no. 5 18-50 My '67

KRASNODAR TERRITORY—OIL WELL CEMENTING

Elimination of gas outlets in disposal wells. M. Peilpenko. Neftekhim 12 no. 4 24 Ap '67.

KRASNODAR TERRITORY—OIL WELL DRILLING

Experience in using single-cone bits. M. I. Sadon. Burente no. 418-9 '67.

Method of determining drilling speed. G. A. Khalapov. Ekon. nefteob. prom. no. 2 10-13 '67.

KRASNODAR TERRITORY—PETROLEUM PRODUCTION, THERMAL

Methods of thermal treatment of well bottom zones in Oil Field Administration of "Khadyzhennert". V. I. Kuznetsov, V. R. Bel'manskii. Nefteprom. delo no. 3 16-18 '67

KRASNODAR TERRITORY—PRODUCE TRADE

There is no need for middlemen. S. Sorokin. Zakup. sel'khoz. prod. no. 5 30 My '67

KRASNODAR TERRITORY—SUGAR INDUSTRY—AC-COUNTING

Take special features of a branch into consideration. V. Lomovtsev, P. Kondratenko. Plan. khoz. 44 no. 6 70-73 Je '67.

KRASNOKUTSK REGION (UKRAINE)—PARKS

Kurdiuk, M. G. [Krasnokutsk dendrological park; a guidebook] Krasnokutskii dendropark; putovoditel'. Klar'kov, Prapor, 1968 106 p.

KRASNOYARSK—RUBBER MACHINERY

Performance of the sealing of rotor necks of high-speed rubber mixers. E. P. Zhuraviev, A. M. Pirogov. Kauch. 1102 28 no. 5 40-51 '67

KRASNOYARSK—SHIPBUILDING WORKERS

Lenin's lessons. E. Komarov. Agitator 35 no. 10 42-44

KRASNOYARSK TERRITORY—GEOLOGY

Basic results of the research of the Yenisei Expedition for 10 years, 1956-1966. N. A. Siagayev, L. A. Ragozin. Vest. Mosk. un. Ser. 1 Geol. 22 no. 2 138-140 Mi-Apr '67.

KRASNOYARSK TERRITORY—INDUSTRIAL PROCUREMENT

Current problems of our work. A. Pertsovich. Mat.-tekhn. snabzhen. 2 no. 5 47-52 My '67

KRASNOYARSK TERRITORY—LABOR AND LABORING CLASSES—STATISTICS

Ushinov, V. A., and A. F. Deev. [Practice in using electronic computers in sociological studies; using materials on how the workers of Krasnoyarsk Territory use their time] Opyt primeneniia EVM v sotsiologicheskikh issledovaniakh; na materialakh bludzhetoov vremeni trudiashechikh v Krasnoyarskogo kraia. Novosti, Nauka, 1967. 241 p.

KRASNOYARSK TERRITORY—SLOPES (PHYSICAL GEOGRAPHY)

Three stages in the development of the slopes of denudation massifs in the south of Krasnoyarsk Territory. S. P. Gorbukhov. Vest. Mosk. un. Ser. 5: Geog. 22 no. 2 133-134 Mi-Apr '67

KRAYCHUK, STEPAN STEPANOVICH, 1899-

S. S. Kravchuk, a Professor of Moscow University, on the 50th anniversary of his membership in the CPSU. Vest. Mosk. un. Ser. 12 Prirodo 22 no. 3 91-98 My-Je '67.

KREMENCHUG RESERVOIR—FROGS

Role of Rana ridibunda Pall. in spawning grounds. V. V. Sherstiuk. Gidrobiol. zhurn. 3 no. 3 80-82 '67.

KRESHKOV, ANATOLII PAVLOVICH, 1907-

Anatolii Pavlovich Kreshkov, on his 60th birthday. Zav. lab. 33 no. 3 391 '67

KRETS, PETR PETROVICH

When dawn arrives. A. Fedoruk. Sov. voen. 19 no. 2 4-5 Ju '67

KRIVOY ROG BASIN—BLASTING—EQUIPMENT AND SUPPLIES

Analyzing methods of ore breaking at the Onzhonkide Mine. A. D. Zagorodni, A. A. Makeev. Sbor. nauch. trud. KGRI no. 16 218-225 '63.

KRIVOY ROG BASIN—IRON MINES AND MINING

Effect of rock pressure on opening and developing thick deposits in Krivoy Rog Basin. IU. P. Ivanov and others. Sbor. nauch. trud. KGRI no. 16 95-96 '63.

Influence of the size of compensation chambers and yield rate on drawing indices in mass caving systems under conditions of Dzerzhinskii Mine. M. A. Solomatina. Sbor. nauch. trud. KGRI no. 16 58-66 '63.

KRIVOY ROG BASIN—IRON MINES AND MINING—FINANCE

Capital investments in Krivoy Rog Basin mines and their yield. E. N. Veremel. Izv. vuz. ucheb. zav. gor. zhurn. 9 no. 1 66-70 '66.

KRIVOY ROG BASIN—IRON MINES AND MINING—MANAGEMENT

Advantages of using inclined bottoms in sublevel caving. V. A. Lubanats and others. Met. i gornorud. prom. no. 2 74-76 Mr-Apr '67.

Increasing labor productivity in the Kirov Mine by improving the organization of work and production. V. G. Matsaev, V. T. Koval', Met. i gornorud. prom. no. 2 83-85 Mr-Apr '67.

KRIVOY ROG BASIN—MINE HAULAGE—EQUIPMENT AND SUPPLIES

Opening of deposits with inclined conveyor shafts, and range of an efficient use of this method in conditions of Krivoy Rog Basin. IU. I. Chirkov. Sbor. nauch. trud. KGRI no. 16 66-76 '63.

- KRIVOY ROG BASIN—MINE VENTILATION**
Investigating and ways of improving the ventilation of Orlizhnikh Mine. I B Oshiminskii, R. A. Lashchuk. Shor. nauch. trud KGI no. 16 157-163 '65
- Method of determining overall air depression in designing ventilation systems of Krivoy Rog Basin mines. I D Bezz. Shor. nauch. trud KGI no. 16 150-156 '63
- KRIVOY ROG BASIN—SHAFT SINKING—EQUIPMENT AND SUPPLIES**
Experience in sinking inclined shafts. IU I Cherkov. Shor. nauch. trud KGI no. 18 103-111 '63
- KRIVOY ROG BASIN—STOPING (MINING)**
Improving stoping technology at the Kuvor Mine. V F Lavrinenko and others. Shor. nauch. trud KGI no. 16 17-28 '63
- Results of the improvement of stoping technology at the "Gigant" Mine. S E Nikulin and others. Shor. nauch. trud KGI no. 16 13-20 '63
- KRIVOY ROG BASIN—VOCATIONAL EDUCATION**
There should be a well developed system of vocational schools in the Krivoy Rog Basin. V Foval'shuk, V Mitstunenko. Prof. tekhn. obr. 23 no. 10 30 O '66.
- KRONSTADT (LENINGRAD PROVINCE)—FEBRUARY REVOLUTION, 1917**
Kronstadt events in May 1917. V V Gincev. Vop. ist. 12 no. 5 213-215. My '67
- KRYZHOPOL' DISTRICT—CHECKS**
Payments by checks justify themselves. S Godlevskii, P. Stefutishin. Den. 1 krd. 25 no. 1 51-55. 3p '67
- KUDAN—AGRICULTURISTS**
Young agronomist. Zemledelie. 24 no. 5 36-37. My '67
- KUBAN—GAS WELL DRILLING**
Efficiency of using various methods of drilling oil and gas wells in the Kuban. V. A. Shrin, N. A. Sidorov. Tekn. nefteob. prom. no. 3 18-20 '67
- KUBAN—OIL WELL CEMENTING**
Using foam-gel concrete slugs for cementing high-temperature wells in the Kuban. A. I. Baidakov and others. Buim. no. 4 29-31 '67.
- KUBAN—OIL WELL DRILLING**
Efficiency of using various methods of drilling oil and gas wells in the Kuban. V. A. Shrin, N. A. Sidorov. Tekn. nefteob. prom. no. 3 18-20 '67
- KUBAN—OIL WELL DRILLING—COSTS**
Economic results of introducing continuous technological processes of well building into Kuban. V. A. Shrin, V. I. Mishchenko, V. N. Kaipenko. Tekn. nefteob. prom. no. 1 20-26 '67.
- KUBAN—OIL WELL SHOOTING**
Advantages of carrying out repeated and supplementary perforations of production columns. B. Mikerin. Neftianik. 12 no. 1 22. Ap '67.
- KUBAN—PLOWING**
Round-ridge method of plowing. V. S. Saifnikov. Tekh. v sel'sk. khoz. 27 no. 5 10-12 '67.
- KUBAN—RICE—DISEASES AND PESTS**
Control of rice pests of rice. V. L. Kravtsov. Zashch. rast. 12 no. 5 46-37 '67.
- KUBAN—WHEAT TRADE**
Occurrence of the strong variety of wheat in the Kuban. K. Grigorovich and others. Zakup sel'sk. khoz. prod. no. 3 38-39. Mi '67
- KUBAN-AZOV LOWLAND—EARTH—SURFACE**
Basic results of a study of the structure of earth's crust and upper mantle in the Kuba-Azov Lowland obtained by the help of "Zemlya" seismic station. I. V. Pomerantseva and others. Dokl. AN SSSR. 173 no. 6 1397-1400. Ap '67.
- KUBAN-AZOV LOWLAND—GAS, NATURAL**
Age of underground waters and natural gases of Mesozoic sediments in Azov-Kuban oil- and gas-bearing basin. B. I. Zhigalin. Geol. nefti i gaza. 11 no. 4 42-47. Ap '67.
- KUBAN-AZOV LOWLAND—GEOLOGICAL TIME**
Age of underground waters and natural gases of Mesozoic sediments in Azov-Kuban oil- and gas-bearing basin. B. I. Zhigalin. Geol. nefti i gaza. 11 no. 4 42-47. Ap '67.
- KUBAN-AZOV LOWLAND—SEISMOLOGY**
Basic results of a study of the structure of earth's crust and upper mantle in the Kuba-Azov Lowland obtained by the help of "Zemlya" seismic station. I. V. Pomerantseva and others. Dokl. AN SSSR. 173 no. 6 1397-1400. Ap '67.
- KUBAN-AZOV LOWLAND—WATER, UNDERGROUND**
Age of underground waters and natural gases of Mesozoic sediments in Azov-Kuban oil- and gas-bearing basin. B. I. Zhigalin. Geol. nefti i gaza. 11 no. 4 42-47. Ap '67.
- KULAGIN, GEORGI DMITRIYEVICH, 1917-1966**
In memory of G. D. Kulagin. Vop. gos. no. 72 174-176 '66
- KULBIN, IVAN PETROVICH, 1735-1818**
I. P. Kulbin's unknown manuscripts. N. N. Miftomarov, V. N. Shalagin. So. arkh. no. 2 97-99 '67
- KUMYK LANGUAGE—POSTPOSITIONS**
Postposition "bulan" in the Kumyk language. A. G. Nagomedov. Uch. zap. IAL. Dag. fil. 11 55-58. 10 298-301 '62
- KUPREVICH, VASILII FEOFILOVICH, 1897-**
On "Sanson" during the October days. N. Semichukhin. Sov. profsoyuz. 23 no. 9 16-17. My '67
- KURA LOWLAND—GAS, NATURAL—GEOLOGY**
Basic structural features of Tertiary sediments in Kura Valley between Salogly and Khuluf villages in connection with search prospects for oil and gas. A. A. Keimov. Izv. vys. ucheb. zav. i nauch. i. gaz. 9 no. 11 13-17 '66
- KURA LOWLAND—PETROLEUM GEOLOGY**
Basic structural features of Tertiary sediments in Kura Valley between Salogly and Khuluf villages in connection with search prospects for oil and gas. A. A. Keimov. Izv. vys. ucheb. zav. i nauch. i. gaz. 9 no. 11 13-15 '66
- KURAMA RANGE—HYDROMAGNETITE**
Hydromagnetite from Chotadam-Bulak. E. F. Bagrova. Dokl. AN Uz. SSR. 23 no. 6 41-42 '66.
- KURDS** see subdivision under Iraq
- KURGAN PROVINCE—COMMUNIST EDUCATION**
Correspondence schools for propagandists discussed on the pages of newspapers. A. Kuvlov, V. Tikhonov. Agitator. no. 6 11-45. Mi '61
- KURGAN PROVINCE—MUSEUMS**
Rural museums. Part. zhizn'. no. 11 62. Je '67
- KURGAN PROVINCE—SPRAYING AND DUSTING EQUIPMENT**
Improving the performance of the G-UD-2 aerosol generator. V. Sleskai. A. Trukhtin. Tekh. v sel'sk. khoz. 27 no. 5 66-69 '67.
- KURILE ISLANDS—VOLCANOES**
Gorskikh, G. S. [Volcanism of the Kurile Island chain] Vulkanizm Kuril'skoi ostrovnol dugi. Moskva, Nauka, 1967. 286 p.
- KURILE ISLANDS REGION—FORAMINIFERA**
Biomass and quantitative distribution of live Foraminifera in the region of Kurile-Kamchatka Trench. Kh. M. Saifova. Dokl. AN SSSR. 174 no. 1 207-209. My '67.
- KURILENKO, VLADIMIR TIMOFEEVICH, 1924-1944**
Kurilenko, V. E. [Tale about a son] Povest' o syne. [Moskva] Mosk. rabochi, 1966. 213 p. (Rus.) (MIR)
- KURSK, BATTLE OF, 1913**
[Failure of operation "Chadai": defeat of the armies of German fascists in the battle of the Kursk arc] Proval operatsii "Tsiladel'": razгром nemetsko-fashistskikh polchislch v bitve na Kurskoj dugo. Izd. 2, Ispr. 1 dop. Moskva, Politizdat, 1967. 270 p.
- KURSK MAGNETIC ANOMALY—HYDRAULIC MINING**
Certain problems in dump pile stacking by hydraulic means. A. G. Lutovinov. Nauch. trudy Mosk. inst. radioelektr. i goi. elektr. onekh. no. 51 165-169 '65.
- KURSK MAGNETIC ANOMALY—IRON MINES AND MINING**
Opening of the Yakovlev deposit in Kursk Magnetic Anomaly. V. F. Lavrinenko, IU. A. Ivanov, I. S. Muntian. Shor. nauch. trud. KGI no. 16 33-37 '63.
- KURSK MAGNETIC ANOMALY—IRON ORES**
Evaluation of the effect of the exploitation of iron ore deposits of the Kursk Magnetic Anomaly on the regime of the flow of the Oskolets River. B. M. Doboumov, I. N. Obraztsov, B. S. Ushuzhanin. Trudy GGI no. 139 206-223 '67.
- KURSK MAGNETIC ANOMALY—WATER, UNDERGROUND**
Role of a network of ravines and gorges in the feeding of underground waters and the method of determining their area. B. S. Ushuzhanin. Trudy GGI no. 139 221-232 '67
- KURSK PROVINCE—BUCKWHEAT**
Valuable cultivation. P. Strekalov. Agitator. no. 11; 23-28. Jo. Kl.
- KURSK PROVINCE—COLLECTIVE FARMS—PENSIONS**
Serious examination. I. Sviridov. Sois. obesep. 42 no. 4 14-16. Ap '67.
- KURSK PROVINCE—FARM MECHANIZATION**
Without idle time! V. Shafaretsov. Sov. profsoyuz. 23 no. 8 12-33. 3p '67.
- KURSK PROVINCE—MANUAL TRAINING**
Remarks about manual training. F. S. Chel'tsov. Shkola i prof. 10 no. 4 37-10. 9 '66
- KURSK PROVINCE—PUBLIC PROSECUTORS**
General supervision of the observance of laws. I. Baidan. Sois. zakon. no. 5 51. My '67.
- KURSK PROVINCE—STOCK AND STOCKBREEDING**
A letter discussed at a meeting. Part. zhizn'. no. 11 69. Je '67
- KUSTANAY PROVINCE—COLLECTIVE FARMS**
A right to be called a communist district. K. Zaporozhskii. Agitator. no. 6 49-50. Mi '61.
- KUSTANAY PROVINCE—INDUSTRIAL MANAGEMENT**
Under the conditions of economic stimulation. N. Tatarov. Po. Nar. khoz. Kazakh. 25 no. 4 16-17. Ap '67
- KUSTANAY PROVINCE—STATE FARMS**
A right to be called a communist district. K. Zaporozhskii. Agitator. no. 6 49-50. Mi '61.
- KUYBYSHEV—TELECOMMUNICATION—MANAGEMENT**
Operation of the Kuybyshev long-distance telephone exchange in the new system. E. M. Tikhonov. Vest. svyazi. 27 no. 5 25-26. My '67
- KUYBYSHEV—VIEWS**
[The city of Kuybyshev, album of photographs] Gorod Kuybyshev, fotoal'bom. [Kuybyshev, Kuybyshevskoe knizhnoe izd-vo, 1966] 1 v., chiefly illus.
- KUYBYSHEV PROVINCE—COLLECTIVE FARMS—FINANCE**
Collective farms need reserve funds. I. Fhulin. Den. 1 krd. 25 no. 1 50-51. Ap '67.
- KUYBYSHEV PROVINCE—GAS, NATURAL—GEOLOGY**
Methodology of determining effectiveness and rates of exploration drilling for prospecting local structures as exemplified by Kuybyshev Province. G. I. Alekseev, I. S. Tkachenko. Geol. nefti i gaza. 11 no. 4 51-53. Ap '67.
- KUYBYSHEV PROVINCE—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES**
Reducing number of drill pipe failures in rotary drilling. I. V. Nazarov. Buim. no. 4 12-43 '67.
- KUYBYSHEV PROVINCE—PETROLEUM GEOLOGY**
Methodology of determining effectiveness and rates of exploration drilling for prospecting local structures as exemplified by Kuybyshev Province. G. I. Alekseev, I. S. Tkachenko. Geol. nefti i gaza. 11 no. 4 51-53. Ap '67.
- KUYBYSHEV PROVINCE—PETROLEUM PRODUCTION—MANAGEMENT**
Improving labor conditions is an important task of the scientific organization of labor. S. M. Danellants. O. g. i. upr. nefteob. prom. no. 3 30-31 '66
- KUYBYSHEV PROVINCE—PETROLEUM WORKERS**
Highway. I. Zhuravlev. Neftianik. 12 no. 5 22-24. My '67.
- KUZNETSK BASIN—COAL MINES AND MINING**
Coal mine that is coeval to the Great October. IU. V. Sungurov. Ugol' 42 no. 5 9-13. My '67
- Heroism of everyday life. A. Eshtokin. Agitator. 35 no. 10 12-15. My '67.
- KUZNETSK BASIN—COAL MINES AND MINING—ELECTRIC EQUIPMENT**
Improving the quality of charging equipment with semiconductor diodes for coal industry. V. D. Petunov. Izv. vys. ucheb. zav. i nauch. i. gaz. 9 no. 1 131-136 '66.
- KUZNETSK BASIN—COAL MINES AND MINING—HYDRAULIC FRACTURING**
Increasing the efficiency of wetting coal seams in conditions of Kuznetsk Basin. L. I. A. Likhachev, IU. P. Svilenko, E. I. Ontin. Ugol' 42 no. 5 61-67. My '67.
- KUZNETSK BASIN—MINE VENTILATION**
Automation of fans for local ventilation. V. I. Likhachev and others. Bezop. truda v prom. 9 no. 12 11-11. D '65.
- KUZNETSK BASIN—ROCKS—ANALYSIS**
Investigating rocks of the "Cherkasov Kamen" mine section (Kuznetsk Basin) in order to use them for filling. S. I. Rodionov. Izv. vys. ucheb. zav. i nauch. i. gaz. 9 no. 3 12-15 '67
- KUZNETSK BASIN—SOVIETS**
Efforts of the party organization of the Kuznetsk Basin to enhance the role of rural soviets in economic and cultural development, 1956-1958. S. F. Orlovskii, Uch. zap. TGU no. 56 82-99 '66.

KUZNETSK BASIN—STEEL INDUSTRY

Increased role of local party organizations in the industrial operations of steel plants in the Kuznetsk Basin between the 20th and 22d Congresses of the CPSU, 1957-1961. G. G. Khaliulin Uch. zap. FGU no 56 118-132 '66.

The struggle for metals. A. Borodulin Agitator no. 6 31-33 '61

KUZNETSK BASIN—STRIP MINING

Improving boring bits with detachable teeth for oil and gas. B. A. Katorov, A. A. Vashenkin Ugol' 12 no 5 33-45 '67

KVARELI DISTRICT—SCARABAEIDAE

Species of Scarabaeidae (Coleoptera) occurring in Kvareli District in S. Dzhamabashvili Soob. AN Gruz SSR 46 no 2 465-468 '67

KYUROVDAG OIL FIELD—OIL FIELD FLOODING

Regulating migration of water-oil contact in nonuniform reservoirs in artificial flooding. A. M. Akhmedov and others. Azerb. neft khoz. 16 no 5 6-9 May '67

KYUROVDAG OIL FIELD—PETROLEUM GEOLOGY

Distribution of oil in the upper horizons of the producing layer of the Kyurovdag field. F. G. Dzhalbaty, Sh. S. Koshbaev Dokl. AN Azerb. SSR 23 no. 1 28-31 '67

KYZYL-AGACH GULF—BACTERIA, SULFUR

Methods reducing bacteria in lesser and greater Kyzyl-Agach Gulf. I. I. Safaev Dokl. AN Azerb. SSR 23 no. 1 59-62 '67

KYZYL-AGACH PRESERVE—TREMATODA

Characteristics of trematode larvae in freshwater mollusks of Kyzyl-Agach Preserve and adjacent region. I. V. Kharayev. Izv. AN Azerb. SSR Ser. biol. nauk no 6, 55-61 '66

KYZYL KUM—DARKLING BEETLES

Species and distribution of darkling beetles (Tenebrionidae) in biotopes of southwestern Kyzyl Kum. A. G. Dzhalsidze Zool. zhur. 46 no 1 524-533 Apr '67

KYZYL KUM—GEOLOGY

Geology and petrography of the Bel'tausk gabbroid massif in the southern part of the central Kyzyl Kum. G. G. Lukashov. Izv. AN SSSR, Ser. geol. no. 5 77-87 May '67

KYZYL KUM—PETROLOGY

Geology and petrography of the Bel'tausk gabbroid massif in the southern part of the central Kyzyl Kum. G. G. Lukashov. Izv. AN SSSR, Ser. geol. no. 5 77-87 May '67

KYZYL ORDA PROVINCE—CATTLE—DISEASES AND PESTS

Therapy and chemoprophylaxis of the liver fluke in cattle in Kyzyl Orda Province. S. K. Svanhaev, I. Isakov. Vest. sel'khoz. nauk [Kazakh] 10 no. 2 59-62 '67

KYZYL ORDA PROVINCE—THEILERIASIS—EXTIRMINATION

Therapy and chemoprophylaxis of theileriasis in cattle in Kyzyl Orda Province. S. K. Svanhaev, I. Isakov. Vest. sel'khoz. nauk [Kazakh] 10 no. 2 59-62 '67

KYZYLKUM DISTRICT—PASTURES AND MEADOWS

Improving natural pastures in Kyzyl Kum District of Chirchik Province. A. D. Shigapov Vest. sel'khoz. nauk [Kazakh] 10 no 2 6-11 '67

LABELING MACHINES

Multicolor printing machine for reproducing inscriptions on ampoules and flasks with medicinal and microbiological preparations. Report No. 1 B. V. Sizov, V. A. Nikitin Trudy Mosk. nauch.-issl. inst. vak. i izv. 17 207-213 '61

Multicolor printing semiautomatic for reproducing inscriptions on ampoules and flasks with medicinal and microbiological preparations. Report No. 2 B. V. Sizov, V. A. Nikitin, I. D. Polin Trudy Mosk. nauch.-issl. inst. vak. i izv. 17 211-218 '61

LABOR AND LABORING CLASSES

(see also subdivision under Caucasus; Northern; China; Donetsk; France; Hungary; Leningrad; Turkey; Ukraine)

Along the Lenin path toward unity. M. Naglai. Sov. profsoyuzny 23 no 9-40-12 May '67

Changes in work and the basis of improvements in the social structure of the laboring class. I. Bulan. Ekon. nauch. 10 no. 2 9-15 '67

Egorova, A. G. [The working class during the Great October Socialist Revolution] Rabochii klass v Velikoi Otkrytoe sotsialisticheskoi revoliutsii. Moskva, Znanie, 1967. 42 p. (Novoe v zhizni, nauke, tekhnika, i Seriya: Isoriia, 6)

"His Proletarian Highness" G. Ivanov. Mol. komm. no 5 1-15 '67

Leht, V. I. [International labor and communist movement] O mezhdunarodnom rabochem i kommunisticheskom dvizhenii. Moskva, Politizdat, 1967. 416 p.

The nature of economic alliance between city and village. E. M. Serlin. Uch. zap. Ulian. gos. ped. inst. 18 no. 2 57-64 '63

On the front lines of strike struggle. V. Koval'. Leonov. Mir. ekon. i mezhduim. otn. no 1 121-127 '67

[The role of the labor class in the development of socialist culture] Rol' rabochego klassa v razviti sotsialisticheskoi kul'tury. Moskva, Mysl', 1967. 147 p.

Role of the subjective factor in developing the economic alliance of the laboring class and the peasantry. I. M. Serlin. Uch. zap. Ulian. gos. ped. inst. 22 3-22 '66

The socialist regime and the length of the period of working activity. A. Koshits. Nauch. dokl. i issled. ekon. nauki 10 no 6 39-46 '67

LABOR AND LABORING CLASSES—EDUCATION

Technological progress and the Soviet worker's culture. V. Fedinin. Sov. profsoyuzny 23 no 8 28-29 Apr '67

Trained labor force and labor productivity in industry. L. A. Kvon. Probl. sov. i kon. Kazakh. no 2 191-206 '66

LABOR AND LABORING CLASSES—MEDICAL CARE

(see subdivision under Novosibirsk Province)

LABOR AND LABORING CLASSES—RECREATION

Free time of young Soviet workers during the large-scale building of communism. V. I. Dobrynina. Sbor. trud. Vses. zaoch. politekh. inst. no. 30, 31-47 '65

LABOR AND LABORING CLASSES—STATISTICS

(see subdivision under Krasnoyarsk Territory, United States)

LABOR DISCIPLINE

(see also subdivision under Aktyubinsk Province)

Discipline and labor. Agitator 35 no. 10 1-5 May '67

LABOR LAWS AND LEGISLATION

(see also subdivision under France; Russia, Northern)

Further development of the legal regulation of the setting-up of labor norms. P. S. Lashchadov. Izv. vys. ucheb. zav. prav. no 1 71-81 Jan '67

Gorshenin, K. P. [Codification of labor law; theoretical problems] Kodifikatsiya zakonodatel'stva o tude; teoreticheskie voprosy. Moskva, R. d. lit.-izd., 1967. 223 p.

Legal advice. Sois. zakon. no. 7-88-84 May '67

Let us regularize our labor obligations as being in labor disputes. I. Moren. Sov. ist. 31 no. 9 13-11 May '67

Pokopenko, V. L. [Labor law] Trudovoe pravo. Kyiv, Politizdat Ukrainy, 1966. 82 p.

LABOR PASSPORTS (see subdivision under Mikhaylov District)

LABOR PRODUCTIVITY

(see also subdivision under Shchelinka Gas Field, White Russia)

Capital assets are the basis of increasing labor productivity. M. L. Kapitanov. Uch. zap. Ulian. gos. ped. inst. 22 23-26 '66

Happy anniversary, iron and steel workers of the Ordos-Bearing Petrovskii Metallurgical Plant. The Petrovskii Metallurgical Plant is 40. N. I. Boda. Met. i gorn. prom. no. 2 93-94 Mar-Apr '67

One percent increase in labor productivity. Agitator no 2 25-26 Jan '61

One percent increase in labor productivity. Agitator no. 4 10-20 '61

Put the Lenin doctrine of labor productivity into practice. V. Havrysh. Ekon. nauch. 10 no. 4 1-9 Apr '67

Rzheshchinskii, V. A. [Labor in the new five-year plan] Trud v novoi planirovke. Moskva, Ekonomika, 1967. 68 p.

Trained labor force and labor productivity in industry. L. A. Kvon. Probl. sov. i kon. Kazakh. no. 2 191-206 '66

Work method of measuring labor productivity in blast furnace and open-hearth production. A. I. Rotshchikov. Vop. truda no 3 7-70 '59

The workday and the productivity and intensity of labor. I. D. Zmushko. Uch. zap. Ulian. gos. ped. inst. 22 59-71 '66

LABOR SUPPLY

A headquarter for new sources of labor supply. S. Nevskiy, V. Konyshin. Agitator no. 6 55 Mar '61

Kotlar, A. E. [The labor force in the U.S.S.R.; problems of the theory of reproduction] Rabochii sila v SSSR; voprosy teorii i razvitiya. Moskva, Mysl', 1967. 175 p.

LABORATORIES—FURNITURE, EQUIPMENT, ETC.

Standardization and industrial design. A. Grashin, A. Safonov, B. Shekhov. Tekh. est. 4 no. 5 24-28 May '67

LABYRINTH (EAR)

Development of the endolymphatic sac. E. N. Kosman'skaya, T. G. Balashova. Arkh. anat., gist. i embr. 52 no. 5. 70-79 May '67

Influence of vestibular stimulation on the certain functions of the human organism. Report 5: Vestibular reactions of people in a helium-oxygen environment. V. E. Kopanov. Nov. issl. v ped. nauk. no. 4 227-232 '66

LACHINOV, DMITRI ALEKSANDROVICH, 1842-1902

Our scientists and technologists. Shkola prirozy 11 no 4 79-80 Apr '67

LACQUER AND LACQUERING

New insulating lacquers and lacquer fibers. L. T. Ponomarev, N. V. Slavovetskaya, F. I. Titova. Trudy LPI no. 276 45-50 '67

LACTAMS

Copolymerization of lactam of hexahydro-p-aminobenzene acid with ϵ -caprolactam and γ -dodecylactam. A. V. Volokhina and others. Vysokom. soed. Ser. A 9 no 4 915-919 Apr '67

LACTATION

Change in the protein composition of the blood serum and some hematological indices in Aletan cows in the course of lactation. B. B. Isakbayev. Vest. sel'khoz. [Kazakh] 10 no. 2 51-55 '67

Changes in the content of serum proteins in normal pregnancy, labor, puerperium, and lactation periods. I. N. Kruglov. Vop. med. khim. 13 no 3 217-50 May-June '67

LACTONES

(Unsaturated Acids and macrocyclic lactones. Report No. 20 Synthesis of catalytic and catalytic acids. L. D. Bergel'son, V. D. Solodovnik, M. M. Shchukin, Izv. AN SSSR, Ser. khim. no. 4 813-850 Apr '67

LAK LANGUAGE—VERB

Category of grammatical classes of the verb in the Lak language as compared to the Arabic and Dargwa languages. I. Kh. Abdullaev. Uch. zap. IAL. Dag. II AN SSSR 10 261-281 '62

LAKES

Effect of the relative sizes of the surfaces and basins of lakes on water level fluctuations. B. B. Bogoslovskii, V. A. Gordienko. Vest. Mosk. univ. Ser. 5, Geogr. 22 no 3 128-134 Mar-Apr '67

LAMBS

Hemostasis and rhythmia and the occurrence of the vaginal regulation of the rhythmic activity of the heart in lambs. N. U. Ibranova, Z. K. Kozhebov, N. A. Krasikova. Vest. sel'khoz. nauk [Kazakh] 10 no 5 53-57 May '67

LAMBS—ANATOMY

Characteristics of the development of the internal organs of lambs at different times of lambing. Sh. M. Smagulov, I. U. T. Mamyrov. Vest. sel'khoz. nauk [Kazakh] 10 no. 5 15-49 May '67

LAMELLIBRANCHIATA, FOSSIL (see subdivision under Yakutia)

LAMINAR FLOW

Stability of laminar flow of a viscous fluid. N. S. Shtein. Dokl. AN BSSR 11 no 4 321-326 Apr '67

LAMINATED METALS

Certain problems in the technology of making thick and wide two-layer plates. K. K. Dzhachenko, I. U. L. Krivonozov, D. I. Prizayev. Met. i gorn. prom. no. 2 27-29 Mar-Apr '67

Making bimetallic pipe skelpa using explosive energy. N. P. Utychenko and others. Met. i gorn. prom. no. 2 37-38 Mar-Apr '67

LAMINATED METALS—METALLOGRAPHY

Mechanism of the formation and structure of the transition zone in the bimetallic Si 3 KhlONOT. M. G. Lorzinskii, A. I. Tananov. Mashinovedenie no 3 85-86 May-June '67

Structure of the transition zone of bimetallic, KhlONOT steel - AMG6 alloy steels. R. M. Sizova, V. K. Korol', N. D. Lukashkin. Metalloved. i term. obr. met. no. 4 15-47 Apr '67

LAMINATED METALS—WELDING

Quality of welded joints depending on conditions of bimetal rolling. A. S. Gultayev. Tsvet. met. 10 no. 4 83-85 Apr '67

LAMINATED PLASTICS

Wood textile a laminated plastic. A. S. Aniskin, E. I. Isakov, N. N. Kuznetsova. Plast. massy no 5 70-71 '67

LAND TENURE

(see also subdivision under Asia)

According to Lenin's cooperative plan. V. Selunskaya. Agitator 35 no. 11 25-29 June '67

LANDFORMS (see subdivision under Cuba; Latvia; Slovakia)

- LANDFORMS—MAPS**
Stereoscopic effect of relief on maps. E. E. Shul'yarov. Geod. i kart. no. 1 62-63 Ap '67.
- LANDSCAPE GARDENING** see subdivision under Alma-Ata; France; Mangyshlak Peninsula, Semibach'te
- LANDSCAPE PAINTING**
At the canvases of Soviet landscape classics. M. F. Iskhakova. Iskustvo 30 no. 1 93-92 '67.
- LANGUAGE AND LANGUAGES**
About the theory of Soviet linguistics. B. M. Zhil'munskii. Izv. AN SSSR Ser. filol. i yez. 26 no. 1 13-27 Ja-F '67.
The theory of words in present-day linguistics. I. Sh. El'sova. Vest. obshchestv. nauk AN Arm. SSR no. 3 44-51 M '67.
- LANGUAGE AND LANGUAGES—BIBLIOGRAPHY** see Bibliography—Language and languages
- LANGUAGE DATA PROCESSING**
Selection of language material for statistical processing. E. S. Trifonovskii. Nauch. dokl. vys. shkoly, filol. nauki 10 no. 3 11-19 '67.
- LANGUAGES, MODERN—STUDY AND TEACHING**
The discussion has not ended yet: notes from the plenum of the Council on Foreign Languages. I. Khazhillova. Vest. vys. shkoly 26 no. 5 39-41 M '67.
The Military Institute of Foreign Languages. Komm. Vooruzh. Sil 18 no. 12 86 Je '67.
- LANTHANIDES** see Rare earths
- LANTHANUM**
Effect of lanthanum on the form of graphite in austenitic cast iron. D. P. Ivanov, I. A. Vashukov, V. I. Krest'ianov. Lit. proizv. no. 5 34-35 M '67.
- LANTHANUM BORIDES**
Emission properties of powdered lanthanum hexaboride depending on composition and purity. S. V. Firmanov and others. Izv. AN SSSR Neorg. mat. 3 no. 5 808-812 M '67.
- LANTHANUM COMPOUNDS—THERMODYNAMICS**
Change in the thermodynamic functions during the formation of nitrate isonitric complexes of lanthanum in aqueous solutions. P. M. Milinkov, N. V. Polenova. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 3 277-281 '67.
- LAOS—POLITICS**
Laos needs peace and independence. E. N. Nikolaev. Agitator no. 11 36-37 Je '61.
- LAPLACE'S EQUATIONS** see Harmonic functions
- LARCENY**
Determination of the amount of pilfered property. A. A. Agashev, I. B. Borzov. Sov. iust. 11 no. 9 1-5 M '67.
- LARVAE—FISHES**
Obtaining larvae of commercial fishes from hatcheries. A. G. Komadit, A. M. Sakharov. Izv. GosNIORKH 61 193-207 '68.
- LASERS**
Analogy of physical processes in an impulsive discharge and under the effect of concentrated laser radiation on metals. I. I. Gurevich, L. A. Min'ko. Zhur. tekhn. fiz. 37 no. 6 1169-1172 Je '67.
Applicability of lasers in spectral-isotopic determination of gases in metals. G. S. Lazeeva, A. A. Petrov, G. V. Skvortsova. Vest. LGU 22 no. 4 63-67 F '67.
Change of the refractive index and the absorption of some liquids in a strong light field. A. P. Vcduta. Pis'ma v Zhur. eksp. i teoret. fiz. 5 no. 5 154-157 M '67.
Characteristic features of a gas laser operating on a He-Ne mixture under varying conditions of pumping. T. M. Perchanok, V. M. Russov, S. A. Fridrikhov. Trudy LGU no. 277 151-155 '67.
Characteristics of the disintegration of transparent polymers by powerful light pulses at various temperatures. N. N. Vsevolodov, N. P. Novikov, I. I. Buzin. PMTF no. 2 86-88 Mr-Ap '67.
Concerning V. I. Zharikov and R. V. Khokhlov's article "Light modulators with cubic crystals." Radiotekhn. i elektron. 12 no. 6 1158-1157 Je '67.
Divergence of the gaseous laser radiation in the generation of TCM-type modes. F. A. Abramskii. Opt. i spekt. 22 no. 4 611-613 Ap '67.
Effect of temperature of a passive shutter on the operation of a laser. M. P. Lisitsa, N. R. Kulish. Opt. i spekt. 22 no. 4 671-672 Ap '67.
Evaporation of matter under laser radiation. I. V. Afanas'ev, O. N. Krokhin. Zhur. eksp. i teoret. fiz. 52 no. 4 966-975 '67.
"Fluoroball" of the light breakdown in the focus of a laser beam. G. A. Askorian and others. Pis'ma v Zhur. eksp. i teoret. fiz. 5 no. 5 150-154 M '67.
Frequency shift of a laser. V. I. Zharikov, Radiotekhn. i elektron. 12 no. 6 1115-1117 Je '67.
- LASERS**
Hardening of a hard alloy under the effect of a beam of light. I. E. Mirkin, I. F. Filipetski. Izv. AN SSSR Met. no. 4 137-138 M-Je '67.
Fluoroball of a plasma by the radiation from a laser located in a strong magnetic field. P. I. Shvunov, G. A. Sincerson. Zhur. tekhn. fiz. 37 no. 6 1161-1165 Je '67.
Interaction of traveling waves in a gaseous annular laser. V. N. Lisitsa, B. I. Troschin. Opt. i spekt. 22 no. 4 666-668 Ap '67.
Investigating generation in a ruby and neodymium glass in the case of a resonant pumping. K. I. Kiylov and others. Izv. vys. ucheb. zav. prib. 10 no. 4 9-11 '67.
Ionization rate in an electric discharge used for an argon-based laser. V. F. Litava and others. Zhur. tekhn. fiz. 37 no. 6 1173-1175 Je '67.
Laser beam in television. D. Gordicov, E. Ostapchuk. Radio no. 5 5-7 M '67.
A laser on the basis of a gallium nitride activated by neodymium. Kh. S. Bagdasarov. Pis'ma v Zhur. eksp. i teoret. fiz. 5 no. 7 220-223 Ap '67.
Laser subjected to an external signal. E. F. Bolikova, E. E. Fradkin. Opt. i spekt. 22 no. 5 834-837 M '67.
Michelson's laser interferometer. I. D. Kolomnitskiy, V. N. Lisitsa, V. P. Chetovskiy. Opt. i spekt. 22 no. 5 828-831 M '67.
One possibility of decreasing the angular radiation divergence from a monolithic laser. I. U. Anan'ev, V. D. Volosov. Zhur. tekhn. fiz. 37 no. 6 1165-1166 Je '67.
Optical generation in the solutions of complex molecules. R. I. Stepanov, A. N. Rubinov, V. A. Musatov. Pis'ma v Zhur. eksp. i teoret. fiz. 5 no. 5 141-148 M '67.
Oxidation of U^{2+} ions in aqueous solutions by ruby laser emission. A. V. Fgurov, V. V. Kozlovskiy. Khim. i tekhn. no. 3 202-204 M-Je '67.
Parametric resonances in the nonlinear theory of the Zeeman effect. N. N. Rozanov. Opt. i spekt. 22 no. 5 831-834 M '67.
Performance of the He-Ne optical quantum generator with a refraction of the optical path in the resonator. G. N. Bunov, K. S. Mustafin, T. A. Pilyshko. Opt. i spekt. no. 31 no. 5 8-9 M '67.
Production of Fourier holograms by means of a ruby laser. A. L. Mikaelin and others. Pis'ma v Zhur. eksp. i teoret. fiz. 5 no. 5 148-150 M '67.
Quantum yield of luminescence and energy yield of stimulated radiation in neodymium glass. N. M. Galaktionova and others. Dokl. AN SSSR 173 no. 6 1284-1286 Ap '67.
Rectangular light pipes for logical elements on injection semiconductor basals. L. M. Kuchukin. Izv. vys. ucheb. zav. prib. 10 no. 4 20-23 '67.
Resonance effects in the field of an intense laser beam. V. P. Orlovskiy. Zhur. eksp. i teoret. fiz. 52 no. 4 1040-1047 '67.
Shape and width of induced radiation lines in a hydrogen-beam laser. A. L. Nikitin, G. M. Stakhovskiy. Opt. i spekt. 22 no. 5 827-828 M '67.
Some mechanical effects in the interaction between pulsed electromagnetic radiation and metals. V. B. Bagdasarov, I. I. Minakova, V. N. Rudenko. Zhur. tekhn. fiz. 37 no. 6 1045-1051 Je '67.
Spectrum of a continuous laser with a confocal resonator. I. M. Belousova, O. B. Dandlov, V. V. Lushimov. Zhur. tekhn. fiz. 37 no. 6 1134-1139 Je '67.
Stationary generation in an optical resonator with lenses. M. D. Globus and others. Zhur. eksp. i teoret. fiz. 52 no. 4 857-865 '67.
Studying the effect of the longitudinal magnetic field on the operation of an He-Ne laser in a pulse regime. T. M. Perchanok, S. V. Pechurina, S. A. Fridrikhov. Zhur. tekhn. fiz. 37 no. 6 1166-1167 Je '67.
Studying the plasma-optical effects in a laser at 6 63, 1.15, and 3.39 μ wavelengths. L. F. Velichok, A. E. Potinad, S. A. Fridrikhov. Zhur. tekhn. fiz. 37 no. 6 1127-1133 Je '67.
Theory of two-photon retardation efficiency as apparent in optical phenomena in semiconductors. A. Dzhanisimov, R. Mamatkulov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 11 no. 3 63-65 '67.
- LATEX**
In the Scientific Technological Society of the Light Industry. V. Maslova. Khoz. obshch. pion. 9 no. 3 34-35 M '67.
Viscosity of latexes based on butadiene copolymers with methacrylic acid and its salt. V. L. Kuznetsov, A. V. Lebedev, A. I. Lysitskiy. Kauch. i rez. 26 no. 5 6-10 '67.
- LATHES**
A protective shield for lathes. L. A. Pufko. Shkola i proizv. 11 no. 5 45 M '67.
A table model of a wood-working lathe. S. S. Koval'. Shkola i proizv. 10 no. 9 67-71 S '66.
- LATHES—ATTACHMENTS**
Designing copies for metal lathes. I. P. Kononov. Mashinostroi. no. 5 23 M '67.
- LATIN AMERICA—COMMUNISTS**
About those who are always with us. Fracisco Zapeda. Nov. vrem. 25 no. 24 15-16 Je '67.
- LATIN AMERICA—INDUSTRIES**
Industrialization of Latin America and the U.S.A. monopolies. Z. Romanova. Mezhdunar. zhurn. oia. no. 6 45-57 '67.
The problem of industrialization in Latin America. I. U. Grigor'yan. Mezhdunar. zhurn. oia. no. 6 41-51 '67.
- LATIN AMERICA—INVESTMENTS, AMERICAN**
Industrialization of Latin America and the U.S.A. monopolies. Z. Romanova. Mezhdunar. zhurn. oia. no. 6 45-57 '67.
- LATIN AMERICA—POLITICS**
Latin America is struggling for freedom. V. Levin. Agitator no. 2 37-36 J '61.
A symposium on Latin American problems. S. Goncharov. Mezhdunar. zhurn. oia. no. 6 160 '67.
- LATIN LITERATURE—HISTORY AND CRITICISM**
Subject and literary characteristics of the Roman fable. O. A. Petrova. Trudy Lk. un. 33 67-82 '61.
- LATITUDE VARIATION**
Secular variations of the amplitudes of free and forced motions of earth's pole. V. P. Karklin. Geomag. i aer. 7 no. 1 160-161 '67.
- LATVIA (VORONEZH PROVINCE)—GRAIN ELEVATORS—MANAGEMENT**
Leading collective. E. Shatskiy. Zakup. sel'khoz. prod. no. 2 10 1 '67.
- LATVIA—AERONAUTICS, COMMERCIAL**
The Latvian mark. B. Evtsev and others. G. izh. no. 21 no. 4 1-9 Ap '67.
- LATVIA—AGRICULTURAL RESEARCH**
Agricultural research in socialist Latvia. Vest. sel'khoz. nauki 12 no. 5 9-12 M '67.
- LATVIA—BOOKS**
[Books and libraries] Gramatas un kniatus. Riga, Zinatne, 1988. 105 p. [In Latvian].
- LATVIA—CHORAL SOCIETIES**
[National choirs of Soviet Latvia] Padomju Latvijas tautas kori, 1986, Narodnye khory Sovetskoi Latvii 1986, [Riga, Zvazgze, n.d.] 105 p. Illus. [Parallel texts in Latvian and Russian].
- LATVIA—ECONOMIC CONDITIONS**
A hymn to the socialist system. V. Rubens. Komm. Vooruzh. Sil 18 no. 9 17-24 M '67.
- LATVIA—FISHERIES—ECONOMIC ASPECTS**
We are preparing for new working policy. R. Nersisany. Ryb. khoz. 43 no. 1 60-70 '67.
- LATVIA—INVENTORS**
Pooling for the club. L. Tun, Izob. i rats. no. 1 21 '67.
- LATVIA—LANDFORMS**
Determining the role of relief in the formation of the natural resources of the Latvian underground waters of the zone of intensive water exchange in the Latvian S. S. R. I. L. Dzina, V. I. Stapiens. Trudy GGI no. 139 153-161 '67.
- LATVIA—TRICHINA AND TRICHINOSIS**
Characteristics of the epidemiology of trichinosis in the Latvian S. S. R. M. Lazdina, A. Vikano, A. G. Ilnberg. Alud. paraz. i paraz. bol. 36 no. 3 307-312 M-Je '67.
- LATVIA—WATER, UNDERGROUND**
Determining the role of relief in the formation of the natural resources of the Latvian underground waters of the zone of intensive water exchange in the Latvian S. S. R. I. L. Dzina, V. I. Stapiens. Trudy GGI no. 139 153-164 '67.
- LATVIAN IN SWEDEN**
Dzirkalis, J. [Why did they run away? Truth about the Latvian National Fund in Sweden] Kapece vini bega? Patekste par Latviesu nacionalo fondu Zviedrijā. [Riga] Zvazgze, 1986. 86 p. [In Latvian].
- LAUNDRY MACHINERY**
Selecting an operating system for vacuum drying and pressing rollers and determining their efficiency. V. A. Minakov-Tsilkanovskiy, V. M. Kabakov. Nauk. i tekhn. gos. khoz. no. 5 34-41 '66.
- LAUREL** see subdivision under Azerbaijan
- LAW** see subdivision under Ukraine
- LAW—CASES**
(see also subdivision under Ukraine)
[Bulletin of the Supreme Court of the R. S. F. S. R.] Bui. Verkh. Suda RSFSR nos. 5-6 '67.
How public prosecutors supervise the observance of laws. Sots. zakon. no. 5 83-86 M '67.

LAW—PERIODICALS

For the further improvement of our work, I v v s uchob
zav. prav. no 17-19 Jan-17 '67

LAW—PHILOSOPHY

Legal and the historical school of law. S. T. Kechekhan,
Izv. v s uchob zav. prav. no 101-109 Jan-17 '67

Legal and legal normative acts. A. A. Fedoseev, Vest,
LGU 22 no 3 112-117 Mar '67

Executive and judicial means of the regulation of human
behavior. I. S. Sainovichenko, Izv. v s uchob zav.
prav. no 129-30 Jan-17 '67

Principal functions of jurisprudence. P. Nedbaito, Rad
prav. 30 no 5 3-9 May '67

LAWYERS

The 47th anniversary of the legal profession in the
USSR. I. Kukarskii, Sov. iust. 31 no 101-2 May
'67

LAWYERS, ARABIC

The Ninth Conference of the Federation of Arabic Lawyers
in Beirut. Sov. iust. 31 no 10, 26-27 May '67

LAYING OFF (SHIPBUILDING)

Working the ship bottom section. L. I. Balabanov,
Sudostroenie 57 no 3, 57-58 Mar '67.

Taking into consideration the distortion of optical sys-
tems in the photoprojection method of marking off
curved surfaces. I. I. Myntikov, Sudostroi i ma-
sh. 2 no 2 156-159 '66

LAZO, SERGEI GEORGIEVICH, 1804-1920

Yamroy, I. I. [Life is an heroic deed] Zhizn' - podvig,
Kishinev, Karla Moldovenaske, 1967, 368 p.

LEACHING

(see also subdivision under Fergana Province; Second
Baku)

Efficient use of heat in the Bayer method of alumina
production. N. S. Malits, V. A. Borshtein, TSvet,
razr. 40 no 1 57-62 Apr '67.

Leaching of red mud from aluminate solution by the Bayer
method. T. T. Buzayev and others, Zhur. prikl. khim.
42 no 3 487-492 Mar '67

LEAD

(see also subdivision under Chechen Peninsula)

Electrochemical method of determining uranium (VI)
in metallic lead. P. N. Kovalenko, G. G. Shchomoleva,
I. S. Sokolova, Zav. lab. 33 no 3, 287-288 '67.

LEAD—SPECTRA

Spectral method of the isotopic analysis of lead. M. S.
Kashan, V. V. Bulatov, I. S. Zykhova, Geokhimiya no. 5:
633-636 May '67

LEAD INDUSTRY—COSTS see subdivision under Leningorsk

LEAD ISOTOPES

(see also subdivision under Altai Mountains; Sayan
Mountains)

Spectral method of the isotopic analysis of lead. M. S.
Kashan, V. V. Bulatov, I. S. Zykhova, Geokhimiya no. 5:
633-636 May '67

LEAD OXIDES

Thermodynamic study of PbO₂, Pb₃O₄, and PbO reduction
by hydrogen and carbon monoxide. D. K. Lambiev, M. S.
Kuznetsov, Khim. i tek. 8 no 2 288-291 Mar-Apr '67.

LEAD POISONING

Periodic isotope activity of the digestive apparatus in
experimental lead poisoning. A. A. Mambueva, Biol.
teor. i prakt. 53 no 6 26-29 Dec '67.

LEAD SELENIDES

Preparation of lead selenide single crystals with a
perfect structure. I. S. Avez'yanov and others, Izv. AN
SSSR, Neorg. mat. 3 no 5, 877-878 May '67.

LEAD SULFIDES—ELECTRIC PROPERTIES

Effect of electron bombardment on the conductance of
thin PbS layers. O. M. Artamonov, G. A. Udovina,
Vest. LGU 22 no 4 130-131 Apr '67.

LEAD SULFIDES—THERMOELECTRIC PROPERTIES

Thermoelectric properties of Pb-type lead sulfide. G. B.
Akhmediev, V. Z. Kuliev, K. Sh. Kakhmanov, Dokl. AN
Azerb. SSR 23 no 1-9-12 '67.

LEAD TELLURIDES

Polarographic determination of lead and tellurium in the
system PbTe—SnTe. V. V. Sokolov, E. N. Vinogradova,
A. V. Novoselova, Vest. Mosk. un. Ser. 2, Khim. 22
no 2 50-53 Mar-Apr '67.

LEAD TELLURIDES—PHOTOELECTRIC PROPERTIES

Study of temperature relationships of photoelectric
parameters in lead telluride layers. V. V. Bellakova,
I. A. Bezhzhina, D. A. Genetova, Opt. i mekh. priem.
34 no 3 1-5 May '67.

LEAF MINERS—EXTIRMINATION

Toxicity of organophosphoric insecticides to leaf miners.
G. N. Aleksidra, Khim. v sel. khoz. 5 no 5 14-15 '67

LEAF ROLLERS see subdivision under Mordovia

LEAF ROLLERS—EXTIRMINATION

Evaluating the effectiveness of bacterial preparations
combined with acrin against the apple ermin moth
Hyponomeuta malinellus and the hawthorn leaf roller
Cacoccia cistagana Hb. Z. M. Koretskaya, Zashch.
rast. [Kiev] no 4 34-38 '67.

LEAF SPOT see subdivision under Georgia

LEARNING, PSYCHOLOGY OF

Consideration of individual characteristics of thinking in
school children during the process of teaching. G. P.
Antonova, Vop. psikh. 13 no 2 89-100 Mar-Apr '67

Experience in the composition of programmed textbooks
based on the psychological theory of learning. Vop.
psikh. 13 no 2 51-65 Mar-Apr '67.

Methodological search in Russian schools of the early
20th century relating to the problem of the active par-
ticipation of students in the learning process. S. F.
Egurov, Nov. issl. v ped. nauk. no 4 166-170 '65.

Monitoring the learning process. P. A. Gal'perin, Nov.
issl. v ped. nauk. no 1 15-20 '65.

On the border of psychology and the methodology of teach-
ing. A. Vlasov, Vop. psikh. 13 no 2 178-183
Mar-Apr '67.

Using the personal experience of evening shift students
in the process of assimilation of knowledge. D. V.
Vil'kevich, Nov. issl. v ped. nauk. no 4 73-78 '65.

LEAST SQUARES

Approximate solution of linear operator equations in
Hilbert space using the method of least squares.
Part 2. V. V. Ivanov, V. I. Kudachin, Zhur. vych. mat.
i mat. fiz. 7 no 3 475-196 May-June '67.

LEATHER

Increase of the output of split and improvement of the
quality of leather made from them for shoe upper s
and leather notions. M. Kheymovskii, Kozh.-obuv.
prom. 9 no 3 33-34 Mar '67

New standard methodology for the production of stiff
leather from pig hides. S. V. Arbutov, Kozh.-obuv.
prom. 9 no 3 9-11 Mar '67.

Processing of high-colored sale leathers. A. V. Korneva,
I. D. Verbitskaya, Kozh.-obuv. prom. 9 no 3 27-29
Mar '67

Split as valuable leather material for the manufacture
of shoes. V. F. Kurnashov and others, Kozh.-obuv.
prom. 9 no 3 25-27 Mar '67.

LEATHER—ANALYSIS

Complexometric microdetermination of chromium and
zinc content in leather by "without titration." V. A.
Dukhota, P. N. Fedoseev, Izv. v s uchob zav. i tekhn.
leg. prom. no 2 76-80 '67

Volumetric-complexometric determination of the
amount of zinc content and chromium in leathers. V. I.
Volskekhovskii, I. M. Fedotova, Kozh.-obuv. prom. 9
no 4 18-19 Apr '67.

LEATHER—DRYING

Study of the process of vacuum drying of chrome leather.
I. A. Babin, Izv. v s uchob zav. i tekhn. leg. prom.
no 2 58-60 '67

LEATHER—GRADING

Precision of various methods for the determination of
stiff leather categories. Report No. 1. B. L. Pilen,
G. N. Kuplanova, M. P. Kuplanov, Izv. v s uchob
zav. i tekhn. leg. prom. no 2 69-75 '67.

LEATHER—STANDARDS

Choice of the minimal quantity of indices determining
the quality of leather. I. S. Ovechkin, Kozh.-obuv.
prom. 9 no 3 14-16 Mar '67.

LEATHER—TESTING

Effect of moisture on the wear resistance of sole leather.
A. F. Miglachenko, A. F. Ivanov, Kozh.-obuv. prom.
9 no 4 16-17 Apr '67

LEATHER, ARTIFICIAL

Artificial leather made from a modified polyamide. I. D.
Tumarkina, V. I. Alekseenko, V. V. Abramova, Kozh.-
obuv. prom. 9 no 4 19-22 Apr '67.

Kinetics of the evaporation of a mixture of solvents from
a solution of nitrocellulose. Report No. 1. V. M. Chesu-
nov, R. S. Svirid, Izv. v s uchob zav. i tekhn. leg. prom.
no 2 45-51 '67.

More attention to the design of shoes from artificial
leather. S. V. Tumasheva, V. G. Godeeva, Kozh.-
obuv. prom. 9 no 4 24-27 Apr '67.

LEATHER INDUSTRY

Scientific labor organization in the leather industry.
B. A. Baldeev, I. A. Gur'ev, T. A. Gryzlova, Kozh.-obuv.
prom. 9 no 4 11-14 Apr '67.

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

From cotton soap stock for the stuffing of leathers
M. Mirzabekova and others, Masl. zhur. prom. 33 no 4:
31-35 Apr '67.

LEAVES—MORPHOLOGY

Morphological characteristics of leaves of the polyploid
sugar-fodder beet hybrids. I. A. Shevtsov, Ukr. bot.
zhur. 24 no 3 41-43 May-June '67

LEBANON

A land open to all the winds. B. Riurikov, Nov. vrem.
25 no 21 30-32 May '67

LECTURES AND LECTURING

In order to understand the circumstances we must estab-
lish contacts. N. G. Agitator 35 no 10 50-53
May '67

Knowing one's business. N. P. Okhonenkov, Agitator
35 no 11 36-38 June '67.

Propaganda of international affairs in the anniversary
year. Mezhdunar. zhizn' 14 no 6 158-160 '67.

LEG—BLOOD SUPPLY

Angiographic characteristics of veins of the lower extre-
mities under normal conditions and in pathology. St. M.
Gafstian, G. M. Andrianov, Zhur. eksp. i klin. med. 7
no 2 51-58 '67.

LEG—DISEASES

Clinical and experimental substantiation of phlebography
in the omphaloblastic and postphlebolic syndrome of the
lower extremities. R. P. Askerkhanov, G. G. Magomedov,
Vest. khir. 98 no 1 29-38 Apr '67

Surgical treatment of insufficiency of deep veins of the
lower extremities. M. D. Vasiliuk, Vest. khir. 98
no 4 99-100 Apr '67

LEG—FRACTURE

Isometric tensions as a means of preventing muscular
atrophy in the treatment of extremity fractures. Z. M.
Ataev, Vop. kur. i fizioter. i tekhn. 32 no 2:
140-146 Mar-Apr '67

LEG—SURGERY

Methodology of the surgical treatment of elephantiasis
of the lower extremities. G. G. Karavanov, A. N.
Retvin'skii, Klin. khir. no 3 43-48 Mar '67.

LEG—WOUNDS AND INJURIES

Case of a leg wound caused by a ski stick. Z. V.
Mitschikhina, I. S. Reutov, Voen.-med. zhurn. no 5
74 May '67.

LEGAL AID

(see also subdivision under Bashkiria)

Our legal advice. A. Zernakova, E. V. Lukavich, I. Stralin,
Sots. zakon. no 5 59 May '67.

LEGAL RESEARCH

(see also subdivision under Ukraine)

A theoretical conference of lawyers. Izv. v s uchob zav. i
prav. no 1 136-139 Jan-17 '67

LEGISLATION

Logic of legal normative acts. A. A. Fedoseev, Vest.
LGU 22 no 5 112-117 Mar '67.

LEGUMINOSAE see subdivision under Crimea; Talysh Mountains

LEIPZIG—FAIRS

Leipzig during March 1967. G. Porozhenko, NFO 9
no 1 54-55 Apr '67.

Leipzig, spring 1967. V. Agonov, Vnesh. toig. 17
no 5 12-15 '67

LEISHMANIA—CULTURES AND CULTURE MEDIA

Experiments on lyophilization of Leishmania tropica
major cultures. V. A. Serebriakov and others, Med.
paraz. i parazit. 36 no 3 267-269 May-June '67.

LEISHMANIASIS see subdivision under Kara Kum

LEISURE

The five-day workweek and problems of the efficient
use of leisure time. O. A. Alimov, Ekon. Rad. Ukr. 10
no 5 1-8 May '67.

LEMMINGS see subdivision under Kharaulakh Mountains

LENCEWICZ, STANISLAW

Professor Stanislaw Lencewicz as a scientist and founder
of the scientific geographical school. I. G. Kamanin
Izv. AN SSSR, Ser. geog. no 3 115-117 May-June '67.

LENGTH MEASUREMENT

Markov, N. N., G. B. Kalner, and P. A. Satsurdolov, [Er-
ror and selection of instruments in linear measure-
ments] Pogreshnost' i vybor sredstv pri licheniykh iz-
mereniyakh. Pod red. N. N. Markova, Moskva,
Mashinostroyeniye, 1967, 391 p.

LEININGRAD—WOMEN—EMPLOYMENT

Forward glory to the working woman. N. Evseev. *Sovetskaya*, 42 no. 4-47 Ap '67.

LEININGRAD—WORLD WAR, 1939-1945

Sketches on the history of Leningrad. Ocherki istorii Leningrada. Leningrad, Nauka. Vol. 5 [The period of the Great Patriotic War of the Soviet Union, 1941-1945] Period Velikoi Otechestvennoi voiny Sovetskogo Soyuza, 1941-1945 gg. 1967. 747 p.

LEININGRAD PROVINCE—AUTOMOBILE DRIVERS

Driver I wish you luck! V. Petrov. *Izvestiya* 35 no. 11 44 Je '67.

LEININGRAD PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

We must check whether the work has been carried out, and strengthen the party and state discipline. G. Romanov. *Part zhizni* no. 11-11-22 Je '67.

LEININGRAD PROVINCE—COMMUNITY CENTERS

The activists. P. Bushagin. *Izvestiya* 35 no. 11, 44 Je '67.

LEININGRAD PROVINCE—CONODONTS

Distribution of conodonts in Lower Ordovician sediments in Leningrad Province. S. P. Sorokina. *Uch. zap. Prikl. Geol.* 290 131-139 '66.

LEININGRAD PROVINCE—ECONOMIC CONDITIONS

We must check whether the work has been carried out, and strengthen the party and state discipline. G. Romanov. *Part zhizni* no. 11-11-22 Je '67.

LEININGRADSK—LEAD INDUSTRY—COSTS

Day-to-day control of production costs. V. Buda. *V. Izvestiya. Nauch. khoz. Kazakh* no. 5 30-33 My '67.

LEININGRADSK—NONFERROUS METAL INDUSTRIES—MANAGEMENT

Initiative, creativeness, and economy. I. L. Zhelezovskiy. *Nauch. khoz. Kazakh* no. 5 30-33 My '67.

LEININGRADSK—KUZNETSKIY (KEMEROVO PROVINCE)—DRAWING (METALWORK)

Modernization of auxiliary operations on heavy drawing machines at the Koltchugino Nonferrous Metalworking Plant. V. I. Rubio. *Izv. Vuzov. Tekhn. i. inzh. nauch.* 40 no. 4 80-83 Ap '67.

LEININGRADSK—LOWLAND—BEANS

Chemical composition of bean seeds in Leningrad Lowland. A. A. Kufayev, V. B. Rifev. *Dokl. AN Azerb. SSR* 24 no. 1 51-54 '67.

LENSES

"Anti-reflective layers" and coloration of photographic objectives. V. V. Obolodskiy, V. N. Rozhdvestvenskiy, I. Cherniy. *Opt.-mekh. prom.* 31 no. 5 60-65 My '67.

Electron-optical parameters of two-electrode cylindrical immersion lenses. L. G. Glikman, V. M. Kul'man, E. M. Likhachev. *Zhur. tekhn. i. inzh. nauch.* 1020-1034 Je '67.

Optimal conditions for the correction of spherical aberration and optimal position of the image plane. V. M. Prokopenko. *Opt.-mekh. prom.* 34 no. 5 12-17 My '67.

LENSES, PHOTOGRAPHIC

Lens alignment and misalignment determination by the photoelectric method. K. A. Hamazanova and others. *Izv. Vuzov. Tekhn. i. inzh. nauch.* no. 5 101-104 '66.

Panoramic objectives for cameras. N. A. Gradyboeva. *Zhur. tekhn. i. inzh. nauch.* 12 no. 2 151-159 Mu-Ap '67.

LEONARDO DA VINCI, 1452-1519

Technical drawings of Leonardo da Vinci. A. Flerov. *Tekhn. est.* 4 no. 4 30 Ap '67.

LEONOV, ALEKSEI ARKHIPOVICH, 1935-

Four letters. A. Avdeev. *Sov. voia* 40 no. 1 16-18 Ja '67.

LEOPARD MOTH

Mechanizing the control of leopard moths. P. P. Savkovskiy. *F. i. V. I. Akhukovskiy. Zashch. rast.* 12 no. 5 28-29 '67.

LEPNEVA, SOFIA GRIGOR'EVNA, 1883-1966

In memory of Sofia Grigor'evna Lepneva, 1883-1966. V. I. Zhdan and others. *Gidrobiol. zhurn.* 3 no. 3 94-96 '67.

LEPTOSPIROSIS

(see also subdivision under Lugansk Province; Sakhalin)

Epidemiological characteristics of outbreaks of the "bathing" nonfebrile leptospirosis. Z. I. A. Nazanova, L. I. Turovskaya, O. A. Levashina. *Zhur. mikrobiol., epid. i. immun.* 44 no. 6 130-131 Je '67.

LEPTOSPIROSIS—CONGRESSES

Conference of the scientific group of the World Public Health Organization on problems of scientific research work in the field of leptospirosis. V. S. Kikterko, V. V. Anan'tin. *Zhur. mikrobiol., epid. i. immun.* 44 no. 4 151-152 Ap '67.

LERMONTOV, MIKHAIL YUR'EVICH, 1814-1841

L. N. Tolstoy about M. M. Lermontov. A. L. Rubanovich. *Izvestiya* 33 3-10 '61.

Theomist motifs in the philosophical lyrics of M. M. Lermontov. A. E. Kozlovskiy. *Uch. zap. MGPI* no. 213 32-72 '61.

LEROUX, PIERRE, 1797-1871

Victor Hugo, Pierre Leroux, and the "symbolist styles". B. Ruzov. *Lv. AN SSSR Ser. lit. i. inzh.* 26 no. 2 113-120 Mi-Ap '67.

LESKOV, NIKOLAI SEMENOVICH, 1831-1895

The artistic originality of the legends of N. S. Leskov, written according to the materials of the "Prolog". V. I. Protitskiy. *Uch. zap. MGPI* no. 213 302-321 '61.

LESOTHO—DIAMOND MINES AND MINING

The price of Mrs. Angelland's diamonds. M. Zencovich. *V. i. inzh. nauch.* 10 no. 6 31-37 Je '67.

LEUCIN

Inclusion of labeled leucine into the proteins of liver mitochondria. F. A. Patus. *Dokl. AN SSSR* 174 no. 1 234-235 My '67.

LEUCOCYTES

Allergic alteration of leucocytes in pollinosis. N. V. Meduntyan, V. B. Gerasimova. *Uch. zap. MGPI* no. 61 no. 5 77-80 Je '67.

Chromosomal abnormalities in the peripheral blood leucocytes of acute endemic hepatitis patients. I. U. A. Kerkis and others. *Genetika* no. 5 85-91 My '67.

Clinical value of determining the activity of alkaline phosphatase of leucocytes in pulmonary tuberculosis. A. V. Tsigulnik, I. U. A. Gerasimova. *Sov. med.* 40 no. 5 23-27 My '67.

LEUCOPENIA

Problem of leucopenia in some diseases. I. G. Sokol'skiy. *Voen.-med. zhurn.* no. 5 29-31 My '67.

LEUKEMIA

Case of lymphatic leukemia of cattle in Alma-Ata Province. P. M. Kazencin. *Vest. sel'khoz. nauch. [Kazakh]* 10 no. 2 115-117 '67.

Corticosteroid hormones in the treatment of lymphoid leukemia. L. T. Mirnitskiy. *Zhur. eksp. i. inzh. nauch.* 7 no. 2 70-77 '67.

Cytochemical and cytogenetic characteristics of leukemia cells. N. V. Dzhibladze. *Sob. AN Gruz. SSR* 46 no. 1 165-168 Ap '67.

Cytogenetic study of acute leukemia. E. K. Platin. *Probl. gamet. i. perol. krov. i. inzh.* 11 no. 5 14-19 My '66.

Determination of the density of electric charge of blood cells in leukemia. A. A. Bakhtianskaya. *Probl. gamet. i. perol. krov. i. inzh.* 11 no. 5 24-29 My '66.

Immunohematological changes in the marrow in acute leukemia and lymphogranulomatosis. N. I. Shubayeva, V. P. Dygin. *Probl. gamet. i. perol. krov. i. inzh.* 11 no. 5 20-24 My '66.

Radiation leukemia. Zh. F. Duplek. *Probl. gamet. i. perol. krov. i. inzh.* 11 no. 5 30-47 My '66.

Study of the leukemogenic activity of mononuclear tissue cultures infected with material from human leukemic tissue. V. M. Bergol'ts, V. V. Demet'eva, B. E. Chachik. *Probl. gamet. i. perol. krov. i. inzh.* 11 no. 5 32-37 My '66.

Use of vitamins in the treatment of chronic leukemia at its early stage. Report No. 2. T. A. Chanturava, O. V. Aksunova, V. D. Ivanova. *Probl. gamet. i. perol. krov. i. inzh.* 11 no. 5 29-31 My '66.

LEVEL (SURVEYING INSTRUMENT)

Effect of curvature of liquid surfaces on image quality in telescopes of liquid compensator levels. I. U. Bespalov. *Izv. Vuzov. Tekhn. i. inzh. nauch.* no. 5 95-100 '66.

LEVEL INDICATORS

Dynamic characteristics of piezometric systems for measuring liquid levels. L. A. T. Dub, V. L. Shkarchenko. *Kont. i. inzh. nauch.* no. 3 123-128 '66.

Experience in operating "Ritsa" telemetering equipment and UDO-II level gauge in tank farms. V. V. Matok, Mash. i. inzh. nauch. no. 1 35-3 of cover '67.

Explosionproof electrical transducers of pressure, flow and interphase levels. V. M. Gollitsyn, V. S. Chernyshev, A. S. Govorukhin. *Mash. i. inzh. nauch.* no. 4 32-36 '67.

Metal level indicator in a cupola forehearth. V. M. Goldshchik. *Lit. proizv.* no. 5 43 My '67.

Using thyatron relays with coal cathodes in radioisotope instruments. G. A. Prokhorov, S. G. Bakhrin, Nauch. trudy Prib. i. inzh. nauch. no. 7 163-169 '64.

Working principle, analysis of errors, and methodology of calculation of the float level gage. A. M. Dmitriyev. *Meteor. i. gidrol.* no. 4 85-91 Ap '67.

LEVELING

Alignment method for plotting nets for surface leveling. P. I. Baran. *Inzh. geod.* no. 1 100-103 '65.

Calculation of the accuracy of leveling in the construction of drainage systems. I. A. Zaitsev. *Geod. i. inzh. nauch.* 11 25-27 N '66.

Determining permissible time intervals between micrometer readings when taking measurements of hydrostatic apparatus. A. A. Nazarchuk. *Inzh. geod.* no. 1 85-89 '65.

LEVINSO, LEON BENTSIANOVICH, 1902-1967

In memory of Leon Bentisyanovich Levins. *Zool. zhurn.* 46 no. 4 161-162 Ap '67.

LEVITAN, ISAAK IL'ICH, 1861-1900

Fedorov-Davydov, A. A., ed. [Isaak Il'ich Levitan; documents, materials, bibliography] Isaak Il'ich Levitan; dokumenty, materialy, bibliografiya. Moskva, Iskusstvo, 1966. 238 p.

Fedorov-Davydov, A. A. [Isaak Il'ich Levitan; his life and work] Isaak Il'ich Levitan, zhizn' i tvorchestvo. Moskva, Iskusstvo, 1966. 401 p. illus.

LEVITSKI, IAKOV ALEKSANDROVICH, 1906-

I. A. Levitskiy's 50th birthday. S. D. Shazkin, E. V. Gutsnoy. *Vop. ist.* 42 no. 5 166-168 My '67.

LEVOMYCETIN

Photocolorimetric determination of levomycetin in preparation used for blood preservation. *Farmatsiya* 16 no. 2 15-18 Mi-Ap '67.

LEZGHIAN LANGUAGE

Category of grammatical classes in the Lezghian language. U. A. Melanova. *Uch. zap. IAL Dag. fil. AN SSSR* 10 262-297 '62.

LIABILITY (LAW)

Problem of liability for damage caused in the situation of extreme necessity and self-defense. S. L. Gilderman. *Trudy ik. un.* 39 231-241 '65.

LIASHKOV, SERGEI IVANOVICH, 1926-1967

In memory of Sergei Ivanovich Liashkov. *Farmatsiya* 16 no. 2 93 Mi-Ap '67.

LIBERTY OF THE PRESS

Bereznoi, A. F. [Czarist censorship and the struggle of the Bolsheviks for a free press, 1895-1914] TSarskaya tsenzura i bor'ba bol'shevikov za svobodu pechati (1895-1914) [Leningrad] Izd-vo Leningr. univ., 1967. 286 p.

LIBRARIES see subdivision under Moscow, Turkistan

LIBRARIES, WORKINGMEN'S see subdivision under Ust'-Ilim (Kazakh Province)

LIBYA—PETROLEUM INDUSTRY

Petroleum of Libya. A. Osipov. *Neftianik* 13 no. 5 37-38 My '67.

LICE AS CARRIERS OF DISEASE

Possibility of transmission of tick-borne recurrent typhus by lice. Report No. 3. Further materials on the fate of spirochetes of tick-borne recurrent typhus in the organism of clothes lice. L. A. Favorova and others. *Med. parazit. i. parazit. boi.* 36 no. 3 319-323 My-Je '67.

LICHENS AS FEED

Effect of feeding reindeer lichen on the productivity of minks. V. P. Bukhmenov, Trudy Nauch.-issl. inst. sel'khoz. Kraia, Sev. 13 202-206 '66.

LICHKOV, BORIS LEONIDOVICH, 1888-1966

Boris Leonidovich Lichkov (1888-1966), obituary. S. I. U. Geller and others. *Lv. AN SSSR Ser. geog.* no. 3 137-139 My-Je '67.

Boris Leonidovich Lichkov; obituary. V. S. Samarin, N. N. Sokolov. *Vest. LGU* 22 no. 6 160-161 Mi '67.

LICORICE see subdivision under Azerbaijan

LIDICE, CZECHOSLOVAKIA

A place where people live. Lidice. *Nov. vrem.* 25 no. 24-25-26 Je '67.

LIDIN, GEORGI DMITRIYEVICH, 1907-

Prof. G. D. Lidin is 60. *Ugol'* 42 no. 5 71 My '67.

LIE ALGEBRAS

Squares of adjacent endomorphisms in simple Lie p-algebras. A. I. Kostrikov. *Izv. AN SSSR Ser. mat.* 31 no. 2 446-447 Mi-Ap '67.

LIFE (BIOLOGY)

Problem of the nature of life and the biophysical aspects of its interpretation. N. T. Kostuk. *Filos. probl. such. prirodo.* no. 6 385-387 '66.

LIFUDZIN REGION (MARITIME TERRITORY)—AXINITE

Axinite of the Lifudzin deposit. T. V. Zabailina. *Sob. DVFAN SSSR* no. 24 45-46 '65.

LIGHT—DIFFRACTION

Diffraction of light on a magnetic film. M. I. Dukhanina, L. M. Klukina, V. A. Fabrikov. *Lv. AN SSSR Ser. fiz.* 31 no. 5 783-784 My '67.

MACHINERY—ELECTRIC POWER AND REPAIR
See also subdivision under Electrical Engineering

MACHINERY—RELIABILITY
Bibliography of the reliability of machines and mechanisms
Izv. AN SSSR no. 3 60-62 '66

Reliability of machines and mechanisms
Izv. AN SSSR no. 3 60-62 '66

MACHINERY—STANDARDS
Standards for machinery
Izv. AN SSSR no. 3 60-62 '66

MACHINERY—STORAGE

Vorobey, P. A. [Using various means and methods for the storage of machines, instruments, and articles depending on storage conditions] Primennye razlichnykh sredstv khraneniya mashin, priborov, i izdeliy v zavisimosti ot usloviy khraneniya. Leningrad, 1957. 25 p. (Izvestiya Goskhoztekhnicheskoi promyshl. Seriya "Uchebnoye kachestvo, povysheniye kachestva izdeliy i kachestva mashin, priborov, i izdeliy pri razlichnykh usloviyakh khraneniya")

MACHINERY—TERMINOLOGY
Current terminology in order. P. A. Vorobey, A. I. Sidorov. Stanki i khit. 31 no. 5 17-18 May '67

MACHINERY, AUTOMATIC
Automatic machinery in the USSR and abroad
Izv. AN SSSR no. 3 60-62 '66

MACHINERY, AUTOMATIC—EXHIBITIONS
Exhibitions of automatic machinery
Izv. AN SSSR no. 3 60-62 '66

MACHINERY IN INDUSTRY
Machinery in industry
Izv. AN SSSR no. 3 60-62 '66

MACHINERY INDUSTRY
(see also subdivision under Heavy Industry, Machine Building, and Metalworking)

Development of the machinery industry in the USSR
Izv. AN SSSR no. 3 60-62 '66

Giving an example of the work of the machinery industry
Izv. AN SSSR no. 3 60-62 '66

Development of the machinery industry in the USSR
Izv. AN SSSR no. 3 60-62 '66

MACHINERY INDUSTRY—ACCOUNTING
Accounting in the machinery industry
Izv. AN SSSR no. 3 60-62 '66

Accounting in the machinery industry
Izv. AN SSSR no. 3 60-62 '66

Accounting in the machinery industry
Izv. AN SSSR no. 3 60-62 '66

MACHINERY INDUSTRY—AUDITING AND INSPECTION
Karpov, I. D. [Economic analysis of auxiliary production] Ekonomicheskiy analiz vspomogatel'nogo proizvodstva. Moskva, Ekonomika, 1967. 159 p.

MACHINERY INDUSTRY—COSTS see subdivision under Leningrad

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Electrotechnical, Moscow Province)

Grinchenko, I. A. [Effectiveness of the introduction of new equipment in machinery plants, a methods manual] Effektivnost' vnedreniya novoi tekhniki na mashinostroitel'nykh predpriyatiyakh, metodicheskoe posobie. Moskva, 1967. 50 p.

MACHINERY INDUSTRY—FINANCE
(see also subdivision under Ukraine)

Costs in the machinery industry
Izv. AN SSSR no. 3 60-62 '66

MACHINERY INDUSTRY—INFORMATION SERVICES
Mechanized processing of operational information at a machinery plant. G. V. Nazarenko and others. Mekh i avtom. proizv. 21 no. 5 30-33 '67

MACHINERY INDUSTRY—MANAGEMENT
(see also subdivision under Komsomol'sk-on-Amur; Moldavia; Sverdlovsk; Sverdlovsk Province; Tashkent; Yaroslavl Province)

Construction, road and municipal machinery industry in 1967. Stroi i dor. mash. 12 no. 1-2 Jan '67.

MACHINERY INDUSTRY—PATENTS
Patent service of the Novokramatorski V. I. Lenin Plant of Heavy Machinery Manufacture. A. A. Bogatyrev, Voprosy. no. 12-27-29 D '68.

MACHINERY INDUSTRY—PRODUCTION STANDARDS see subdivision under Moldavia

MACHINERY INDUSTRY—QUALITY CONTROL
Control of the quality of production in machinery and metalworking. S. I. Kikic. Izv. AN SSSR no. 3 60-62 '66

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Kirghizistan, Ukraine)

Scientific innovations in mechanical engineering. Vest. mashinostro. 47 no. 5 25 May '67

MACHINERY INDUSTRY WORKERS see subdivision under Byazan

MACHINISTS' TOOLS—MAINTENANCE AND REPAIR
El'mov, S. L. [Reconditioning tool equipment] Vostanovlenie instrumental'noi osnastki. Gor'kiy, Volgo-Vlatskoe knizhnoe izd-vo, 1966. 101 p.

MACROMOLECULAR COMPOUNDS
Calculation of volume effects in macromolecules by the Monte-Carlo method. Nonintersecting chains on cubic lattice. A. K. Kron, O. B. Pitsyn. Vysokom. soed. Ser. A 9 no. 4 755-764 Apr '67

Stropekheev, A. A., V. A. Derzhinskaya, and G. L. Slonimskii. [Principles of the chemistry of macromolecular compounds]. Osnovy khimii vysokomolekulyarnykh soedinenii. Ed. 2. [Moskva, Khimiya, 1966] 513 p.

MACROMOLECULAR COMPOUNDS—CONGRESSES
Fifteenth International Symposium on Macromolecular Chemistry in Japan. Vysokom. soed. Ser. A 9 no. 4 956-966 Apr '67

MAGADAN PROVINCE—BIBLIOGRAPHY
Zhalina, N. S. [What to read about Magadan Province; index of recommended literature] Chto chitat' o Magdanskoi oblasti, rekomendatsii i bibliografiya literatury. [Magadan] Magdanskoe knizhnoe izd-vo, 1966. 191 p.

MAGNESIA
Brucite marble from the Telbes region. M. K. Kharagov, G. R. Borovik, A. I. Suchkov. Ogneupory 32 no. 5 24-26 '67

Studying kinetics and mechanism of deformation of magnesium oxide compacts during firing. I. G. Orlova, I. S. Karparskiy, M. I. Prokopenko. Ogneupory 32 no. 4 30-35 '67

MAGNESITE see subdivision under Sakha (Chelyabinsk Province)

MAGNESIUM—ELECTROMETALLURGY
Effect of titanium addition to raw materials on current efficiency during magnesium electrolysis. K. D. Muzhikavich and others. Tsvet. met. 40 no. 5 65-67 May '67

MAGNESIUM—METALLURGY
Highly resistant refractories for magnesium chlorinators and electrolyzers. N. N. Usuluzhaurina, V. A. Ragozinukov, S. P. Solisov. Ogneupory 32 no. 5 26-29 '67

MAGNESIUM CHLORIDE
Chemical interaction of magnesium oxide with magnesium chloride solutions of various concentrations. B. I. Smirnov, E. S. Solov'eva, E. E. Segalova. Zhur, prikl. khim. 40 no. 3 505-515 Mar '67

Effect of admixtures of calcium, sodium, and potassium chlorides on the process of vacuum separation of magnesium thermal mass. B. N. Kuzhkin and others. 40 no. 3 501-505 Mar '67

MAGNESIUM FOUNDED—MODELS
Modeling the founding of aluminum and magnesium alloys. E. A. Iiskovich. Lit. proizv. no. 4 13-16 Apr '67

MAGNESIUM HALIDES
Opening of three-membered ring in 1,6-di-tert-butylpropane (2,5-octa-3,6-dien-5-one under the effect of magnesium halides. V. V. Ershov, I. S. Belostotskaya, A. A. Volod'kin. Izv. AN SSSR, Ser. khim., no. 4 930-932 Apr '67

MAGNESIUM ORGANIC COMPOUNDS see Organomagnesium compounds

MAGNESIUM OXIDES
Chemical interaction of magnesium oxide with magnesium chloride solutions of various concentrations. B. I. Smirnov, E. S. Solov'eva, E. E. Segalova. Zhur, prikl. khim. 40 no. 3 505-515 Mar '67

Effect of mixing on mass transfer in the chlorination of the magnesium oxide suspension in a chloride fusion. A. I. Teferovskiy. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 2 248-249 '67

Electronic excitation conductivity in magnesium oxide films. A. N. Andronov, V. L. Borisov. Trudy LPI no. 277 51-61 '67

Sintering of high-purity magnesium oxide with admixtures. P. P. Budnikov and others. Izv. AN SSSR. Neorg. mat. 3 no. 5 840-848 May '67

Studying the aging of secondary electron emission from magnesium oxide on the basis of a model. A. N. Andronov and others. Trudy LPI no. 277 44-49 '67

Temperature dependence of the coefficient of secondary electron emission for magnesium oxide films. V. I. Borisov. Trudy LPI no. 277 38-43 '67

MAGNESIUM OXIDES, EFFECT OF RADIATION ON
Dissociation of magnesium oxide under electron bombardment. A. N. Andronov and others. Trudy LPI no. 277 50-54 '67

MAGNETIC AMPLIFIERS
Transient processes in three-phase bridge-type magnetic amplifiers and their simulation. L. P. Timanovskaya. Prikl. elektrom. no. 4 139-147 '66

MAGNETIC CIRCUITS
Determination of the multiplicity of the output voltage of two-hole transformers. I. D. Kravchenko. Prikl. elektrom. no. 2 01-08 '66

Double threshold element using a transformer. Ch. I. Askarov, M. B. Gendler, V. A. Semenenko. Avtom. i tekm. no. 5 166-170 May '67

Examples of field calculations in a magnetic system. O. V. Tolozil, T. I. Petushenko. Nauch. tekhn. i inzh. no. 5 10-15 '66

MAGNETIC FIELDS
Closed magnetic traps for a plasma with a rotation of the formation angle equal to zero. V. D. Shafanov. Atom. energ. 22 no. 5 356-361 May '67

Determining the magnetic field of spreading currents in media divided by the surface of a spheroid. D. B. Gurvich, E. A. Syudovskiy. Zhur. tekhn. fiz. 37 no. 6 1025-1027 Jun '67

Determining the parameters of the adiabatic state of a plasma in the motion of an electron in a magnetic field. A. N. Dubinina, L. S. Krasitskaya. Prikl. elektrom. no. 5 10-15 '66

Diffusion of collisionless potassium plasma across a magnetic field during drift instability. A. A. Ivanov, I. A. Rakhimbayev, V. D. Ivanov. Zhur. tekhn. i inzh. no. 5 10-15 '66

Domain structure of a thin Permalloy film subjected to an high-frequency magnetic field. V. A. Kontinova. Izv. AN SSSR, Ser. fiz. 31 no. 6 750-755 May '67

Electromagnetic field of a vertical dipole over a spherical interface of two conductive media. V. I. Kuznetsov, V. N. Mikhailovskiy. Teor. elektrodin. no. 2 170-174 '66

Forceless magnetic field with a normal potential. I. A. Ermakov. Geomag. i aer. 7 no. 1 171-173 '67

Macroscopic description of a collision plasma for a strong magnetic field as a function of the stability problems. A. B. Mikhailovskiy. Zhur. tekhn. i inzh. no. 5 10-15 '66

Reflection of a plasma by a linearly increasing transverse magnetic field. A. M. Kovalev, N. A. Khlizimskiy. Zhur. tekhn. i inzh. no. 6 1025-1028 Jun '67

Shift of the end-point energy of plasma electron in a magnetic field. L. N. Delikh, V. V. Ivanov. Zhur. tekhn. i inzh. no. 5 10-15 '66

Solution of the problem of establishment of a longitudinal magnetic field in a plasma conductor. L. A. Mikhlin. Defektyoskopii. no. 2 73-74 '67

Studying the effect of the longitudinal magnetic field on the operation of an He-Ne laser in a plasma. P. M. Pechenok, S. V. Pechenok, S. A. Pechenok. Zhur. tekhn. i inzh. no. 6 1025-1028 Jun '67

MAGNETIC FIELDS (COSMIC PHYSICS)
Causes of two types of anomalous absorption in the plasma cap. G. M. Khocholova. Geomag. i aer. 7 no. 1 170-173 '67

Heating of the chromosphere above a sunspot. M. Mikhlin. Astron. zhur. 44 no. 2 336-341 '67

MAGNETIC INSTRUMENTS
Demonstration of the magnetic pole in a ring-shaped conductor. I. Ralsyn. Prof. tekhn. fiz. 23 no. 10 21-24 Oct '66

Selection of the geometrical parameters of low-frequency induction-type magnetic receiver. I. A. Mikhlin, V. A. Nichoga. Geofiz. app. no. 29 156-160 '66

Use of magnetometers and magnetic drives for space vehicles in countries outside the U.S.S.R. V. P. Nizov. Geofiz. app. no. 2 127-142 '65

MAGNETIC MATERIALS
Exchange interaction and temperature dependence of the Faraday effect in ferrimagnets. M. V. Chetkin, A. V. Shalygin. Zhur. tekhn. i inzh. no. 5 10-15 '66

Spontaneous Hall and Nernst-Edlendausen effects in ferromagnetic metals. S. N. Zhemcov. Vest. Mikhlin. Ser. 3 Fiz. astron. 22 no. 3 45-48 May-Jun '67

MAGNETIC MEASUREMENTS
Design of an induction-type detector for measuring weak variable magnetic fields. L. N. Borovskiy. Geofiz. app. no. 28 24-30 '66

2302

MANUFACTURES—ABSTRACTS

[Industry] Ref. zhurnal. Leg. prom. no. 6 Je '67.

MANUFACTURES—PRICES

Calculable prices in industry. V I Kovalevskii. Izv. Bel. 10 no. 6 21-25 Je '67.

MANUSCRIPTS, ARMENIAN

Use of use of antiquities. G. Vagarian. V. m. knig. 7 no. 2 42-43 '67.

MANUSCRIPTS, AZERBAIJANI

Preparing manuscript on medicine. N. S. Gaiyev. Az. zh. 44 no. 3 73-75 Mh '67.

MANZU, GIACOMO, 1908-

Biographical sketch of Giacomo Manzu. V. Goriainov. L. zh. 30 no. 4 50-53 '67.
Manzu, I. Kerbel'. Iskusstvo 30 no. 1 55-58 '67.

MAO TSE-TUNG, 1893

Social and economic conditions of the Mao Tse-tung group and the working class of China. A. Rumiantsev, A. Serebriakova. M. i. ekon. i. mezh. d. n. 6 30-44 '67.

MAP PRINTING

Characteristics of the preparation for printing of the collection map from the atlas of Anatolia. I. E. V. 10 no. 1 70-73 N '66.

MAP PROJECTION

Translation of azimuthal map projections. L. N. Amiatova. Geod. i. kart. 10 no. 1 65-69 N '66.

MAP SCALES

Practical aerial photogrammetric scale for making 1:5000 topographical maps using the universal method. I. Niko- l. 1. Geod. i. kart. 10 no. 5 51-59 Mj '67.

MAPS

Cartographic method of research. A. I. Spiridonov. Vest. V. k. u. Ser. 3. Geog. 22 no. 2 143-144 Mj-Ap '67.

MARGELAN (UZBEKISTAN)—WAREHOUSES—MANAGEMENT

Chisla i. d. V. G. [Work practice of the Margelan whole-sale base]. Opyt. raboty Margelinskoi optovoi bazy. Moskva, Ekonomika, 1967. 39 p.

MARIA, S. S. R.—PAPER INDUSTRY

In the Maria land. D. G. Viatkina, B. A. Cherepov. Bum. prom. no. 5 1-6 Mj '67.

MARINE CANAL SYSTEM see Volga-Baltic Sea Waterway

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

Analyzing the gas exhaust systems of the main engines of mass-produced ships. I. Danilov. Rech. i. transp. 26 no. 3 29-30 '67.

Approximate formulas for determining the inertia moment of masses and the yielding capacity of the diesel shaft. I. V. Piremov. Sudostroenie 57 no. 2 32-34 Mj '67.

Effect of the heating of fuel on the operation of a marine diesel. S. Kagan. Mor. flot 27 no. 4 24 Ap '67.

State and development of marine power plants abroad. V. P. Pozdnakov. Sudostroenie 57 no. 2 34-45 F '67.

MARINE DIESEL ENGINES—SUPERCHARGERS

Substitution of the PKR4-2V by the PKR4-9 turbocompressor in the 6Ch15P 18/22 diesels. V. Zaitsev. Rech. i. transp. 26 no. 3 31 '67.

MARINE DIESEL ENGINES—THERMAL PROPERTIES

Thermal stress of high-power two-stroke marine diesel engines with gas-turbine supercharging. E. M. Diakonov. Izv. v. s. uch. i. zav. mashinost. no. 4 70-75 '67.

MARINE ENGINEERING

Garber, E. D., and M. Sh. Shifrin. [Nonlinear problems in the automatic control of marine power plants]. Nelineynye zadachi avtomaticheskogo i regulirovaniia sudovyykh energeticheskikh ustanovok. Leningrad, Sudostroenie, 1967. 325 p.

Methods and system for overall automation of marine power plants. I. A. Rumiantsev. Sudostroenie 57 no. 4 26-32 Ap '67.

Zuev, L. P., and M. N. Krynilsa. [Mechanization of assembling operations on ships]. Mekhanizatsiya montazhnykh rabot na sudakh. Leningrad, Sudostroenie, 1967. 133 p. (Biblioteka rabochego-stroitel'a)

MARINE ENGINES

Balandin, I. F. [Thermal fatigue of metals in the manufacture of marine power machinery]. Termicheskaya ustoi-chivost' metallov v sudovom energomashinostroenii. Leningrad, Sudostroenie, 1967. 271 p.

Buznik, V. M. [Heat transmission in marine power plants]. Teploperedacha v sudovyykh energeticheskikh ustanovkakh. Leningrad, Sudostroenie, 1967. 376 p.

Smantsev, A. I. [Hydraulic automatic remote control of the PM-6 main steam engine, abstract of lectures]. Gidravlicheskie avtomaticheskie distantsionnye upravleniye glavnoi parovoi mashinoy PM-6, konspekt lektsii. Moskva, Transport, 1966. 54 p.

Some indices of the use of Götaverken engines DM 116W 1500 VGS-TU. G. F. Leishin. Ryb. khoz. 13 no. 1 22-23 '67.

MARINE ENGINES—FOUNDATIONS

Standardization of ship machinery foundations. V. M. Kharitonov. Sudostroenie 57 no. 4 55-59 Ap '67.

Use of the IMV plastic in engine mounting. L. M. Ugnich, M. M. Tephtskii. Sudostroenie 57 no. 4 68 Ap '67.

MARINE ENGINES—HYDRAULIC DRIVING

Present and future use of hydraulic drives on fishing vessels. S. S. Tolbin. Trudy VNIRO 59 29-38 '68.

MARINE FAUNA

Swimming speed of marine fauna. A. V. Chepurinov, V. V. Ochumilov. Priroda no. 1 59-63 Ap '67.

MARINE FLORA see subdivision under Black Sea, Caspian Sea

MARINE FOULING

(see also subdivision under Caspian Sea)

Sea wave as a chimney sweeper. A. Sashin. Izobr. i. rate. no. 4 39 '67.

MARINE GAS TURBINES

Characteristics of the automation of the steam-condensate cycle of the propulsion machinery of the "Sofia" type tankers. M. Sh. Shifrin, I. U. P. Volokhov. Sudostroenie 57 no. 3 31-33 Mj '67.

Experimental studies of the operation of turbine stages under conditions of reverse gas flow. A. M. Topunov, E. V. Minchin, I. U. N. Kulesh. Sudostroenie 57 no. 5: 25-28 Mj '67.

Some problems concerning the use of gas turbines on transport vessels. D. P. Gokhshtein and others. Sudostroenie 57 no. 5 20-24 Mj '67.

State and development of marine power plants abroad. V. P. Pozdnakov. Sudostroenie 57 no. 2 34-45 F '67.

MARINE PIPING

Ysyphakov, O. G. [Marine fiber glass piping]. Sudovyye truboprovody iz stekloplastikov. Leningrad, Sudostroenie, 1967. 213 p.

MARINE PUMPS

Measures for increasing the efficiency of cargo pumps on tankers. N. M. Podvolotski. Sudostroenie 57 no. 5 35-39 Mj '67.

MARINE RAILWAYS

Modernizing and improving the efficiency of building slips. P. Kadiashov. Rech. i. transp. 26 no. 4 33-31 '67.

MARINE REFRIGERATION

Determination of the basic operational indices of a marine refrigerating unit. B. B. Subbotov, M. I. Gimpel'man. Sudostroenie 57 no. 2 25-28 F '67.

A good engineer and a creative worker. L. Pospelov. Mor. flot 27 no. 5 1-5 Mj '67.

Norms of the consumption of lubricants, ammonia, and calcium chloride solution for ship refrigerating machinery. E. G. Chernikova, I. J. Kolisnik. Khim. tekhn. 41 no. 5 58-60 Mj '67.

MARINE SEDIMENTS

Potelin, V. P. [Granulometric analysis of marine bottom sediments]. Granulometricheskii analiz morskikh donnykh osadkov. Moskva, Nauka, 1967. 127 p.

MARINE SEDIMENTS—THERMAL PROPERTIES see subdivision under Balkal, Lake

MARINE STEAM TURBINES see Steam turbines, Marine

MARINE TURBINES

Determining critical speeds of ship turbine rotors using the similitude method. M. I. Lappa. Izv. v. s. uch. i. zav. mashinost. no. 3 35-38 '67.

MARITIME LAW

Some problems in applying the limitation of action. A. Starostin. Mor. flot 27 no. 5 30-37 Mj '67.

MARITIME METEOROLOGY see Meteorology, Maritime

MARITIME TERRITORY—CLAY MINERALS

Tertiary clay minerals of the Glukhov Depression of the Maritime Territory. E. A. Tkachenko, D. F. Korolev. Soob. DVFAN SSSR no. 24 59-60 '65.

MARITIME TERRITORY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Brief news, Agitator no. 4 63-64 F '61.

MARITIME TERRITORY—MINERALS

Mineralogical study of Cenozoic sediments of the Maritime Territory. D. F. Korolev, L. A. Butsk. Soob. DVFAN SSSR no. 24 53-58 '65.

MARITIME TERRITORY—ORE DEPOSITS

Alteration of enclosing rocks adjacent to ore bodies in one of the tin-sulfide deposits of the Maritime Territory. V. P. Shashkina. Soob. DVFAN SSSR no. 24 21-25 '65.

MARITIME TERRITORY—PALYNOLOGY

Upper Permian spore-pollen complexes of the Lachin-Grodekovo fold zone and their significance for the study of flora. V. G. Zimin. Soob. DVFAN SSSR no. 24 81-84 '65.

MARITIME TERRITORY—PYROCHLORE

Pyrochlore from the Foghsk alkali intrusive in the Maritime Territory. V. A. Tolok, F. V. Barchenova, K. P. Tolok. Soob. DVFAN SSSR no. 21 41-44 '65.

MARITIME TERRITORY—ROCKS—ANALYSES

Alteration of enclosing rocks adjacent to ore bodies in one of the tin-sulfide deposits of the Maritime Territory. V. P. Shashkina. Soob. DVFAN SSSR no. 24 21-25 '65.

MARITIME TERRITORY—ROCKS, SEDIMENTARY—ANALYSES

Mineralogical study of Cenozoic sediments of the Maritime Territory. D. F. Korolev, L. A. Butsk. Soob. DVFAN SSSR no. 21 55-58 '65.

MARITIME TERRITORY—SAXIFRAGACEAE

Chrysosplenium L., a new species in the Maritime Territory. F. I. Nechaeva. Bot. zh. 52 no. 5 685 Mj '67.

MARITIME TERRITORY—VOCATIONAL EDUCATION

Concern for graduates. S. Luchin. Prof. i. tekhn. obz. 23 no. 10 11 O '66.

MARKET SURVEYS see subdivision under Minsk

MARKETING

Sales department of enterprises under the new conditions. Sh. Sverdlik. Mat. i. tekhn. snabzh. 2 no. 5 10-16 Mj '67. What the experience proves. V. Balagutov. I. N. N. cheski. Den. i. kart. 25 no. 5 9 15 Mj '67.

MARKETING—CONGRESSES

Conference on the problem of marketing. N. Tikhomirov, S. Petashkina. Nauch. dokl. v. s. shkol. ekon. nauk. 10 no. 5 11-17 '67.

MARKETING—COSTS

Reducing marketing costs in supply of materials and equipment. G. Zeleznova, Z. Stepanova. Mat. i. tekhn. snabzh. 2 no. 5 21-28 Mj '67.

MARKETING MANAGEMENT

Business ties of trade and industry. L. Fed'man. Sov. tolg. 40 no. 5 6-9 Mj '67.

MARKOV PROCESSES

Determination of the probability of nonachievement of fixed boundaries by a single-dimensional Markovian process. V. S. Zaitseva. Izv. AN SSSR Tekhn. kn. no. 2 66-71 Mj-Ap '67.

Distribution of the value of the first jump-over. G. I. Prizva, S. N. Simonova. Ukr. mat. zh. 19 no. 3 117-121 '67.

Forecast of tendencies of changes in meteorological values. G. I. Kuz'menko. Meteor. i. gidrol. no. 4 30-37 Ap '67.

Local theorems for Markov chains. Sh. K. Formanov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk. 11 no. 3 34-39 '67.

Pseudorandom numbers for simulating Markov chains. N. N. Chentsov. Zhur. vych. mat. i. mat. fiz. 7 no. 3 Mj-Je '67.

MARQUETRY

In family leisure hours. Sem'ia i. shkola 22 no. 5 52-64 Mj '67.

MARRIAGE LAW see subdivision under Uzbekistan

MARROW

Effect of thiodiethylenephosphoramide on marrow cell nuclei and gonads in mice. M. A. Arsen'eva and others. Genetika no. 5 11-121 Mj '67.

MARROW—BLOOD SUPPLY

Characteristics of peripheral marrow blood and hematopoietic organs in normal mice of the C3NA 1.K. Ademita. Soob. AN Gruz. SSR 46 no. 2 491-497 Mj '67.

MARROW—TRANSPLANTATION

Distribution of transplanted bone marrow cells and the development of foci of donor hematopoiesis in irradiated recipients. K. K. Zaitseva. Biol. i. eksp. biol. i. med. 63 no. 6 107-111 Je '67.

MARS (PLANET)—EXPLORATION

Automata seek life on Mars. T. Borisov. Kryl. rod. 17 no. 12 26-27 D '66.

- MARTI, JOSÉ, 1853-1895**
Some characteristics of the ideology of José Martí
V. I. Shishkova Vest. Mosk. univ. 8 Filos. 22 no. 1
20-31 Jan '67
- MARTOVA, EVGENIYA**
A trail in the sky. N. Golovanov. Kryl. i od. 17 no. 12-13
D '66.
- MARX, KARL, 1818-1883**
In Russia for the first time A. Uroeva V. mire knig 7
no. 2-3-7 '67
The initial socioeconomic formation in K. Marx's works
M. I. Vityuk Vop. filos. 21 no. 5 40-49 '67
Malyshev, A. I. ["The most terrible shell..."] "Samyi
strashnyy snarlad..." Moskva, Politizdat, 1967. 86 p.
A new version of the translation of Karl Marx's "Capital,"
V. P. Kosatkin. Uch. zap. UPIan. gos. ped. inst. 18 no. 2
65-105 '63.
150th anniversary of Karl Marx Agitation 35 no. 11,2
Je '67
- MASERS**
Masers and their application. M. F. Zhabotinskii, A. I.
Nanonenko, V. B. Sitenshneider Rad. tekhnika 22
no. 5-11-17 My '67.
- MASONRY**
Khomshtil, P. D. [Practice of progressive masonry
crews of building trusts] Opyt raboty peredovyykh
brigad kamenshchikov stroitel'nykh tsistov. Leningrad,
1967. 18 p. (Leningradskiy dom nauchno-tekhnicheskoy
propagandy. Prirodovstvennyy opyt Seriya Stroitel'noe
proizvodstvo)
- MASS SPECTROMETRY**
Behavior of bismuth and antimony sulfides and antimony
selenide in vacuum sublimation G. G. Gospodinov and
others Vest. Mosk. univ. 2 Khim. 22 no. 2-54-
57 M-Ap '67
Desorption of ions from an adsorbed on copper surface
layer by means of glow discharges. M. I. Ostrov, N. I.
Lomonosov Zhur. tekhn. fiz. 37 no. 6 1110-1147 Ju '67
Determination of the discrimination factor in isotopic
analysis of elements. A. N. Murin, I. K. Ievskiy Vest.
LGU 22 no. 4 114-136 '67.
Experimental study of dissociation of excited ions G. V.
Kuznetsov, V. I. Tal'paz. Kin. i kat. 8 no. 2 117-
150 M-Ap '67
Kinetics of fast high-temperature reactions studied by
means of a mass spectrometer Part 2: Thermal
decomposition of ethyl formate M. M. Gal'burd, I. B.
Moln Kin. i kat. 8 no. 2-261-264 M-Ap '67
Laboratory-type mass spectrometer. G. M. Miranashvili,
M. Sh. Kaviladze, G. M. Doladze. Trudy Tbil. GU no. 103;
85-89 '65
Mass spectral study of silicon hydrocarbons with two
shift on atoms separated by methylene groups. N. A.
Chernik and others. Zhur. ob. khim. 37 no. 4 917-921
Ap '67.
Mass spectrometric measurement of minor variations in
the δ^{32}/δ^{34} ratio in sulfides. G. M. Miranashvili, D. J.
Kikiani. Trudy Tbil. GU no. 103 97-104 '65.
Mass spectrometric study of the thermodynamic properties
of aluminum trifluoride. G. V. Lyukhin and others.
Izv. AN SSSR. Neorg. mat. 3 no. 5-873-874 My '67.
Methodology of determining rare gases using MI-1304
mass spectrometer. V. Z. Mitfanov, A. A. Makarov.
Trudy VNIING no. 3 334-344 '65
Unit for mass-spectrometric analysis of charged particles
having passed through thin films. F. M. Zaitsevskiy, V. N.
Iepushkinskiy. Trudy LPI no. 277, 131-134 '67
- MASS TRANSFER**
Calculating mass transfer on plate tower trays D. I.
Mamaunov and others. Arzib. neft. khoz. 46 no. 5;
43-46 My '67.
Coefficients of mass transfer in fluidized systems. M. I.
Fikhlid. Khim. i tekhn. topl. i masel. 12 no. 5 7-12
My '67
Cont. of some transfer processes. B. M. Rasopov.
Inzh. fiz. zhur. 12 no. 2 444-450 '67.
Effect of mixing on mass transfer in the chlorination of
the magnesium oxide suspension in a chloralide fusion
A. I. Pechenkov. Izv. vuz. uchob. zav. i khim. i khim.
tekhn. 10 no. 2 248-249 '67.
Effect of the geometric parameters of the apparatus and
the packing on mass transfer and hydrodynamics in
packed columns. I. V. Shmel'ev, K. N. Shabalin. Khim.
prom. 42 no. 9 54-57 S '66.
Effect of the intensity of mixing on mass transfer during
extraction in the system liquid - liquid G. K. Gonchar-
enko, A. P. Gollinskaia, Zhur. prikl. khim. 40 no. 3
594-599 Mr '67.
Electron transfer in molybdenum-base alloys. D. F.
Kalinovich, I. I. Kovenskii, M. D. Smolin. Izv. AN SSSR.
Met. no. 3-101-104 My-Je '67.
Gukhman, A. A. [Application of the theory of similitude
to the study of heat-mass exchange processes; transfer
processes in a moving medium] Primeneniye teorii podob-
nitykh k issledovaniyu protsessov teplo-massobmena; pro-
tsestry perenosu v dvizhushchetsia srede. Moskva, Vys-
shaya shkola, 1967. 302 p.
- Mass transfer in the liquid film during wave formation
L. P. Polupanov and others Teor. osnovy khim. tekhn.
1 no. 1 73-79 Ja-F '67
Mechanism of mass transfer during extraction in columns
with perforated plates. A. S. Zhuravskiy, B. I. Buzun-
skiy Zhur. prikl. khim. 40 no. 3 561-569 M '67.
Method of evaluating phase diffusion resistances for thin-
film mass transfer A. V. Shifanovskiy, V. R. Ruchun-
skiy Teor. osnovy khim. tekhn. 1 no. 1 11-115
Ja-F '67
Nonequilibrium mass transfer in the system "solid-
liquid" G. A. Akas'chuk, O. M. Shapovalov, G. I. Stavrov-
skiy Inzh. fiz. zhur. 12 no. 4 532-534 '67
Some problems of mass transfer in close binary systems.
S. L. Pustrovskiy. Astron. zhur. 44 no. 2 241-259 '67.
Statistical estimation of the influence of hydraulic param-
eters on mass transfer in the gaseous phase on bubble
trays G. P. Solomakhin, A. N. Plavovskiy Teor. osnovy
khim. tekhn. 1 no. 1 80-87 Ja-F '67
Study of the effect of mass transfer on heat transfer in the
case of sublimation in a refined gaseous medium for
Couette flow P. A. Novikov, B. M. Smol'skiy Inzh. fiz.
zhur. 12 no. 4 433-439 '67
Studying high-speed direct-flow rectification in tubular
columns V. A. Malashov, N. A. Malafayev, N. M. Zhavo-
romov Khim. prom. 42 no. 11 56-59 N '66.
Studying mass transfer in pipes with wetted walls in
counter-current gas. I. U. A. Adonov, V. M. Oleviskiy,
D. M. Popov. Khim. prom. 42 no. 11 59-64 N '66
- MATERIALS—RESEARCH**
Theory of the deformation and breaking of agricultural
machinery under impact load R. M. Mkhakhrabidze.
Trudy TSNIIMESHK 3 36-43 '64.
MATERIALS AT HIGH TEMPERATURES
High temperature oxidation of alloys WC - TaC - Co.
G. A. Meerzon, V. P. Lunke, V. S. Panov. Izv. AN SSSR.
Neorg. mat. 3 no. 5 887-890 My '67.
Marner, E. N., O. S. Gurvich, and L. P. Mal'tseva.
[High-temperature materials] Vysokotemperaturnyye
materialy. Moskva, Metallurgiya, 1967. 214 p.
- MATERIALS HANDLING—ABSTRACTS**
[Industrial transportation] Ref. zhur. Prom. transp.
nos. 5-6 My-Je '67.
MATERIALS HANDLING—MECHANIZATION
Efficient methods of handling refractory products. E. M.
Belen'tin and others. Trudy Inst. ogneup. no. 32 140-168
'62
MATERIALS MANAGEMENT
Method of working out a bonus system for the economic
use of materials. Ia. Iulynskiy. Ekon. Rad. Ukr. 10
no. 5 40-51 My '67.
Progressive technology is an important factor in economy.
L. Khochenko Met.-tekhn. snabzh. 2 no. 5 53-55 M.
'67.
MATERIALS MANAGEMENT—MATHEMATICAL MODELS
Economic-mathematical model of supply management
under the conditions of planned economy. V. Dem'ia-
nenko, V. Konoplyts'kiy. Ekon. Rad. Ukr. 10 no. 2 74-
79 '67
**MATERNAL AND INFANT WELFARE—LAW AND
LEGISLATION**
Protection of female labor A. I. Arkho Sov. profsoyuzy
23 no. 9-46-47 My '67
MATERNITY INSURANCE see Insurance, Maternity
MATHEMATICAL ANALYSIS
All-Union conference. Azerb. neft. khoz. 46 no. 4 49
Ap '67.
Alamsan, V. A., N. A. Vilenkin, and M. L. Smol'skiy.
[Special divisions of mathematical analysis; differential
geometry, Fourier series, and the equations of mathemat-
ical physics. Textbook for a course in mathematical
analysis] Spetsial'nye glavy matematicheskogo analiza,
differentsial'naya geometriya, rady Fur'e i uravneniya
matematicheskoy fiziki. Uchebnoe posobie po kursu
matematicheskogo analiza. Pod red. N. A. Vilenkina.
Moskva, Prosveshchenie, 1966. 165 p.
MATHEMATICAL ECONOMICS see Economics,
Mathematical
MATHEMATICAL LINGUISTICS
Method for studying the statistical structure of printed
information. N. V. Bokuchava, T. G. Gachechiladze.
Trudy Tbil. GU no. 103 173-181 '65.
Optimal code for the Georgian alphabet. T. P. Tshlosani.
Trudy Tbil. GU no. 103 181-183 '65
Remarks on a mathematical model for the formation of
syllables in the Georgian language. N. V. Bokuchava
and others. Trudy Tbil. GU no. 103 169-172 '65.
Simple examples of insoluble associative calculi. I. V.
Mal'tseva. Dokl. AN SSSR 173 no. 6 1264-1266 Ap
'67
Work in the field of structural and mathematical linguistics
in Moscow and Leningrad G. A. Klimov. Izv. AN SSSR.
Ser. fil. i jaz. 26 no. 1 92-95 Ja-F '67
- MATHEMATICAL MODELS**
Constructing mathematical models for calculating the
precision of technological processes. A. N. Gavrilov,
L. K. Sizenov. Stand. i nach. 31 no. 5-35-40 My '67.
MATHEMATICAL OPTIMIZATION
Extremum states and extremum control. G. P. Akilov,
L. V. Kantorovich, G. Sh. Rubinshteyn Vest. LGU 23
no. 7 30-37 Ap '67
Method for approximation in a space of specific functions
in solving "bottleneck" problems T. N. Petrovskaya.
Zhur. vych. mat. i mat. fiz. 7 no. 3 704-710 M-Ju
'67
On the quality of control in problems affecting the analytic
design of optimal regulators. V. N. Romanenko. Ukr.
mat. zhur. 10 no. 3 79-84 '67
Optimization of conditions in a closed cycle internal
system L. A. Chubarov Fiz.-tekhn. probl. razrab. p.
iskop. no. 1 101-109 Ja-F '67
Principle of averaging in the mathematical theory of
optimal processes. U. A. Akilov, A. N. Filatov. Dokl.
AN Uz SSR 23 no. 7 15-18 '66.
MATHEMATICAL PHYSICS
[Problems in computational mathematics] Voprosy vychi-
slitel'noi matematiki. Baku, Izd-vo Akad. nauk
Azerbaidzianskoi SSR, 1967. 216 p.
Role of mathematical methods in physics III. B. Rumet,
M. S. Ryukin Vop. filos. 21 no. 5 91-101 '67
MATHEMATICAL STATISTICS
Determining basic informational parameters characterizing
the work of flowing walls. V. A. Kucharskiy, G. I.
Kriazhev, R. A. Iuseev Ekon. neftehdob. prom. no. 2
15-21 '67
Minimal evaluation of unknown probability in polynomial
scheme. M. G. Tser-Mkrtchian, Meteor. i gidrol.
no. 4 20-29 Ap '67
Results of statistical analysis of parameters of preliminary
petroleum refining process V. M. Golitsyn and others
Nefteprom. delo no. 3 18-23 '67
MATHEMATICS
(see also subdivision under Leningrad)
Probability and demonstrability in applied mathematics.
I. I. Belchman, A. I. Myshkis, IA G. Panovko. Mikh.
i ver. teia no. 2 198-202 M-Ap '67
MATHEMATICS—ABSTRACTS
[Mathematics] Ref. zhur. Mat. no. 6 Je '67.
MATHEMATICS—CONGRESSES
Universitet druzhby narodov. [Second Scientific Con-
ference of the Faculty of Physics, Mathematics, and
Natural Sciences, May 24-30. Mathematics Section.
Abstracts of papers] Vtoraia nauchnaya konferentsiia
fakulteta fiziko-matematicheskikh i estestvennykh nauk,
24 maia-30 maia. Sektsiia matematiki. Tezisy dokladov
Moskva, 1966. 78 p.
MATHEMATICS—CURIOSA AND MISCELLANY
Perelman, I. A. I. [Entertaining algebra] Zanimatel'naya
algebra. Izd. II Pod red. i s dopolnitsami V. G. Bol-
tinskogo. Moskva, Nauka, 1967. 199 p.
MATHEMATICS—PROBLEMS, EXERCISES, ETC.
Extracurricular work in mathematics. G. I. Klompua,
and others Vech. sred. shkola 10 no. 3 71-76 My-Je
'67
MATHEMATICS—PROGRAMMED INSTRUCTION
Programmed instruction in mathematics classes. S. N.
Kozmirekaia, A. D. Medvedenko. Vech. sred. shkola
10 no. 3 66-60 My-Je '67
MATHEMATICS—STUDY AND TEACHING
Basic methodological ideas of the new curriculum in
mathematics for the 4th grades. O. S. Dubynskiy.
Rad. shk. 46 no. 5-87-72 My '67
"Method of solving a problem" as the content of instruction.
V. A. Lefevov, V. I. Dubovskaya. Nov. issl. v ped. nauk.
no. 4 112-119 '65.
Students' fieldwork without measuring devices in a mathe-
matics course for secondary schools. E. M. Gel'fan. Nov.
issl. v ped. nauk. no. 4 98-103 '65.
Students' independent work with textbooks in mathematical
exercises. Report I Psychological analysis of students'
thought processes during the solving of problems and
examples. I. A. I. Grudnov. Nov. issl. v ped. nauk. no. 4;
93-97 '65.
What is applied mathematics? A. D. Myshkis. Vest. vyz.
shkoly 25 no. 4 75-80 Ap '67.
MATRICES
Barbashov, B. M. [S-matrix in the two-dimensional model
of the Born-Infeld field] S-matritsa v dvukhmernoi
modell' polia Borna-Infel'da. [Dubna, 1967] 22 p.
Conversion of matrix of normal equations. N. N. Orel,
Inzh. good. no. 1 17-20 '66.
Distribution of eigenvalues in some ensembles of random
matrices. V. A. Matchenko, L. A. Pastur Mat. sbor
72 no. 4 507-538 Ap '67.

MECHANISMS—ELECTRIC DRIVING

Sokolov, M. M., V. I. Kluchev, and N. D. Kapuntsov. [Collection of schematics on control circuits for electrical drives of general-purpose industrial mechanisms]. *Sbornik skhem upravleniya elektropriivodimi obshchepromyshlennykh mekhanizmov*. Moskva, 1966. 23 p.

MECHANISMS—RELIABILITY

Sporysh, I. P. [Reliability of mechanisms of automatic control systems]. *Nadezhnost' mekhanizmov sistem avtomaticheskogo regulirovaniya*. Moskva, Mashinostroyeniye, 1967. 239 p.

A statistical method for solving problems of the prediction of mechanical and electrical elements. V. I. Seleznev. *Mashinostroyeniye* no. 3-9. 1967.

MECHANIZATION see subdivision under Kazakhstan

MEDICAL ASSISTANCE, AMERICAN see subdivision under Underdeveloped Areas

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL COLLEGES

Medical schools of higher education in the anniversary year. A. F. Serenko. *Vest. vyssh. shkoly* 25 no. 5, 77-81. 1967.

MEDICAL GEOGRAPHY

(see also subdivision under Kazakhstan)

Development of the doctrine of geography of human infectious diseases. A. L. Lysonko, V. K. Lisitskiy, Zhur, mikrobiol., epid. i immun. 44 no. 6, 3-9. 1967.

Respiration in different geographical varieties of *Francisella tularensis* in the presence of glycerol. I. V. Rothonova. *Zhur. mikrobiol., epid. i immun.* 41 no. 5, 21-25. 1967.

MEDICAL JOURNALISM see Journalism, Medical

MEDICAL JURISPRUDENCE

Activity of the All-Union Medical-Legal Scientific Society during the years of Soviet power. O. A. Panfilenko. *Sud.-med. ekspert.* 10 no. 2-3-10. 1967.

Comparative evaluation of the methods for isolating amniotic fluid from cadaveric material. E. M. Salomatin. *Sud.-med. ekspert.* 10 no. 2-3-10. 1967.

MEDICAL JURISPRUDENCE—CONGRESSES

Second Interprovincial Conference of Forensic Medicine Experts of the Urals, Siberia, and Far East, and Organization of the Scientific Research Institute of Forensic Medicine at the Ministry of Public Health of the U.S.S.R. B. S. Kasalyn, M. B. Lemkin. *Sud.-med. ekspert.* 10 no. 2-3-10. 1967.

MEDICAL JURISPRUDENCE—STUDY AND TEACHING

Moscow, *Pervyi meditsinskii institut. Kafedra sudobno-meditsinskoi*. [Methodological advice for practical work on forensic medicine in medical institutes]. *Metodicheskie ukazaniya k provedeniyu prakticheskikh zaniatii po sudobno-meditsinske v meditsinskikh institutakh*. Izd. 2, perer. i dop. Pod red. S. N. Agubova. Moskva, Gos. izd.-vo med. lit.-ry, 1963. 49 p.

MEDICAL LAWS AND LEGISLATION

(see also subdivision under Georgia)

Special procedure in the enforcement of compulsory medical treatment. S. Stepiichev, A. Khomovskii, *Sots. zakon*, no. 5, 35-39. 1967.

MEDICAL LITERATURE

First printed monument of Russian medical literature. N. A. Obonin. *Vop. nauki i tekhn. fiz. i tekhn.* 32 no. 2, 160-163. 1967.

MEDICAL MICROBIOLOGY

Isolation and composition of lysozyme substrate from bacterial cells. K. A. Kogrenanova. *Antibiotiki* 12 no. 5, 407-410. 1967.

Microbiological and chemotherapeutic study of the antibiotic mutabilisin. M. A. Potova and others. *Antibiotiki* 12 no. 5, 404-407. 1967.

Nucleotide composition of the DNA in bacteria and their sensitivity to gamma rays. I. I. Samoilenko, K. K. Ivanov. *Biol. eksp. biol. med.* 63 no. 6, 43-46. 1967.

MEDICAL MICROBIOLOGY—ABSTRACTS

Abstracts. T. P. Melnikova and others. *Zhur. mikrobiol., epid. i immun.* 44 no. 5, 442-444. 1967.

MEDICAL MICROBIOLOGY—CONGRESSES

Problems of epidemiology on the 9th International Congress on Microbiology. I. I. Rogozin, *Zhur. mikrobiol., epid. i immun.* 44 no. 4, 145-150. 1967.

MEDICAL MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Decomposition of cycloserine during chemical processing of the culture liquid. I. Cheslak, N. Bushko, Z. Makarovskaya. *Antibiotiki* 12 no. 5, 410-414. 1967.

Use of mathematical methods for the planning of experiments by determining the optimal composition of culture media. V. V. Biriulov and others. *Zhur. mikrobiol., epid. i immun.* 44 no. 5, 113-119. 1967.

MEDICAL MICROBIOLOGY—STUDY AND TEACHING see subdivision under Kiev

MEDICAL MICROBIOLOGY—TECHNIQUE

Combined use of microrefractometric and cultural methods for the analysis of the composition of typhoid fever bacilli. B. U. Shuster, *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 28-33. 1967.

Detection of antibodies against gram-negative bacteria in the sera of nonimmunized rabbits by means of agglutination and immunofluorescence reactions. I. I. Lifanova, *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 123-127. 1967.

Photometric analysis of bacterial suspensions. Report no. 5: New possibilities of microbiological photometry, affiliated with the application of the light diffusion theory. V. G. Putukhov, B. A. Pikhman, *Zhur. mikrobiol., epid. i immun.* 44 no. 4, 103-109. 1967.

Photometric analysis of bacterial suspensions. Report no. 6: Determination of the infection level in bacteria by means of light diffusion. B. A. Pikhman, V. G. Putukhov. *Zhur. mikrobiol., epid. i immun.* 41 no. 5, 123-128. 1967.

Study of the antigenic structure of filtrates of the soil strains of *Clostridium tetani* by means of diffuse precipitation in agar. I. U. B. Volgin, T. I. Selezneva, *Zhur. mikrobiol., epid. i immun.* 44 no. 4, 118-121. 1967.

MEDICAL PARASITOLOGY—BIBLIOGRAPHY see Bibliography—Medical parasitology

MEDICAL PARASITOLOGY—CONGRESSES

(see also subdivision under Ukraine)

Scientific and practical conference on control of parasitic diseases in Poltava. V. P. Melnichenko. *Med. paraz. i parazit. bol.* 36 no. 2, 252. 1967.

MEDICAL PERSONNEL

Medical services, facts and figures. An article dedicated to the Day of Medical Personnel. B. Borisov, M. Mirzaku. *Voprosy* 15 no. 10, 26-29. 1967.

MEDICAL PERSONNEL—CONGRESSES

4th Plenum of the Central Committee of the Trade Union of Medical Workers. M. E. Mirzoeva. *Azerb. med. zhur.* 44 no. 1, 97-98. 1967.

MEDICAL RECORDS

Planning and recording of prophylactic vaccinations. V. L. Shumachenko, V. F. Polshchuk. *Zhur. mikrobiol., epid. i immun.* 44 no. 4, 122-124. 1967.

MEDICAL SCREENING

Incidence and prevalence of ascariasis among the population during the period of large-scale antiascaric therapy and prophylactic measures. V. I. A. Kichina. *Med. paraz. i parazit. bol.* 36 no. 2, 175-181. 1967.

MEDICAL SOCIETIES see subdivision under Simbirsk Government

MEDICAL STATISTICS

Use of the method of differences in comparing the activity of biological preparations: tests of active and passive immunity in animals. V. V. Biriulov, L. A. Levina, *Zhur. mikrobiol., epid. i immun.* 44 no. 6, 110-115. 1967.

MEDICAL TESTS

Test of the physiological properties of the osseous tissue of the proximal end of the femur in elderly and senile persons. I. E. P. Podolskiy, *Fiziol. zhur. [Ukr.]* 13 no. 3, 352-375. 1967.

MEDICINE

(see also subdivision under Armenia; Australia; New Zealand; Ukraine)

Ob'edineniye nauchnaia konferentsiya meditsinskogo i nauchno-issledovatel'skikh institutov g. Rostov-na-Donu, 3d, 1966. [Reports of the 3d United Scientific Conference of the Medical and Scientific Research Institutes of the City of Rostov-on-Don]. *Doklady. Rostov-na-Donu*, 1966. 364 p.

MEDICINE—ABSTRACTS

Abstracts. I. V. Anpilov and others. *Sev. med.* 30 no. 5, 144-149. 1967.

[Medical abstracts]. *Med. ref. zhur.* Sect. 1 vol. II no. 6. 1967. Sect. 2 vol. II no. 6. 1967. Sect. 3 vol. II no. 6. 1967. Sect. 4 vol. II no. 6. 1967. Sect. 5 vol. II no. 6. 1967. Sect. 6 vol. II no. 6. 1967. Sect. 7 vol. II no. 6. 1967. Sect. 8 vol. II no. 6. 1967. Sect. 9 vol. II no. 6. 1967. Sect. 10 vol. II no. 6. 1967. Sect. 11 vol. II no. 6. 1967. Sect. 12 vol. II no. 6. 1967.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—FORMULAE, RECEIPTS, PRESCRIPTIONS

Compatibility and determination of dimethylamine in medicinal prescriptions. V. A. Golovkin. *Farmatsiya* 16 no. 2, 71-74. 1967.

MEDICINE—PERIODICALS

Tenth anniversary of the periodical "Patologicheskain fiziologiya i eksperimental'naya terapiya." V. B. Korner. *Pat. fiziol. i eksp. terap.* 11 no. 1, 88-91. 1967.

MEDICINE—PHILOSOPHY

Some remarks apropos of the methodological basis of the concept of medical norms. A. A. L. 1967. *Vest. LGU* 22 no. 5, 130-132. 1967.

MEDICINE—STUDY AND TEACHING

Medical schools of higher education in the anniversary year. A. F. Serenko. *Vest. vyssh. shkoly* 25 no. 5, 17-81. 1967.

MEDICINE, MAGIC, MYSTIC, AND SPAGYRIC

Bul', P. I. [Medicine and religion on "mystical teachings"]. *Meditsina i religiya o "ekstremnykh i okultnykh"*. Leningrad, 1967. 31 p.

MEDICINE, MILITARY

Dignified preparations for the 50th anniversary of the power. S. I. Pozdnakov, P. I. Lysakov. *Voprosy* 15 no. 5, 8-10. 1967.

An important stimulus to new achievement. I. U. Niman. *Ty i snab. Sov. Vost. Sib. i Dal'n. Vost.* 1967. 3-7. 1967.

MEDICINE, MILITARY—CONGRESSES

15th Scientific Conference of Physicians of the Caucasus Military District. I. M. Redkin. *Voprosy* 15 no. 5, 94-96. 1967.

MEDICINE, MILITARY—TECHNOLOGICAL INNOVATIONS

Always researching. I. Degtyarev. *Vest. vyssh. shkoly* 25 no. 11, 80-81. 1967.

MEDICINE, NAVAL

Experience in organizing work in the medical staff of a shore base of submarines. P. I. Lysakov. *Med. zhur.* no. 5, 76. 1967.

Adaptation to hot climate in Subtropical. G. N. Novozhilov. *Voprosy* 15 no. 5, 57-60. 1967.

MEDICINE, RURAL see subdivision under Public Health

MEDIEVAL ARCHITECTURE see Architecture, Medieval

MEDITERRANEAN SEA—OCEANOGRAPHY see Oceanography

Some results of the expedition on the sea. A. A. L. 1967. "Akademik S. Vavilov" in the Red and Mediterranean Seas. V. I. Volkov. *Okeanologiya* 1 no. 2, 1-14. 1967.

MEGRELIYA see Mingrelia

MEIERKHOLD, VSEVOLOD EMIL'EVICH, 1914-1966

[Meetings with Meierkhold; a collection of reminiscences]. *Vstrechi s Meierkholdom, sbornik vospominaniy*. Moskva, Vsesos. tsentr ob-vo, 1967. 610 p.

MELONS see subdivision under Tajikistan

MELTING

Effect of liquid lead-antimony melts on the properties of deformed steel. S. M. Babinov, A. L. Kozlov. *Fiz.-khim. mekhan.* 3 no. 2, 442-443. 1967.

Kinetics of the contact melting process in plastic conditions. D. E. Temkin. *Izv. AN SSSR, Mekh.* 219-224. 1967.

Mechanism underlying the melting of crystalline bodies by an electron beam. I. V. Zuev and others. *Dokl. AN SSSR* 174 no. 1, 76-79. 1967.

Study of the specific volume and compressibility of two-component systems with an invariant point. G. I. Batalin, G. I. Chalikov. *Izv. AN SSSR, Mekh.* 219-224. 1967.

Study on the kinetics of the dissolution of metals in liquid melts by the method of the rotating disc (equilibrium lead system). *Fiz.-khim. mekhan.* 3 no. 2, 444-445. 1967.

MEMBRANES (TECHNOLOGY)

Deformation characteristics of flat rubber membranes. M. V. Vakhova, G. M. Burenova, A. I. Pikhman. *Izv. vuzov, Tekhn. nauch. zap.* 28 no. 5, 29-31. 1967.

MEMORY

Age-conditioned and individual differences in the retention of levels of memorization in preschool age children during the performance of various types of tasks. Report 1. Quantitative analysis of the productivity of memorization under the conditions of various types of activities. Z. M. Istomina. *Nov. issled. v psikhologii* 194-199. 1965.

Correlation between the speed and retention of memorization. Report 4. Age-conditioned differences in the speed of memorization. *Nov. issled. v psikhologii* 194-199. 1965.

Correlation between the speed and retention of memorization. Report 5. Age-conditioned differences in the correlation of quantitative indices of the speed of memorization of various types of material by children. V. I. Samokhvalova. *Nov. issled. v psikhologii* 194-199. 1965.

Problems of memory. P. I. Zinchenko, S. P. Babinov, P. B. Nevel'skiy. *Vop. psikhol.* 13 no. 2, 111-112. 1967.

Smirnov, A. A., ed. [Age-related and individual differences of memory]. *Vozrastnye i individualnye razlichia pamiati*. Moskva, Prosveshchenie, 1967. 24 p.

MENNONITES

Izest'iamov, V. F. [Mennonites] Mennonity. Moskva, Izdatel'stvo, 1957. 222 p. (Biblioteka "Sovremennye religii")

MENSURATION

Measurement, mensuration and reliability. Stand. i kach. 31 no. 5 19-20 My '67.

Errors. IU V. [Theory of measurement errors] Teoriya oshibok izmerenii. Izd 2., pereizd. Moskva, Veda, 1967. 174 p.

MENTAL DEFICIENCY

Accelerated method for the diagnosis of phenylpyruvic ketonuria. A. M. Shaposhnikov. Voprosy med. khim. 31 no. 3 325-327 My-Je '67.

MENTAL SUGGESTION

Materials on the neurodynamics of the perception of inadequate suggestions under hypnosis. M. I. Lenevich. Voprosy psikh. 13 no. 2 135-142 My-Apr '67.

As a mechanism of suggestion. I. P. Bhalava. Voprosy psikh. 13 no. 2 42-50 My-Apr '67.

MENTHANONE

Chromatographic analysis of mixtures of stereoisomeric menthols and menthones. I. P. Godunov, E. I. Khabunovskii, A. A. Balandina. Izv. AN SSSR, Ser. khim. no. 5 1013-1015 My '67.

MENTHOL

Chromatographic analysis of mixtures of stereoisomeric menthols and menthones. I. P. Godunov, E. I. Khabunovskii, A. A. Balandina. Izv. AN SSSR, Ser. khim. no. 5 1013-1015 My '67.

MERCAPTO GROUP—THERAPEUTIC USE

Use of sulfurhydryl groups in the prevention and elimination of the toxic effect of atropine on the heart in dogs. N. V. Klykova. Bul. eksp. biol. i med. 61 no. 6 15-18 Fe '67.

MERCHANT MARINE

(see also subdivision under France, Soviet Far East) Capital construction as a source of the reproduction of basic assets. S. Sakharov. Mor. flot 27 no. 4 18-20 Ap '67.

Material and technical supply under new conditions.

A. Klement'ev. Mor. flot 27 no. 4 13-14 Ap '67.

Marine V. G. Bakaeov on the development of the Soviet merchant marine. Nov. vrem. 25 no. 25-22-23 Je '67.

Merchant marine: the most important resolutions of the party and the government during June 1941-May 1945. Mor. flot 27 no. 4 8 Ap '67.

55 let merchant marine: the most important resolutions of the party and the government during the period 1945-1950. Mor. flot 27 no. 5 6 My '67.

MERCHANT MARINE—DEFENSE MEASURES

Options of the naval command in NATO countries on the protection of marine communications. E. S. Morozin. Voen. med. zh. 50 no. 3 73-82 Mi '67.

MERCHANT MARINE—FINANCE

Finance of marine transportation. Mor. flot 27 no. 4 21 Fe '67.

Freight in marine transportation and its distribution. A. Chilikin. Mor. flot 27 no. 3 19-20 My '67.

MERCHANT MARINE—MANAGEMENT

Improving the organization of work and production. I. Samokhotkin. Mor. flot 27 no. 5 14-16 My '67.

Ways of improving the ship's planning. O. Kondashikhin. Mor. flot 27 no. 4 15 Ap '67.

MERCHANT MARINE—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Soviet Far East) From exhibition into production. V. Sergeev. Mor. flot 27 no. 5 13 My '67.

Technical and economic information. Mor. flot 27 no. 4 30-31 Ap '67.

Technical and economic information. Mor. flot 27 no. 5 34-35 My '67.

MERCHANT SEAMEN

(see also subdivision under Estonia)

Outspring of the kalurs. M. P. Shchikhov. Mor. flot 27 no. 5 13 My '67.

MERCHANT SEAMEN—EDUCATION AND TRAINING

Friendship of schools with their affiliated enterprises. A. Danchenko. Plof. i lekht. obr. 24 no. 3 3-5 Mi '67.

MERCURY

Concentration of excited atoms in the low-pressure mercury discharge. IU. M. Kagan, B. Kasimov. Opt. i spekt. 22 no. 4 532-538 Ap '67.

Study of the effect of some hydroperoxides on the acceleration of mercury emulsification in anhydrous lactone. A. A. Komtssai chuk. Farmatsia 16 no. 2 24-27 My-Apr '67.

MERCURY—ADSORPTIVE PROPERTIES

Modeling of the electric double layer structure on galium and some adsorptive properties of mercury in the presence of thiourea. A. M. Morozov, N. B. Grigoriev, I. A. Bogotkova. Elektrokhimia 3 no. 5 585-590 My '67.

MERCURY—METALLURGY

Mercury cementation by antimony from alkali sulfide solutions. I. R. Polyanskiy, I. N. Syrov. Izv. Inst. met. i obog. AN Kazakh SSR 21 56-59 '67.

MERCURY COMPOUNDS

Reactions of substitution of mercury atom combined with saturated carbon atom by halogen. Report No. 9. Effect of solvent on the reaction rate of benzyl mercury chloride with iodine. I. P. Beletskaya, T. P. Fetisova, O. A. Reutov. Izv. AN SSSR, Ser. khim. no. 5 990-996 My '67.

MERCURY ORES

Investigating mercury vaporization process during ore roasting. O. N. Shchubani, E. I. Barinov, E. N. Malashenko. Dop. AN URSS, Ser. 1 20 no. 5 469-472 My '67.

MERCURY ORGANIC COMPOUNDS see Organic-mercury compounds

MERCURY SALTS

Catalytic activity of mercury salts in some electrophilic reactions of diketene. S. I. Zaytsev and others. Izv. AN SSSR, Ser. khim. no. 4 850-863 Ap '67.

Reaction of ketene with mercury salts. S. I. Zhdanov, A. A. Pozdeeva, Zh. ob. khim. 37 no. 4 934-936 Ap '67.

MERETSKOV, KIRILL AFAN'EVICH, 1897-

The pages of a great life. I. Egorov. Voen. - ist. zh. 9 no. 5 36-14 My '67.

MERISTEM

Change in the cytophysiological state of the terminal meristem of barley shoots in relation to the transition to reproductive stage. Z. P. Rostovtseva. Fiziol. rast. 11 no. 3 186-193 My-Je '67.

MERMAIDS

Festive games in honor of mermaids and Smargl-Pereplut, a Slavic god. B. A. Rysakov. Sov. etnol. no. 2 91-116 '67.

MEROMORPHIC FUNCTIONS see Functions, Meromorphic

MEROMYZA see subdivision under North America

MESENTERY—INNERVATION

Evoked potentials in the posterior ventrolateral thalamic nucleus following stimulation of mesenteric nerves and gastrointestinal receptors. S. S. Muskhelishvili. Fiziol. zh. 53 no. 3 196-205 My '67.

MESHCHANINOV, IVAN IVANOVICH, 1883-1967

Academician I. I. Meshchaninov; obituary. Vest. AN SSSR 37 no. 3 213 Mi '67.

Academician Ivan Ivanovich Meshchaninov 1883-1967. Nauch. dokl. vyssh. shkoly, fiz. nauk 10 no. 3 113 '67.

In memoir of Academician I. I. Meshchaninov. V. M. Zhuravskii. Voprosy i. no. 3 18-27 My-Je '67.

MESHCHERA LOWLAND—SANDY SOILS

Oxidation-reduction conditions of light mechanical composition soils in Meshchera Lowland. I. S. Kaurichev, V. S. Shishova. Pochvovedenie no. 5 66-79 My '67.

MESOCAINE

Use of trimecaine in the practice of a medical officer. G. M. Iakovlev, M. M. Diakonov, F. K. Kozhevnikova. Voen.-med. zh. no. 5 71-75 My '67.

MESODIALYTIC see subdivision under Siberia

MESONS

[Angular correlation of gamma quanta produced by the stopping of negative pions in hydrogen] Uglyova korrelyatsiya γ -kvantov, obrazuyushchikhsya pri oslanovke π^- -mezonov v vodorode. [By] I. M. Vasil'evskii i dr. [Dubna, 1967] 68 p.

Behavior of muonium in a scintillating plastic. G. G. Masishcheva and others. Pis'ma v red. Zh. eksp. i teoret. fiz. 5 no. 7 227-230 Ap '67.

Determining the $\pi\pi$ -interaction cross section from the reaction of pion production by pion on hydrogen with small momenta transmitted to the nucleon. A. V. Aic'ev and others. Izd. fiz. 5 no. 5 1060-1070 My '67.

Kuleshov, S. P. [The problem of the meson mass spectrum in a quark model] K voprosu o spektre mass mezonov v modeli kvarkov. [Dubna, 1967] 7 p.

Liboshits, V. L., E. O. Okonov, and M. I. Podgoretskii. [Some correlation properties of $K^0\bar{K}^0$ pairs] O nekotorykh korrelyatsionnykh svoystvakh par $K^0\bar{K}^0$. [Dubna, 1967] 7 p.

Moiseev, A. M., and V. A. Larba. [Some methodological problems in studying $K^0\bar{K}^0 \rightarrow K^0\bar{K}^0$ reactions at 3.5 GeV/c in the CERN 81 cm. liquid-hydrogen bubble chamber] Nekotorye metodicheskie voprosy issledovaniya reaktsii $K^0\bar{K}^0 \rightarrow K^0\bar{K}^0$ pri impul'se 3.5 GeV/c v 81 SM zhidkodorodnoi puzyr'kovoi kamere TsERN'a. [Dubna, 1967] 35 p.

Possible use of the nuclear reaction of charge-exchange of π -mesons in chemical investigations. V. I. Petukhin, L. I. Ponomarev, IU D Prokoshkin. Khim. vys. energ. 1 no. 3 283-284 My-Je '67.

Production of π -mesons at the threshold in neutrino reactions. A. I. Vainshteyn, V. V. Sokolov, I. B. Khrapovich. Izd. fiz. 5 no. 5 1088-1091 My '67.

Studying the $\pi^+ p \rightarrow \pi^+ \pi^+ n$ and $\pi^+ p \rightarrow 2\pi^+ n$ reactions involving 1 GeV π^+ -mesons. I. B. Khrapovich. Izd. fiz. 5 no. 5 1051-1058 My '67.

Volod'ko, A. G., and others. [Note on $(\Lambda \eta)^*$ -resonance] Zamechania o $(\Lambda \eta)^*$ -rezonanse. [Dubna, 1967] 22 p.

MESONS—CAPTURE

[Capture of negative pions by carbon nuclei, and the tetra-neutron] Zakhvat otritsatel'nykh π -mezonov yadrami ugleroda i tetra-neutron [By] IU A. Baturov i dr. [Dubna, 1967] 7 p.

Studying the mechanism of radiative capture of π^- -mesons by complex nuclei. V. I. Petukhin, V. S. Pogorelov, IU D Prokoshkin. Izd. fiz. 5 no. 5 1015-1053 My '67.

MESONS—DECAY

π -Decay and the algebra of currents. A. I. Vainshteyn and others. Pis'ma v red. Zh. eksp. i teoret. fiz. 5 no. 5 170-173 My '67.

MESONS—SCATTERING

Dao-vong-Duc, Nguyen-van-Hieu, and A. N. Tavkhelidze. [Cut-offs in the complex π -plane and the behavior of cross sections of inelastic processes] Raviyezy v kompleksnoi π -ploskosti i povedeniye sechenii neuprugikh protsessov. [Dubna, 1967] 8 p.

Higher partial waves in low-energy $\pi\pi$ -scattering. I. I. Orlov, IU V. Pufilov. Izd. fiz. 5 no. 5 1102-1109 My '67.

Relations between the amplitudes of photoproduction and pion-nucleon scattering. V. S. Guzenko. Sob. AN Gruz. SSR 46 no. 1 61-65 Ap '67.

METABOLISM

External metabolic regulation in the system periphytic microbial community - dissolved organic matter in seawater. K. M. Khailov, IU A. Gorbunov. Dokl. AN SSSR 173 no. 6 1131-1133 Ap '67.

METABOLISM, DISORDERS OF

Changes in the mineral and protein metabolism in calcified tissues in rats following continuous administration of hydrocortisone, DCA and ACTH. Z. V. Zakharova. Pat. fiziol. i eksp. ter. 11 no. 1 55-58 Ja-F '67.

Effect of adrenal hormones, starvation and alloxan diabetes on the content of free fatty acids in the plasma of rat embryos and newborn. W. Haude. Pat. fiziol. i eksp. ter. 11 no. 1 48-51 Ja-F '67.

METAL CASTINGS—CLEANING

Mechanization and automation of trimming and cleaning operations. E. G. Chugunnyi. Lit. proizv. no. 4 41 My '67.

METAL CASTINGS—COSTS

Improving the quality and reducing the cost of casting. S. M. Shevtsov, A. I. Smirnov, A. A. Sotnikov. Lit. proizv. no. 5 14-16 My '67.

METAL CASTINGS—FINISHING

Vibrating equipment for the removal of fins and flash from aluminum alloy castings. N. P. Vlasenko. Lit. proizv. no. 4 12 Ap '67.

METAL CRYSTALS—GROWTH

Kinetics of the growth of Widmanstätten crystals of cementite in steel. B. A. Leonov, M. P. Matveeva, T. I. Shlagina. Izv. AN SSSR, Met. no. 3 122-127 My-Je '67.

Preparing single crystals of high-melting metals by the Czochralsky method. N. G. Sushkin, O. Z. Budatikh, V. E. Efimov. Izv. AN SSSR, Met. no. 3 94-100 My-Je '67.

METAL CUTTING

Malikov, F. P. [Advanced machining methods for all machine tool operators] Peredovye metody obrabotki vseh slanochnikam. Voronezh, Tsentr. al'no-Chernozemnoe knizhnoe izd-vo, 1966. 137 p.

Studying machinability of bronze-graphite. A. I. A. Amosov, M. M. Mal, V. I. Kononenko. Pat. osh. met. 7 no. 5 98-101 My '67.

Technical education; 8th grades. Shkola i proizv. 11 no. 4 32-33 Ap '67.

Using fine cutting methods in finish machining. Sh. A. Krasil'shchikov. Mashinostroitel' no. 5 13-15 My '67.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL CUTTING TOOLS
 1. *Effect of the structure of the chip on the cutting process*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.
 2. *Properties of films deposited on previously deformed backing*. K. A. Kurodov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 768-770 My '67.
 3. *Effect of a barium oxide on a molybdenum backing*. L. A. Kirov, V. A. Lashin, Trudy LPI no. 277, 11 My '67.
 4. *Subharmonic oscillations in thin Permalloy films*. S. K. Demidov and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 147-149 My '67.

METAL CUTTING TOOLS—RELIABILITY
 1. *Reliability of cutting tools*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL CUTTING TOOLS—STANDARDS
 1. *Standards for cutting tools*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL CUTTING TOOLS—TECHNOLOGY
 1. *Technology of cutting tools*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL POWDERS
 1. *Properties of metal powders*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL POWDERS—OPTICAL PROPERTIES
 1. *Optical properties of metal powders*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL POWDERS—STRUCTURE
 1. *Structure of metal powders*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL POWDERS—TECHNOLOGY
 1. *Technology of metal powders*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL POWDERS—PROPERTIES
 1. *Properties of metal powders*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL POWDERS—OPTICAL PROPERTIES
 1. *Optical properties of metal powders*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL REINFORCED PLASTICS
 1. *Properties of metal reinforced plastics*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL SPRAYING
 1. *Properties of metal spraying*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METAL SPRAYING
 1. *Properties of metal spraying*. V. I. Kuznetsov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

METALLIC FILMS
 1. *Diffraction of light on a magnetic film*. M. L. Dukhanina, L. M. Kikhin, V. A. Fabrikov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 783-784 My '67.

METALLIC FILMS
 1. *Diffraction of light particles through films of heavy elements*. I. D. Tserlin, Trudy LPI no. 277, 62-69 My '67.

METALLIC FILMS
 1. *Structure of a thin Permalloy film subjected to an high-frequency magnetic field*. V. A. Kostikov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 750-755 My '67.

METALLIC FILMS
 1. *Effect of a permanent magnetic field on the noises of a thin Permalloy film*. G. P. Zhigal'skiy, Vest. Mosk. un. Ser. 3, Fiz.-astron. 22 no. 1, 117-119 My '67.

METALLIC FILMS
 1. *Magnetic reversal of "supercritical" Permalloy films*. I. S. Palatnik and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 764-767 My '67.

METALLIC FILMS
 1. *Measuring the binding energy in two-layer ferromagnetic films*. R. K. Golovnyy and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 770-782 My '67.

METALLIC FILMS
 1. *Formation of lithium and sodium ions into gold*. F. M. Zerkov, V. P. Il'inskiy, Trudy LPI no. 277, 115-120 My '67.

Problem of the origin of stress in magnetic films. K. A. Kurodov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 771-773 My '67.

Properties of films deposited on previously deformed backing. K. A. Kurodov, Izv. AN SSSR, Ser. fiz. 31 no. 5, 768-770 My '67.

Effect of a barium oxide on a molybdenum backing. L. A. Kirov, V. A. Lashin, Trudy LPI no. 277, 11 My '67.

Subharmonic oscillations in thin Permalloy films. S. K. Demidov and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 147-149 My '67.

METALLIC FILMS—MAGNETIC PROPERTIES
 1. *Corrective force of thin magnetic films*. G. P. Zharikov, L. I. Oshin, Izv. AN SSSR, Ser. fiz. 31 no. 5, 756-763 My '67.

Size effect of the crystal grain on the anisotropy and magnetic properties of thin Permalloy films. I. A. S. Shur and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 729-734 My '67.

Some magnetic properties of the epitaxial films of iron, nickel, cobalt, and of their alloys. L. V. Kiranskii and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 716-728 My '67.

Stability of the domain structure of thin magnetic films. N. S. Ivanov, V. A. Smagin, Izv. AN SSSR, Ser. fiz. 31 no. 5, 739-742 My '67.

Temperature dependence of the magnetic properties of thin Permalloy-manganese films with exchange anisotropy. A. A. Glazov and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 735-738 My '67.

Use of the method of differential magnetic susceptibility in determining magnetic characteristics of thin ferromagnetic films. G. A. Vedushkin and others, Izv. AN SSSR, Ser. fiz. 31 no. 5, 743-746 My '67.

METALLIC FILMS—OPTICAL PROPERTIES
 1. *Studying the effect of proton bombardment on the optical constants of thin metallic layers*. V. V. Chekutenko and others, Opt. spekt. 22 no. 4, 626-630 Ap '67.

METALLIC FILMS—TESTING
 1. *Determining the porosity of nickel coatings on aluminum alloys*. I. A. Khrantsov, L. K. Vasil'eva, Zav. lab. 33 no. 3, 320 My '67.

METALLIC ORGANIC COMPOUNDS see Organometallic compounds

METALLIC OXIDES
 1. *Comparative study of coal formation on neodymium oxide and titanium dioxide (anitase) in the course of dehydrogenation and dehydration of alcohols*. T. N. Il'ina, A. A. Tolstopyatova, A. A. Balandin, Vest. Mosk. un. Ser. 2, Khim. 22 no. 2, 80-84 My '67.

Density of B_2O_3 solutions and the determination of solubility in the system $MgO - B_2O_3 - H_2O$ at high temperatures. A. P. Gilgou'ev, A. V. Nikolaev, Dokl. AN SSSR 171 no. 1, 93-95 My '67.

Mechanism underlying the effect of additions on the thermal decomposition of ammonium perchlorate. A. V. Boldyrev, B. N. Bezrukov, V. V. Boldyrev, Kinet. kat. 8 no. 2, 299-303 My '67.

Transport theory in NiO and Fe_2O_3 -type semiconductors. I. P. Ginzburg, Izv. vuz. ucheb. zav. fiz. 10 no. 4, 65-74 My '67.

METALLIC OXIDES, EFFECT OF RADIATION ON
 1. *Chemisorption of hydrogen and oxygen on zinc and aluminum oxides under the effect of γ -radiation*. A. A. Gerasimov, G. M. Zhurav, Kinet. kat. 8 no. 2, 460-463 My '67.

METALLOGRAPHY
 1. *Baughing effect in the passing from rolling to bending and its aftereffect*. V. F. Sukhovaev and others, Izv. vuz. ucheb. zav. fiz. 10 no. 4, 15-19 My '67.

Recrystallization of metals and alloys. G. A. Gorelik, S. S. [Recrystallization of metals and alloys] Rekrystallizatsiya metallov i splovov, Moskva, Metallurgiya, 1967. 402 p.

METALLURGICAL CHEMISTRY see Chemistry, Metallurgical

METALLURGICAL ANALYSIS
 1. *Technical analysis of metals and alloys*. Kartoteka XXXIV. [Technical analysis in metallurgy] Tekhnicheskii analiz v metallurgii, Izd. 2, perer. 1966. 37 p.

METALLURGICAL FURNACES
 1. *Conference on problems of effective use of fuel in heating furnaces*. N. A. Tshin. Gaz. prom. 12 no. 3, 57-58 My '67.

Study of continuous furnaces as the object of regulation and working out the automatic control system of the thermal conditions of the furnace with a correction for productivity or rolling speed changes. Z. E. Kravchuk and others, Z. tekhn. prog. 7 no. 2, 1-4 F '67.

METALLURGICAL FURNACES—MAINTENANCE AND REPAIR
 1. *Industrializing the repair of metallurgical and other furnaces*. N. G. Vesclov, R. V. Tikhonov, V. I. Morozov, Ogneupory 32 no. 1, 55-58 My '67.

METALLURGICAL PLANTS
 1. *Automation of the lubrication of casting molds in steel pouring*. V. M. Zinchenko, AN. Tsvetmet. Mekh. i avtom. 1 no. 2, 15-17 My '67.

Contactless level angle-to-code converter. V. I. Soltyk, G. M. Trenchet, Mekh. i avtom. 1 no. 2, 15-17 My '67.

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION
 1. *Technical progress at "Iuzhuralnikol" Combino*. V. I. Murashov, Tsvetmet. 40 no. 5, 11-20 My '67.

METALLURGICAL PLANTS—LIGHTING
 1. *Lighting systems of the Magnitogorsk Metallurgical Combine*. S. A. Sheidin, Svetotekhnika 13 no. 6, 14-15 Je '67.

METALLURGY—ABSTRACTS
 1. [Metallurgy] Ref. zhur. Met., no. 6 Je '67.

METALLURGY—CONGRESSES
 1. *Fourth plenary of the Central Administration of the Scientific Technological Society of Ferrous Metallurgy*. Koks i kum. 40 no. 5, 11-13 Je '67.

METALS
 1. (see also subdivision under Ukraine)
 2. *Korovskii, Sh. Ia. [Flying metals] Letatsheble metalloy. Moskva, Mashinostroyeniye, 1967. 252 p.*

METALS—ANALYSIS
 1. *Concentration of microgram quantities of gallium, lead, gold, titanium, and tin by organic coprecipitation*. G. S. Lisetskaya, S. V. Flegel, B. K. Zolotarev, Zav. lab. 33 no. 3, 282-285 My '67.

Separation of chromium, molybdenum and tungsten in solutions of hydrofluoric acid by the use of ion exchange resins. V. B. Pukholkov, V. I. Pankov, Izv. vuz. ucheb. zav. fiz. 10 no. 4, 11-12 My '67.

METALS—FATIGUE
 1. *Balandin, B. F. [Thermal fatigue of metals in the manufacture of marine power machinery] Termicheskiy ustalost' metallov v sudovom energomashinostroyeni. Leningrad, Sudostroenie, 1967. 271 p.*

Effect of partial coatings on the fatigue resistance of joints. V. I. Kazantsev, P. M. Pavlov, Vest. mosk. un. Ser. 2, 47 no. 5, 22-25 My '67.

High-speed determination of the fatigue limit of steel. V. T. Tishchenko, Trudy mek. 3 no. 5, 50-54 My '67.

Quick-action fatigue tests by the "forcing" method. V. I. Kordonskiy, Zav. lab. 33 no. 3, 321-331 My '67.

Statistical processing of the results of fatigue tests on bounded bases. V. Ia. Sankh, Zav. lab. 33 no. 3, 331-333 My '67.

METALS—FINISHING
 1. *Oxygen-flux cutting of rimmed from large castings*. O. S. Sparto, G. K. Sukhtin, Lit. prom. 10 no. 1, 15-16 Ap '67.

Scouring metallic articles with triethanolamine. A. M. Habin, Blud. tekhn.-ekon. inform. Gos. nauch. inst. nauch. i tekhn. inform. 20 no. 5, 9-10 My '67.

METALS—HEAT TREATMENT
 1. *Instruction to punched card catalogs of abstracts in metallurgy*. Instruktsiya k referativnym perokardotam po metallurgii, Moskva.

Kartoteka XXXIII. [Technology of heat and chemical heat treatment] Tekhnologiya termicheskoi i khimiko-termicheskoi obrabotki. Ed. 3, perer. 1966. 30 p.

Kartoteka XXXIV. [Technical analysis in metallurgy] Tekhnicheskii analiz v metallurgii. Izd. 2, perer. 1966. 37 p.

METALS—HYDROGEN CONTENT
 1. *Galaktionova, N. A. [Hydrogen in metals] Vodorod v metalakh. Izd. 2, perer. i dop. Moskva, Metallurgiya, 1967. 302 p.*

Influence of induced radioactivity on the dissolution and hydrogen absorption of alloys in nitric acid solutions. V. I. Spitsyn, N. Ia. Laptev, S. A. Bakhin, Dokl. AN SSSR 174 no. 1, 143-148 My '67.

METALS—NITROGEN CONTENT
 1. *Solubility and heat of solution of nitrogen in gamma-Fe*. I. N. Milinskaya, I. A. Tomilin, Dokl. AN SSSR 174 no. 1, 135-138 My '67.

METALS—PLASTIC PROPERTIES
 1. *Criteria for plastic properties of metals at high temperatures*. G. I. Lepin, L. M. Topolova, Metallurg. i term. obr. met. no. 4, 55-56 Ap '67.

Determining the constants of metal plasticity by the method of double impression of the ball. V. V. Vinnik, Izv. Novosib. prav. NTORIE no. 2, 3-12 Je '62.

METALS—TESTING

- Analysis of the results of various methods for determining the depth of intercrystalline corrosion. G. K. Reiter, L. S. Shtatman, I. A. Patsova, *Zav. lab.* 33 no. 114-115 '67.
- Method for determining the fatigue strength and damping capacity of specimens subjected to torsion in various media. P. A. Acherenko, *Fiz. khim. mekh. mat.* 3 no. 2:317-240 '67.
- Dimensionless coordinates for plotting compression curves. P. F. Bondarev, *Sbui. trud. Novosib. pravit. NTORIE* no. 26-32 '62.
- Dimensionless coordinates for plotting static bending curves. P. F. Bondarev, *Sbui. trud. Novosib. pravit. NTORIE* no. 2:33-38 '62.
- Effect of the form of main stress lines on the resistance of a metal to plastic deformation and fracture. I. U. I. Vign, L. V. Gichnev, *Trudy LPI* no. 278 66-60 '67.
- Estimating structural variations in surface layers of a material subjected to cyclic loading. K. V. Matkevich, *Dokl. Akad. Nauk SSSR* no. 2:55-60 '67.
- Effect of fatigue testing of light alloys. M. N. Stepanov, *Izv. Akad. Nauk, Zav. lab.* 33 no. 3:331-335 '67.

METALS—TRANSPORTATION see subdivision under Neftovka (Ukraine)

METALS, EFFECT OF RADIATION ON

- Analysis of physical processes in an impulsive discharge under the effect of concentrated laser radiation on metals. L. I. Gritshchik, L. A. Minko, *Zhurn. tekhn. fiz.* 37 no. 6:1169-1172 Je '67.
- Some radiochemical effects in the interaction between a laser electromagnetic radiation and metals. V. B. Braginskii, I. I. Minakova, V. N. Rudenko, *Zhurn. tekhn. fiz.* 37 no. 6:1045-1051 Je '67.

METALS, EFFECT OF TEMPERATURE ON

- Fracture of tin, aluminum, copper, iron, Ti-6Al-4V, VK6 aluminum-copper at variable temperatures. A. M. Zuev, A. V. Zuev, *Izv. vuzov. fiz. i tekhn. nauk* no. 4:110-112 '67.

METALS, RARE AND MINOR

- (see also subdivision under Khingan Mountains, Transbaikalia)
- Behavior of rare earth elements in recent sediments. A. I. Vinn, I. U. V. Vinn, I. Kh. Dovtshin, *Lit. i pol. issled.* no. 2:117-122 Mi-Apr '67.
- Complex compounds of some transition and rare elements. Kompleksnye soedineniya nektorykh perokhodnykh i redkikh elementov. Tbilisi, Melanleia, 1966, 113 p.
- New reagents for the flotation of complex rare-metal ores. I. N. Plakidin, K. F. Bayashova, V. I. Solnyshkin, *Fiz. khim. prikl. i razrab. pol. iskop.* no. 1:11-18 Ja-F '67.
- Some illustrations of effect of ionization potential of rare earths on their behavior in pegmatite process. N. A. Solovov, *Vest. LGU* 22 no. 6:71-80 Mi '67.

METALS AT HIGH TEMPERATURES

- Criteria for plastic properties of metals at high temperatures. G. F. Iepin, L. M. Topunova, *Metallurg. i term. obr. met.* no. 1:55-56 Ap '67.
- Properties of mottled cast iron at high temperatures. I. S. Nishko, N. I. Sander, *Lit. i pol. issled.* no. 5:20-29 Mi '67.
- Stress-strain resistance of platinum, palladium and their alloys at 1100°C-1400°C temperature. L. I. Ryklin, V. M. Kuz'min, A. E. Petukov, *Metallurg. i term. obr. met.* no. 4:58-59 Ap '67.
- Trends in the development of the manufacture of high-temperature microscopes for the study of the structures of materials in the temperature range of 2000° to 3000°C. M. G. Izlinskii and others, *Opl. mekh. prom.* 34 no. 5:32-40 Mi '67.

METALS AT LOW TEMPERATURES

- Engineering properties of some steels at low temperatures. S. N. Vladimirovskaya and others, *Vest. mashinost.* 47 no. 5:67-69 My '67.
- Mechanical properties of low carbon nickel steels at -253°C temperature. D. V. Lebedev, A. M. Fatkin, *Metallurg. i term. obr. met.* no. 4:56-57 Ap '67.

METALS IN THE BODY

- Correlation of the content of iron, manganese and copper in the blood serum in healthy persons. I. V. Zhermakova, *Blud. kisp. biol. i med.* 61 no. 6:17-48 Je '67.

METALWORK

- (see also subdivision under Ural Mountain region)
- Abramov, P. R., and V. G. Zaitsev. [Study of metal household articles and electric household appliances]. *Tovaro-vedenie metallorazrabotnykh i elektrolitovykh tovarov. Izd. 3., dop. i perer.* Moskva, Ekonomika, 1967, 327 p.
- Metal identification with a simultaneously rotating rounded punch in presence of friction. N. I. Volodin, *Kuz.-zhurn. proizv.* 9 no. 4:10-13 Ap '67.
- Pledges of workers of the All-Union Administration of Procurement of Metal Products. *Metal. tekhn. anal. i tekhn. 2* no. 5:37-38 My '67.
- Technical education: 5th grades. *Shkola i proizv.* 11 no. 4:29-30 Ap '67.

METALWORK—ACCOUNTING see subdivision under Odessa

METALWORK—STUDY AND TEACHING

- Practical training program in metalwork: 9th-10th grades. *Shkola i proizv.* 11 no. 4:15-16 Ap '67.
- Studying the development of the professional skills of 5th-8th grade students in the manual processing of metals. Report 3. Determining the amount of efforts and muscular energy. N. A. Cherenko, *Nov. issl. v ped. nauk.* no. 1:160-165 '65.

METALWORKING LUBRICANTS

- Automatic search of the composition of lubricating and cooling fluids. S. N. Postnikov, S. V. Teplov, *Mashinostroi.* no. 5:11-13 My '67.
- Beetleicide additive to lubricating and cooling fluids. A. V. Treshchinskii, V. M. Nikolaeva, *Mashinostroi.* no. 5:30 My '67.
- Eliminating emulsion pickup on the surface of cold-rolled sheets. I. A. Ksenzuk and others, *Met. i gor. prom.* no. 2:87-89 Mi-Apr '67.

METALWORKING MACHINERY

- Automatic dies for the manufacture of rings from white. A. M. Fainshtein, S. I. A. Koshinskii, *Kuz.-zhurn. proizv.* 9 no. 5:46-47 Mi '67.

METAMORPHISM (GEOLOGY)

- (see also subdivision under Kazakhstan; Southern Bug Valley)
- Nephelization in near-contact zones of the Barpaia alkali massif (northern part of the Lake Baikal region). A. M. Potin, P. A. Nakhayeva, *Izv. AN SSSR Ser. geol.* no. 5:71-76 My '67.
- Relationship between regional and contact metamorphism. A. A. Kadenskii, M. I. Kadenskaya, *Uch. zap. Ped. inst. Gerts.* 290:62-68 '66.
- Stages of the metamorphism of Alchian carbonate rocks and their connection with metamorphic facies of enclosing rocks. P. P. Leonova, *Uch. zap. Ped. inst. Gerts.* 290:101-116 '66.

METASOMATISM

- Role of the textural and structural factor in establishing the balance of matter of metasomatic mineral formation. V. G. Bogolepov, *Zap. Vses. min. ob-va* 96 no. 1:12-21 '67.

METASOMATISM—CONGRESSES

- Second Conference on Contact Zone Metasomatism. V. A. Chetepinov, *Zap. Vses. min. ob-va* 96 no. 2:230-236 238 '67.

METASOMATITE see subdivision under Ural Mountains

METASTASIS

- Rare case of metastasis of cancer of the thyroid gland into the soft tissues of the mandible. S. O. Nikogorova, A. M. Igatkin, *Zhur. eksp. i klin. med.* 7 no. 2:91-94 '67.
- Role of adhesions in cancer metastasizing from organs of the abdominal cavity. R. A. Troitskii, *Vest. AMN SSSR* 22 no. 5:55-60 '67.

METASOMATITE

- Petrological and mineralogical characteristics of carbonate-silicophosphate type of rare earth metasomatites. V. S. Demchenko, *Soob. DVI AN SSSR* no. 24:15-19 '65.

METEORITES

- (see also subdivision under Budufan region, China Province; Kargapol'ye District, Kurgan Province, Patom Plateau; Yel'movka, Kazakhstan; Zaysan, Lake)
- Do meteorite streams and artificial satellites influence weather? I. S. Filimonenko, B. L. Dzerdzhevskii, *Prirada* no. 5:95-98 My '67.
- Geocentric speed of meteorite bodies and the origin of micrometeorites. V. V. Radzlovskii, *Meteoritika* no. 27:178-183 '66.
- Meteorites in the ocean. G. I. Pokrovskii, *Prirada* no. 4:124 Ap '67.
- Mineralogical and roentgenometric study of some minerals in the Tatarskaya and Stamenichskaya chondrites. I. A. Iudin, V. D. Kulominskii, L. V. Mikhayeva, *Meteoritika* no. 27:63-74 '66.
- Organic compounds of carbonaceous chondrites. Report No. 2. G. P. Vdovkin, *Meteoritika* no. 27:51-52 '66.
- Plan of a chemical analysis of stony and iron meteorites. M. I. D'akovskaya, V. I. A. Kharitonova, *Meteoritika* no. 27:69-86 '66.
- Same data on microchemical studies of troilite and pyrrhotite in meteorites. S. I. Smyslovskii, *Meteoritika* no. 27:53-57 '66.
- Thermoluminescence of some stony meteorites. L. N. Ovchinnikov, V. G. Maksimov, *Meteoritika* no. 27:58-62 '66.

METEOROLOGICAL INSTRUMENTS

- Measuring slant visibility by equiangular method. V. A. Markelov, *Meteor. i gidrol.* no. 4:63-67 Ap '67.
- Possibility of determining location of distant seat of origin of thunderstorms from one point. B. K. Lukov, *Meteor. i gidrol.* no. 1:102-105 Ap '67.

- Turbulent tangential force and dissipation of energy of turbulence in lower two-meter atmospheric layer. N. M. Galadzhil, N. M. Trudy UkrNIGMI no. 62:129-146 '66.

METEOROLOGICAL OPTICS—CONGRESSES

- Sixth Interdepartmental Conference on Actinometry and Atmospheric Optics (Taitu, June 13-16, 1966). I. J. Nikitskiy, I. I. Nikitskiy, *Opt. i spekt.* 22 no. 4:682-683 Ap '67.

METEOROLOGICAL RESEARCH

- Some results of the fulfillment of the plan of research works for 1966 and prospects for research in the new five-year plan. K. F. Petrov, *Meteor. i gidrol.* no. 6:3-12 Je '67.

METEOROLOGICAL SATELLITES

- Meteorological observations from artificial satellites. I. P. Vetrov, *Meteor. i gidrol.* no. 4:3-12 Ap '67.
- Use of satellite information on outgoing radiation for purposes of the determination of the zones of precipitation. A. Z. Chukitka, T. A. Iakovleva, *Meteor. i gidrol.* no. 6:13-20 Je '67.

METEOROLOGY

- Forces of deformation and centers of atmospheric action at high latitudes of the earth. I. V. Maksimov, *Probl. Arkt. i Antarkt.* no. 25:51-65 '67.

- Minimax evaluation of unknown probability in polynomial scheme. M. G. Tsvetkovskii, *Meteor. i gidrol.* no. 1:20-29 Ap '67.

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—OBSERVATIONS

- Analysis of WMO plan of expanding existing aerological network from viewpoint of necessity of numerical forecasting. I. U. M. Liberman, *Meteor. i gidrol.* no. 4:13-19 Ap '67.

- Deflection of measured gradients of temperature, humidity, and wind velocity at 1-m. height from those calculated according to logarithmic law under non-equilibrium conditions. A. A. Levenko, *Trudy UkrNIGMI* no. 62:56-61 '66.

- Derivation of equation of heat balance of underlying surface based on observation data at meteorological stations. A. R. Konstantinov and others, *Trudy UkrNIGMI* no. 62:3-19 '66.

- Processing methods for determination of constituents of water balance based on observation data on meteorological stations. N. I. Asakova, A. R. Konstantinov, *Trudy UkrNIGMI* no. 62:20-36 '66.

METEOROLOGY, AGRICULTURAL—STUDY AND TEACHING

- Follow-up of unpublished letters. *Vest. vuz. shkoly* 26 no. 5:24 My '67.

METEOROLOGY, MARITIME

- (see also subdivision under Volgograd Reservoir)

- Kan, S. I. [People who look ahead]. *Vnesedmetriavshchie, Leningrad, Gidrometeoizdat*, 1967, 140 p.

METEOROLOGY IN AERONAUTICS

- Weather indicators. E. A. Stepanov, *Vest. protivovozd. obor.* no. 12:63-61 D '66.

METEORS

- Explosions of meteor bodies moving in the atmosphere. G. O. Ivakovich, *Meteoritika* no. 27:103-108 '66.
- On the minimum stellar magnitude of meteor registered at a wavelength of 1.1 m. L. N. Rukhlov, *Bull. Inst. astrofiz. AN, Tadzh. SSR* no. 45:12-16 '66.
- Theory and spectral study of meteorite-forming fireballs. V. A. Bronshten, *Meteoritika* no. 27:97-102 '66.

METHACRYLIC ACID

- Dielectric relaxation in copolymers of methyl methacrylate with methyl acrylate. G. P. Mikhailov and others, *Vysokom. soed. Ser. A* 9 no. 4:770-783 Ap '67.
- Effect of glass fibers on the temperature of the transition of polystyrene and polymethyl methacrylate. V. P. Solomko, L. S. Semko, *Khim. prom. Ukr.* no. 5:11-14 S-O '66.
- Kinetics of copolymerization of butyl methacrylate, glycidyl methacrylate, and methacrylic acid. M. F. Sorokin, M. M. Babkina, *Vysokom. soed. Ser. A* 9 no. 4:904-909 Ap '67.
- Nature of the destruction of polystyrene and polymethyl methacrylate films filled with glass fibers. V. P. Solomko, L. S. Semko, *Khim. prom. Ukr.* no. 3:9-12 My-Je '67.
- Reactions of phenyldichlorophosphine with methacrylate and propionic acids. V. K. Khairullin, V. N. Eliseenkova, A. N. Pudovik, *Zhur. ob. khim.* 37 no. 4:871-875 Ap '67.
- Structure-forming process in nonequilibrium solutions of polyelectrolytes. V. P. Barabonov, B. L. Bogdanov, *Vysokom. soed. Ser. A* 9 no. 4:741-748 Ap '67.
- Synthesis of methacrylic anhydride from methacrylate and its acid chloride in aqueous-organic medium. R. A. Barabashina, O. M. Sleptsova, *Zhur. prikl. khim.* 40 no. 3:696 Mr '67.

2401

MINE VENTILATION—MODELS

- Graphic modeling of ventilation processes in gas-
accumulated workings P. I. Mustel' Zap. LGI 50
no. 131-38 '65
Results of aerodynamic modeling of diagonal ventilation
systems, N. S. Fridov, Shor, nauch. trud KGRi no. 16
'65-14 '63
Ventilation of blind rooms by combined vertical currents
I. I. Medvedev, A. P. Krasnoshtein, Izv. vyz. ucheb. zav.
s. 2-3 no. 9 no. 171-70 '66

MINE VENTILATION—SAFETY MEASURES

- Effect of ventilation air ducts from the accumulation
of electrostatic charges, P. S. Zilchskii, Bezop.
trud. prom. 9 no. 1239-11 '66

MINERAL INDUSTRIES

- Beloyev, N. A. [Economics of mineral raw materials;
power fuel raw materials, ores of ferrous and addition
alloy metals] Ekonomika mineral'nogo syr'ya, toplivo-
energeticheskoe syr'ye, rudy chernykh i legkikh metallov
metallurg. Moskva, Nedra, 1967 387 p., maps (insert)

MINERAL OILS—TESTING

- Kozhevnikova, F. A. [Testing of oils in chemical labo-
ratories] Ispytaniya masel v khimicheskikh laborato-
riakh. Moskva, Energiya, 1967 126 p.

MINERAL WATERS, SULFUROUS—THERAPEUTIC USE

- Effect of sulfur baths on some functions of the liver.
B. D. Borovskaya, Vop. kur., fizioter. i lech. fiz. kul't.
32 no. 2471-472. Mar-Apr '67
Effectiveness of treating chronic diseases of the biliary
tract and liver with sulfate baths, I. A. Gubergit
Vop. kur., fizioter. i lech. fiz. kul't. 32 no. 2472-174
Mar-Apr '67

MINERALOGICAL CHEMISTRY

- Origins of chemical impurities in minerals, D. P.
Grigoriev, Vest. LGU 22 no. 631-12. Mar '67.

MINERALOGICAL SOCIETIES

- Centred and fiftieth anniversary (1817-1967) of the
Mineralogical Society, S. P. Solov'ev, Zap. Vses. min.
ob-va 96 no. 2, 109-116 '67.

MINERALOGY

- (see also subdivision under Dzhugzhur Range)
Some conditions governing crystallization of fluorophlo-
gopite from gas phase, I. N. Anikin, A. P. Porotnikov,
Zap. Vses. min. ob-va 96 no. 2, 197-202 '67.
Using ultrasonics for the isolation of finely dispersed
minerals, K. S. Akupova, M. P. Koshitsaeva, Razved.
i obsh. nedr. 33 no. 5, 17-21. May '67

MINERALOGY—CONGRESSES

- Fifth Congress of International Mineralogical Association
held in England, 1966, D. P. Grigoriev, V. B. Tatarskii,
A. F. Frank-Kamenetskii, Zap. Vses. min. ob-va 96
no. 2, 223-227 '67.
Information on session of Commission on New Minerals
and Mineral Names of International Mineralogical
Association held in England, 1966, V. A. Frank-Kame-
netskii, Zap. Vses. min. ob-va 96 no. 2, 228-230 '67.

MINERALOGY, DETERMINATIVE

- Diagnostics of small grains of minerals, satellites of
diamond, A. A. Turskii, Zap. Vses. min. ob-va 96
no. 2, 215-218 '67.
[Methods of the chemical analysis and chemical composi-
tion of minerals] Metody khimicheskogo analiza i khimi-
cheskii sostav mineralov. Moskva, Nauka, 1967. 105 p.
Results of studying certain strength characteristics of
rocks of Volyn' deposit, N. I. Mel'nikov and others,
Fiz.-tekhn. probl. razrab. pol. iskop. no. 1, 18-23. Jan-Feb
'67

MINERALOGY, DETERMINATIVE—TABLES, ETC.

- Koleno, L. I. [Atlas of spectral lines for the analysis
of cores and minerals using a diffraction spectrograph]
Atlas spektral'nykh lini dlia analiza rud i mineralov na
difraktsionnom spektrografe. Moskva, Nauka, 1967.
123 p.

MINERALS

- (see also subdivision under Altai Mountains; Maritime
Territory; Pechora Valley; Vychegda Valley)

- "Bisborit," a new mineral, E. I. Nefedov, Dokl. AN
SSSR 174 no. 1, 189-192. May '67.

- Lakovich, V. V. [Accessory minerals in granitoids of
the Soviet Union] Aktsessornye mineraly v granitoidakh
Sovetskogo Soyuza. Moskva, Nauka, 1967. 448 p.

- New minerals, Part 10, E. M. Bonshchik-Kupletskina,
Zap. Vses. min. ob-va 96 no. 1, 67-81 '67.

- The organic world as an indicator of paleogeography and
conditions governing the formation of minerals of sedi-
mentary origin, V. G. Kamyshova-Elshteynskaia, Uch.
zap. Ped. inst. Geit. 280-30-42 '66.

- "Pozitakt," a new mineral, A. I. Komkov, E. I. Nefedov,
Zap. Vses. min. ob-va 96 no. 1, 58-62 '67.

- Study of the reaction of sodium olivine with some boron
silicates and gas net by means of infrared spectroscopy
E. V. Rakhina, P. M. Solozhenko, Dokl. AN Tadzh. SSR
10 no. 4, 32-34 '67.

- Wetting of some minerals and oxides by fused chlorides
B. A. Lashin, L. V. Zverev, V. N. Gavrindashvili, Soob.
AN Gruz. SSR 46 no. 2, 358-363. May '67

MINERALS—EFFECT ON PLANTS see Plants, Effect of minerals on

MINERALS—OPTICAL PROPERTIES

- Correlation between principal indices of hornblende and
their effect on optical properties of minerals, E. P.
Kalinina, Zap. Vses. min. ob-va 96 no. 2, 170-182 '67.
Optical characteristic of some cosmic and earth surfaces,
M. P. Volovych, N. I. A. Avdeev, Astron. zhur. 41
no. 2, 131-133 '67.

MINERALS IN FOOD—BIBLIOGRAPHY see Bibliography— Minerals in food

MINERALS IN PLANTS

- Effect of sylvinate on trace elements content in sugar
beet plants, A. M. Loika, Vestsi AN BSSR Ser. Biol.
nav. no. 2, 9-12 '67.

MINERALS IN SOIL see subdivision under Gologhaya Steppe

MINERS

- Prudinskii, A. M. [Labor law which regulate the dismis-
sal of the employees of the mineral industry] Trudovoe
zakondatel'stvo ob uvolnenii s predpriatii gornoi pro-
myshlennosti Moskva, Urd. M-ra, 1966 78 p.

MINERS—DISEASES AND HYGIENE

- Primary cancer of the lungs in workers of iron ore mines.
M. A. Gucvich, Sov. med. 30 no. 5, 71-75. May '67

MINES, SUBMARINE

- Zaleskii, N. A. ["Krab," the first submarine mine layer
in the world] "Krab" - pervyi v mire podvodnyi zagradi-
tel'. Leningrad, Sudostroenie, 1967. 141 p.

MINES AND MINERAL RESOURCES see subdivision under Khuzistan, Ukraine, Western

MINGRELIA—GASTROPODA, FOSSIL

- Some Georgian Naassidae of Megastylina, Soob. AN Gruz.
SSR 16 no. 2, 391-398. May '67.

MINING ENGINEERING

- Airflow in face areas of large cross section blind work-
ings, I. B. Mostepanov, N. A. Akovlev, Zap. LGI
50 no. 1, 29-32 '65

- Criteria for the estimate of blasting properties of
explosives for mining operations, G. P. Demiduk,
Fiz.-tekhn. probl. razrab. pol. iskop. no. 1, 41-52. Jan-Feb
'67

- Dependence of the yield of large lumps in blasting on the
specific consumption of explosives, V. K. Rubtsov,
Fiz.-tekhn. probl. razrab. pol. iskop. no. 1, 53-59. Jan-Feb
'67

- Experience in mine surveying measurements and calcula-
tions in block caving, P. I. Kuchashov, Shor, nauch.
trud KGRi no. 16, 173-185 '63.

- Fotlov, M. M., A. D. Larikov, and L. I. Tolpezhnikov,
[Principles of automating mining enterprises] Osnovy
avtomatizatsii gornykh predpriatii. Pod. red. V. S.
Tulin. Moskva, Vysshaya shkola, 1967. 432 p.

- Mechanism of the action of an explosion in "light face"
blasting, E. I. Markenzon, Fiz.-tekhn. probl. razrab.
pol. iskop. no. 1, 60-63. Jan-Feb '67.

- Permanent dimensions of interchamber pillars, and ways
of reducing ore losses in pillars, P. I. A. Galushko and
others, Izv. vyz. ucheb. zav. gor. zhur. 10 no. 3, 35-
40 '67

- Prospects of using mining systems with rock breaking
in light faces, N. I. Diadchikov, N. A. Solomatin, Shor,
nauch. trud KGRi no. 16, 81-84 '63.

- Ways of increasing the speed of ore drawing from caved
blocks, G. M. Malakhov, P. D. Petrenko, Shor, nauch.
trud KGRi no. 16, 3-13 '63.

MINING ENGINEERING—ABSTRACTS

- [Mining] Ref. zhur. Gor. delo no. 6. Feb '67, Avtorskii
ukazatel' za 1966 g.

MINING ENGINEERING—MODELS

- Determining parameters of block boundary cutoff in
spontaneous sublevel caving, M. V. Guminiskii, Shor,
nauch. trud KGRi no. 16, 20-32 '63

MINING ENGINEERING—STUDY AND TEACHING

- Here they train qualified miners, N. G. Inda, Prof.-
tekhn. obr. 24 no. 3, 5. Mar '67.

- Options of the miners: handicaps to the professional
education of miners, B. Stailov, V. Raude, V. Gorbakov,
Prof.-tekhn. obr. 24 no. 3, 28-29. Mar '67.

MINING GEOLOGY

- (see also subdivision under Altyn-Topkan region,
Tajikistan; Ural Mountain region)

- Criteria of breakability of fissured rocks and method of
determining it, O. S. Mechkov, V. F. Makarcovich, M. G.
Sedlov, Fiz.-tekhn. probl. razrab. pol. iskop. no. 1, 118-
123. Jan-Feb '67.

- Determining the granulometric composition of the ground
mass for the solution of certain technological problems,
A. A. Lebedkova, Z. G. Kafumov, Izv. AN Uz. SSR. Ser.
tekhn. nauk 11 no. 3, 56-59 '67.

- Engineering and geological zoning for evaluating stability
of rocks in open-pit mine fields, on the example of
Tikhvin Mining Industry District, V. N. Novozhilov,
Zap. LGI 52 no. 1, 56-58 '66

- Improving stopeing technology at the Khov Mine, V. F.
Iavnenko and others, Shor, nauch. trud KGRi no. 16,
17-26 '63

- Isolating strength differences during mining of carbonate
deposits, V. G. Bazilev, V. N. Shchepko, Nauch. trud,
Mosk. inst. radioelek. i gor. elektromekh. no. 31, 19-53
'65

- Methods of determining number and depth of boreholes
for preliminary grouting of fissured rocks from working
faces of vertical shafts, B. D. Polovov, Izv. vyz. ucheb.
zav. gor. zhur. 9 no. 1, 38-41 '66

- Methods of determining optimum parameters of coal saw-
ing machines, V. A. Goshkov and others, Nauch.
trud PerminIUD no. 7, 43-52 '64.

- Opening of the Yakovleva deposit in km st. Magnetic
Anomaly, V. F. Lavronko, I. U. A. Ivanov, I. S. Muntian,
Shor, nauch. trud KGRi no. 16, 33-17 '63

- Optimum depth of external trenches in combined opening,
S. S. Reznichenko, Nauch. trud Mosk. inst. radioelek. i
gor. elektromekh. no. 51, 54-60 '65

- Selecting the system of working two deposits in one open-
pit mine field, K. A. Kumachev, Zap. LGI 52 no. 1, 12-
16 '66

- Some observations on the behavior of collapse-resistant
roofs in longwalls of flat seams, V. V. Gubanov,
Ugol' 12 no. 5, 37-41. May '67

- Three-dimensional solution of the problem of determining
parameters of benches in fissured rocks, V. N. Popov,
A. P. Li, I. I. Popov, Izv. vyz. ucheb. zav. gor. zhur. 10
no. 3, 32-31 '67

MINING INDUSTRY—FINANCE

- Economic evaluation of scientific-research work in
mining industry, A. S. Minevich, I. T. Khvosov, Ugol'
12 no. 5, 17-21. May '67

MINING INDUSTRY—LABOR PRODUCTIVITY

- Dynamic model of monthly planning related to production
program of mining enterprises, I. V. Zhelev and
others, Izv. vyz. ucheb. zav. gor. zhur. 10 no. 3, 48-
56 '67.

MINING MACHINERY

- (see also subdivision under Dzhezhkang region,
Kazakhstan; Kazakhstan)

- Basic scientific and technical problems in open-pit mining
of mineral deposits by inclined layers, M. G. Novozhilov,
B. N. Tartakovskii, A. I. A. Manolov, Izv. vyz. ucheb. zav.,
gor. zhur. 9 no. 1, 28-33 '66.

- Promising type of working equipment for underground
excavators, S. S. Mavrin, I. U. F. Georgiev, I. V. Ilpatov,
Fiz.-tekhn. probl. razrab. pol. iskop. no. 1, 67-71. Jan-Feb
'67

MINING MACHINERY—EXHIBITIONS

- Swedish exhibition at Kirov Rog, A. G. Itsenko, Met. i
gor. iud. prom. no. 2, 94-95. Mar-Apr '67.

MINKOWSKI, ALEKSANDER, 1833-

- Things which we cannot do without, G. Meslaninka,
V. mire knig no. 3, 34 '67.

MINSK—A UTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

- Tactics of searches, P. Smurov, NFO 9 no. 4, 13-14
Apr '67

MINSK—BEARINGS (MACHINERY)—TECHNOLOGICAL INNOVATIONS

- First results of the work of inventors under new condi-
tions, E. I. Shevchenko, Vop. izobr. no. 12, 33-34. D
'66

MINSK—CITY PLANNING

- [Minsk, postwar reconstruction and development] Minsk;
poslevoenniy opyt rekonstruktsii i razvitiia. Moskva,
Straitzdat, 1966. 178 p.

MINSK—CLOCKMAKING AND WATCHMAKING—AC- COUNTING

- Accounting for the work of workshops operating on a
business accounting basis, I. Belobzhetskii, Bukh.
uchet 26 no. 5, 7-12. May '67.

MINSK—COLD STORAGE WAREHOUSES

- Automation of the Minsk Cold Storage Warehouse No. 2,
S. L. Geller and others, Khol. tekhn. 44 no. 5, 31-32
May '67

MINSK—ELECTRONIC DATA PROCESSING—WAGES

- Using the "Minsk-22" electronic computer in accounting
for labor and wages, F. I. Brudno, G. N. Likhacheva,
Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i
tekhn. inform. 20 no. 5, 40-42. May '67.

MINSK—INDUSTRIAL MANAGEMENT

- Technical progress and quality problems, A. F. Bogdanov,
Prom. Bel. 10 no. 4, 55-56. Apr '67

MINSK—MARKET SURVEYS

- To forecast means to know, N. Astashkin, Sov. torg. 40
no. 5, 12-14. May '67.

- MINSK—MOTORCYCLE INDUSTRY—MANAGEMENT**
Planning the operations of basic shops. S. P. Podolskiy
Prom. Bel. 10 no. 6 23-21 Je '67
- MINSK—PORCELAIN**
Line for shaping china dishware. G. S. Kukovich. Prom.
Bel. 10 no. 6 39 Je '67.
- MINSK—POWER PRESSES—MAINTENANCE AND REPAIR**
New method of repairing power press equipment at the
Minsk Tractor Plant. V. T. Bulalov, V. S. Mikhchenko
Izv. Vsesoyuzn. nauch. i issled. inst. 9 no. 1 3 of cover Ap '67
- MINSK—REINDEER—FOOD**
Effect of feeding reindeer lichen on the productivity of
miners. V. P. Bukharov, Trudy Nauch.-issled. inst.
Khim. i tekhn. 13:202-206 '66.
- MINSK—TECHNICAL EDUCATION**
According to a renewed program. A. F. Belitskiy. Prom.
Bel. 10 no. 1 56-57 Ap '67
- MINSK—TRACTOR INDUSTRY—STANDARDS**
Standardization at the Minsk Tractor Plant. V. N. Korolev.
Prom. Bel. 10 no. 1 52-51 Ap '67.
- MINSK PROVINCE—FARM MECHANIZATION**
Machinery should be used for many years to come. V.
Makhovskiy. Agitator no. 24-25-26 D '61.
- MINSK REGION—PARASITES—RODENTS**
Study of ectoparasites of rodents in the Minsk region.
I. P. Arzamasov. Vestnik AN BSSR, Ser. biol. nauch., no. 2
Dl '67.
- MINT (BOTANY)** see subdivision under Plovdiv Province
- MITES**
(see also subdivision under Azerbaijan)
Mites of the family Pterolichidae Kants, 1960
(Parasitiformes, Gamasoidea) from the Soviet Union
A. D. Petrova. Biol. Zhurn. 72 no. 2 30-55
Mz. Ap '67
- MITES—CONGRESSES**
Int. Symposium on Medical and Veterinary Acariontology.
L. V. Uzunovskiy, M.-D. pariz. i pariz. bel. 36
no. 3 370 My '67
- MITECOIDES**
Acarioid characteristics of daktariy. S. S. Volodkovich
and others. Khim. v sel. khoz. 5 no. 5 18-21 '67
Relationship of the spider mite Tetranychus telarius L.
to acaricides. J. V. Zilchman, I. U. N. Padev, L. M.
Zburavleva. Khim. v sel. khoz. 5 no. 6 11-22 Je '67.
- MITOCHONDRIA**
Functional heterogeneity of mitochondria in normal and
tumor cells. N. K. Monakhov. Mol. biol. 1 no. 1
11-12 2 Ja '67
- MODIFICATION OF THE SK-10 SPECTROPHOTOMETER FOR THE RE-**
cording of cytochrome absorption spectra in the mito-
chondria. T. P. Derkachev, M. G. Minskina, S. E.
Manshiy. Voprosy khim. 13 no. 3 322-325 My-
'67.
- MIDRILL VALVE—SURGERY**
Changes in the vectorcardiogram following mitral com-
missurotomy. E. A. Kulekova. Kardiologiya 7 no. 3;
136-136 Mu '67.
- MIXING**
Effect of the intensity of mixing on mass transfer during
reaction in the system liquid-liquid. G. K. Gonchar-
enko, A. P. Goltyskaya, Zhurn. prikl. khim. 40 no. 3
594-599 Mi '67.
- MIXING MACHINERY**
Mixing with a 12 meter diameter. I. P. Kozlov.
V. I. Prib. i stroit. i det. mash. 12 no. 2-28-29 '67
- MIXING MACHINERY—DESIGN AND CONSTRUCTION**
Calculation of mixing equipment. I. A. Z. Kleinman. Izv.
AN Uz. SSR, Ser. tekhn. nauk 10 no. 5:60-67 '66.
- MOBUTU, JOSEPH—DESIRE, 1930-**
Joseph-Désiré Mobutu. Az. i Afr. seg. 10 no. 6:12 Je '67.
- MOCHALOV, MIKHAIL ALEKSANDROVICH**
The charm of authenticity. V. Kuznetsov. Sov. voim. 49
no. 3 28 F '67.
- MODELS AND MODELMAKING**
Suggestions for modelmakers. Izobr. i rats. no. 11-32-33
N '66.
- MODERNISM—CATHOLIC CHURCH**
New tendencies in modern Catholicism. L. N. Volkovich.
Vop. nauch. ateiz. no. 2:337-363 '66.
- MODULATION (ELECTRONICS)—MEASUREMENT**
Measuring percentage modulation on superhigh frequencies
by Hall pickups. V. P. Chirkov. Izv. vyz. ucheb. zav.
publ. 10 no. 4 40-41 '67
- MOSSBAUER EFFECT**
Application of Mossbauer effect for studying the role of
iron in biological nitrogen fixation. I. U. Sh. Moshkovskiy
and others. Dokl. AN SSSR 174 no. 1 215-217 My '67
Study of four-coordinate chelate compounds of iron
by means of nuclear gamma resonance. R. A. Stukan
and others. Zhurn. strukt. khim. 9 no. 2 230-237 Mi-
'67
- MOGILEV—PACKINGHOUSES—EQUIPMENT AND SUPPLIES**
New design of unit for processing pig heads. N. Gimel'-
nab. Muz. i in. SSSR 26 no. 5:23-25 My '67
- MOGILEV—VOCATIONAL REHABILITATION**
There are no hopeless situations. A. Zhil'skiy. Sovs.
Zashch. 12 no. 5 17 My '67
- MOISTURE**
Moisture conditions in transport warehouses. V. K.
Fozlov. Trudy nauch. i issled. no. 2 26-30 '66
Strength variation of porous dispersed bodies dependent
on conditions of interaction with water. G. D. Dibrav
and others. Dokl. AN SSSR 174 no. 1 151-157 My '67.
- MOISTURE—MEASUREMENT**
Measuring moisture content in peat on production line with
high-frequency pickups. G. A. Kupiel'. Prom. Bel. 10
no. 4 10-41 Ap '67.
- MOKSHA RIVER—DREAM**
Common fish from the Moksha River. A. I. Dushin, A. N.
Serezhkina. Uch. zap. Mord. gos. un. no. 51:207-209 '66
- MOKSHA RIVER—FISHES**
Materials on fishes in the Moksha River. A. I. Dushin.
Uch. zap. Mord. gos. un. no. 51:171-179 '66
Sivni i Issa rivers as spawning ground for fishes of
the Moksha River. A. I. Dushin, V. I. Astradomov. Uch.
zap. Mord. gos. un. no. 51:200-203 '66
- MOKSHA RIVER—SHIPPING**
Effectiveness of river transportation of mineral fertilizers.
M. S. Zaitsev, N. Kuznetsov. Khim. i transp. 26 no. 3 32
'67
- MOKSHA VALLEY—BIRDS**
Ornithological observations in the Moksha floodplain in
summer of 1961-1966. A. I. Dushin. Uch. zap. Mord.
gos. un. no. 54:217-227 '66
- MOLASSES**
Results of studying the phenomena of molasses forma-
tion in sugar manufacture. L. A. Savvin. Sakh. prom.
41 no. 5:11-13 My '67.
Use of sugar-1-eth double-hydrolysis molasses in the
production of paste. M. I. U. Sidanova, I. S. Kuznetsova,
Khleb. i kond. prom. 11 no. 5:23-25 My '67.
- MOLDAVIA—AGRICULTURE—ECONOMIC ASPECTS**
"Economic" soil fertility is the most important condition
of the efficient use of land. V. M. Fomin. Izv. AN
Mold. SSR no. 3 11-20 '66
- MOLDAVIA—AMPHIPODA**
Genesis of amphipod and mysid fauna in Dniester and
Put basins. I. I. Dediu. Zool. zhurn. 46 no. 4 495-500
Ap '67.
- MOLDAVIA—BANKS AND BANKING**
Collective farm cash turnovers and the State Bank payment
and receiving plan. I. Reznikov. Den. i kred. 25 no. 4;
55-58 Ap '67
- MOLDAVIA—BIBLIOGRAPHY**
[Chronicle of the publications of the Moldavian S. S. R.]
Let. pech. Mold. SSR no. 3 31-S '66, publ. '67.
- MOLDAVIA—BRANDY**
Malabar, V. M., and N. S. Tokhmakhid. [Ways of im-
proving the quality of the wines and cognacs of Molda-
via.] Puti uluchsheniya kachestva vin i kon'akov Molda-
vii. Kishinev, 1966 40 p.
- MOLDAVIA—CANNING INDUSTRY—STATISTICS**
Ursul, M. M. [Current problems of developing the can-
ning industry in the Moldavian S. S. R.] Nasushchnye
voprosy razvitiya konservnoi promyshlennosti Moldav-
skoi SSR. Kishinev, Karla Moldovenaske, 1967.
45 p.
- MOLDAVIA—COLLECTIVE FARMS—FINANCE**
Collective farm cash turnovers and the State Bank payment
and receiving plan. I. Reznikov. Den. i kred. 25 no. 4;
55-58 Ap '67
- MOLDAVIA—COLLECTIVE FARMS—STATISTICS**
Intensification of production indexes and their relations
to the use of labor on collective farms. L. M. Dragunov.
Izv. AN Mold. SSR no. 3 21-30 '66
Potentialities of increasing the economic efficiency of
producing industrial crops on the collective farms of the
Moldavian S. S. R. V. L. Rusnak. Izv. AN Mold. SSR
no. 3 31-39 '66
- MOLDAVIA—COMMUNIST EDUCATION**
School party organizations in rural areas. M. Tuzla.
Part. zhurn. no. 11 35-37 Je '67.
- MOLDAVIA—ELECTION LAW**
Moldavian S. S. R. Laws, statutes, etc. [Statute on elec-
tions to the Supreme Soviet of the Moldavian S. S. R.]
Adopted by decree of the Presidium of the Supreme
Soviet of the Moldavian S. S. R., December 14, 1950
With amendments and supplements introduced by de-
crees of the Presidium of the Supreme Soviet of the
Moldavian S. S. R., December 18, 1956, January 19,
1959, January 12, 1963, and December 8, 1966. Polo-
zhenie o vyborakh v Verkhovnyi Sovet Moldavskoi SSR.
Utv. zhdno ukazom Prezidiuma Verkhovnogo Soveta
Moldavskoi SSR ot 14 dekabrya 1950 goda. S izmenen-
niami i dopolneniyami, vnesennymi ukazami Prezidiuma
Verkhovnogo Soveta Moldavskoi SSR ot 18 dekabrya
1958 goda, 19 yanvarya 1959 goda, 12 yanvarya 1963 goda
i 8 dekabrya 1966 goda. Kishinev, Karla Moldovenaske,
1967. 25 p.
- MOLDAVIA—FIELD CROPS**
Potentialities of increasing the economic efficiency of
producing industrial crops on the collective farms of the
Moldavian S. S. R. V. L. Rusnak. Izv. AN Mold. SSR
no. 3 31-39 '66
- MOLDAVIA—FISH CULTURE**
Improving the use of Moldavian bodies of water for
pisciculture purposes. M. A. Polog. Izv. AN Mold.
SSR no. 3 63-68 '66
- MOLDAVIA—FRUIT—IRRIGATION**
Potentialities of irrigation gardening in Moldavia. M. A.
Polog. Izv. AN Mold. SSR no. 3 1-8 '66
- MOLDAVIA—FRUIT CULTURE—FINANCE**
Profitableness of fruit production on the farms of the
northern part of the forest steppe zone of Moldavia.
V. M. Belous. Izv. AN Mold. SSR no. 3 39-91 '66
- MOLDAVIA—FRUIT TRADE**
Specialized organization of the procurement and sale
of vegetables and fruit. I. Kudel'kin. Zakup. sel'khoz.
prod. no. 2 34-35 I '67
- TSUGALEVICH, B. A.** [Potentialities of the economic use of
raw fruit, from the work practice of the Yedintey
Canning Plant] Rezervy ekonomicheskogo ispol'zovaniya
fruktovogo sy'ia, iz opyta raboty Edinetskogo konserv-
nogo zavoda. Kishinev, Karla Moldovenaske, 1967.
88 p.
- MOLDAVIA—FURNITURE INDUSTRY**
Furniture and wood-processing industry of Moldavia.
B. P. Trekhov. Det. prom. 16 no. 6 16-18 Je '67
- MOLDAVIA—IRRIGATION**
From waterwheels to programmed irrigation. G. I.
Atienluk. Gid. i mel. 19 no. 5:1-17 My '67.
- MOLDAVIA—MACHINERY INDUSTRY—MANAGEMENT**
Kovalenko, A. U. [Ways of improving branch structure,
specialization and cooperation in the machinery manu-
facturing of the Moldavian S. S. R.] Puti sovershenstva-
vaniya otzraslevoi struktury, spetsializatsii i kooperiro-
vaniya v mashinostroenii Moldavskoi SSR. Kishinev,
1966. 87 p.
- MOLDAVIA—MACHINERY INDUSTRY—PRODUCTION STANDARDS**
Problems of improving the establishment of work norms
in machinery manufacturing enterprises of Moldavia.
G. M. Sekeina. Izv. AN Mold. SSR no. 3 64-74 '66
- MOLDAVIA—MYSIDAE**
Genesis of amphipod and mysid fauna in Dniester and
Put basins. I. I. Dediu. Zool. zhurn. 46 no. 4 495-500
Ap '67.
- MOLDAVIA—PLANT QUARANTINE**
At quarantine stations. T. A. Gordukalova, V. M. Kiper.
Zashch. rast. 12 no. 5:48-49 '67.
- MOLDAVIA—PLANTS, PROTECTION OF**
Guaranty of crop yields. L. T. Stoicheva. Zashch. rast.
12 no. 5:43 '67.
In Moldavia. V. A. Shapa. Zashch. rast. 12 no. 5 2-3
'67.
In republican inspection. A. G. Golovin, E. P. Evgrafova.
Zashch. rast. 12 no. 5 46-47 '67
- MOLDAVIA—SUNFLOWERS—COSTS**
Ways of reducing the cost of sunflowers in the Moldavian
S. S. R. I. P. Fesenko. Izv. AN Mold. SSR, no. 3 8-
13 '66
- MOLDAVIA—TELECOMMUNICATION**
We are enlarging the grid of communication enterprises.
A. G. Severinov. Vest. svyazi 27 no. 5:17 My '67.
- MOLDAVIA—VEGETABLE TRADE**
Specialized organization of the procurement and sale
of vegetables and fruit. I. Kudel'kin. Zakup. sel'khoz.
prod. no. 2 34-35 F '67.

MOLDAVIA—WAGES—COLLECTIVE FARMS

Concerning and improving forms of supplemental wages in the collective farms of Moldavia. M.I. Nava. Izv. AN Mold. SSR no. 3:50-54 '66

Wages improving wages for collective farmers. F.A. Buzza. Izv. AN Mold. SSR no. 3:55-61 '66

MOLDAVIA—WINE AND WINE MAKING

Kalash, G.I. [Production of high-quality white table wines]. Proizvodstvo stolovnykh belikh mai ochnykh vin. Ed. 2. Kishinev, Partizane izd-vo TsK KP Moldavi, 1965. 133 p.

Ukhtov, V.M., and N.S. Tokhmakhchil. [Ways of improving the quality of the wines and cognacs of Moldavia]. Putevnik v kachestva v in kon'akov Moldavi. Kishinev, 1966. 40 p.

MOLDAVIA—WOODWORKING INDUSTRIES

For turn and wood-processing industry of Moldavia. B.P. Tikhov. Dets. prom. 16 no. 6:16-18 Je '67.

MOLDING (CHEMICAL TECHNOLOGY)

Petrovskiy, A.G. [Slip casting]. Shilkeinoe lit'e. Moskva, Metallurgiya, 1967. 173 p.

MOLDING (FOUNDING)

Accurate calculation of the temperature field of molds for large castings. K.L. Sheptunov, L.K. Sheptunov. Izv. proizv. no. 1:28-29 Ap '67

Calculating pump rotors of the Br. ONF 9-2, 5-0, 2 in sand. M.I. Tikhov, A.A. Vasiliev, V.N. Smirnov. Izv. proizv. no. 5:41-42 My '67

Errors in the assembly of sand molds. V.I. Bredis, P.I. Telarev. Lat. proizv. no. 1:5-6 Ap '67

MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES

Plastic molds. A.T. Kokunov, V.G. Gorlunov. Stand. i tekhn. 31 no. 5:13 My '67.

MOLECULAR ASSOCIATION

Factors of anions determining the extractibility of their associates with triarylmethane dyes. S.A. Iomarov, A.V. Nikolaev, Zhur. strukt. khim. 8 no. 2:26-27 Mr.-Ap '67.

MOLECULAR BEAMS

Effect of adsorption on the photoconductivity of germanium. Detection of molecular beams. I.V. Abulian, V.S. Bellak, I.I. Titov. Izv. AN Mold. SSR no. 2:77-80-82 '67

Interaction between a prepolymers beam and an electric field. G.I. Suchkin. Zhur. eksp. i teor. fiz. 52 no. 1:919-925 '67.

MOLECULAR BIOLOGY

Excited states of Watson-Crick pairs of DNA bases. V.A. Kapranchik, V.I. Dantlov, O.V. Shumko. Mol. biol. 1 no. 3:343-351 My-Je '67

Enzyme method of the calculation of constants of molecule-protein associations. B.I. Kuiganov. Mol. biol. 1 no. 1:17-21 Ja-F '67

Low-molecular regulators of embryonal development processes. G.A. Buznikov. Pitroda no. 4:20-31 Ap '67

Participation of anticodons in the acceptor function of transfer RNA. L.L. Kiselev, L.IU. Filolova, N.M. Alekseyeva. Mol. biol. 1 no. 1:123-128 Ja-F '67

Identification method for studying DNA binding with low-molecular substances and some proteins. I.U. Kosagayev, I.U. Lazukin. Mol. biol. 1 no. 1:75-82 Ja-F '67

Some trends in modern molecular biology, materials of the 3rd Winter School of Molecular Biology. G.D. Berdyzhev. Tsit. i gen. 1 no. 3:93-95 My-Je '67

MOLECULAR BIOLOGY—JUVENILE LITERATURE

Orlov, G.M., and L.S. Markhasev. [Voyage into the land of molecular biology]. Puteshestvie v stranu MOB. Leningrad, Detskaya lit-ra, 1967. 206 p.

MOLECULAR DYNAMICS

Concerning the article by I.N. Godnev, A.A. Zaitsev, and I.V. Rignat. "Use of Lagrange's equations with non-eliminated couplings in setting-up the theory of molecular vibrations in dependent coordinates." L.S. Matants. Opt. i spekt. 22 no. 5:858 My '67

Exchange of energy and momentum between the atoms and molecules of a gas and the surface of a solid. A.I. Erofeev. PFTF no. 2:135-140 Mr.-Ap '67

Studying the operation of a cryogenic pump in a free molecular regime. N.N. Bagov and others. Zhur. tekhn. fiz. 37 no. 6:1105-1111 Je '67

MOLECULAR ORBITALS

Calculation by the molecular orbital method of the nine-membered pyrrole analog and cyclononatrienyl pyridinium ylides. D.A. Bocharov, N.P. Gambartan, A.V. Tsvetkov. Izv. AN SSSR Ser. khim. no. 8:1004-1008 My '67

Calculation of cyclopropane derivatives by the NO LCAO method. V.A. Bespalov. Vest. LGU 22 no. 4:117-122 F '67

Orbital dimensions of atoms, a new system of radii and characteristic determining interatomic distances and isomerism. V.I. Lebedev. Vest. LGU 22 no. 6:43-61 Mr '67

Problem of the mutual effect of atoms in molecules.

Part 1. Using the method of linear combination of atomic orbitals for the distribution of electron density in the molecules of p-mono- and p-disubstituted diphenylamine. I.I. Lagutskaya, N.A. Pratezhava. Izv. vys. ucheb. zav. fiz. no. 4:105-107 '67

Relation between different scales of electronegativities in MO LCAO approximation. N.P. Borisova. Vest. LGU 22 no. 4:132-133 F '67

Relative position of $\pi\pi^*$ - and $\pi\pi^*$ -states of molecules and their optical properties. Part 2: Spin-orbital interaction of $\pi\pi^*$ - and $\pi\pi^*$ -states. V.G. Plotnikov. Opt. i spekt. 22 no. 5:735-739 My '67

MOLECULAR SIEVES

Separating normal paraffins from gasoline fractions using molecular sieves. I.V. Mikhlin, A.Z. Dorogochinskii, N.F. Meged. Neftepr. i neftekhim. no. 4:22-26 '67.

MOLECULAR SPECTRA

Analysis of rotational structure of 3577 Å band of BO^+ ion. D.I. Kitaev, A.A. Mal'tsev. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2:23-27 Mr.-Ap '67

Application of the generalized Wentzel-Kramers-Brillouin method to the studies of vibrational-rotational spectra of diatomic molecules. Part 2: Vibrational-rotational spectrum of the Rydberg-Klein-Rees oscillator. A.S. Vasilevskii, N.I. Zhinov. Opt. i spekt. 22 no. 5:730-734 My '67

Effect of weak intermolecular interaction on the intensity of stretching vibration bands of the methylene group of the dithiomethanes. A.IA. Rasulov, V.M. Chulanovskii. Opt. i spekt. 22 no. 5:763-767 My '67

Fundamental frequencies and calculation of the vibrational spectrum of tetrafluorohydrazine molecule. E.N. Moshvina, I.U. Kuzinok. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2:111-111 Mr.-Ap '67

Intensity distribution in electron-oscillatory spectra of polyatomic molecules. V.P. Klovkov, V.L. Bogdanov. Opt. i spekt. 22 no. 1:671-676 Ap '67

Micro-wave rotation spectrum of $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ molecule. L.M. Imanov, A.A. Abdurakhmanov, R.A. Ragimova. Opt. i spekt. 22 no. 5:840-841 My '67

Micro-wave spectrum of $\text{CH}_3\text{CH}_2\text{OD}$ and $\text{CH}_3\text{CH}_2\text{O}^{18}\text{H}$ molecules. L.M. Imanov, Ch.O. Kadzhar, L.Dzh. Isaev. Opt. i spekt. 22 no. 5:837-838 My '67

Micro-wave spectrum of the molecule $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$. A.A. Abdurakhmanov, R.A. Ragimova, L.M. Imanov. Izv. AN Azerb. SSR. Ser. fiz. tekhn. i mat. nauk no. 6:82-86 '66

Negative absorption on nitrogen molecular ion bands in a glow-discharge. V.N. Elizarova and others. Izv. vys. ucheb. zav. fiz. no. 4:159-160 '67

New method of calculating molecular vibrations of 1,1,2,2-tetrafluoro-17-butadiene. I.U. Nanchenko and others. Vest. Mosk. un. Ser. 2. Khim. 22 no. 2:20-22 Mr.-Ap '67

Problem of the true absorption spectrum of molecules in a condensed medium (Remarks on an article by Lefranc, Jacob, and Vincent-Geisse). N.G. Bakshiev, O.P. Gulin, V.S. Libov. Opt. i spekt. 22 no. 4:686-687 Ap '67

Quadrupole constants of 1,2-dichlorofluoroethane molecules. I.A. Mukhtarov, E.I. Mukhtarov. Zhur. strukt. khim. 8 no. 2:352-354 Mr.-Ap '67

MOLECULAR STRUCTURE

Electron diffraction study of the structure of chlorodifluoromethane molecule. L.V. Vilkov, I.I. Nazarenko. Zhur. strukt. khim. 8 no. 2:346-348 Mr.-Ap '67

Infrared spectra of carbohydrates and spatial distribution of C-H groups. V.P. Komar, H.G. Zhilankov, A.M. Pima. Zhur. strukt. khim. 8 no. 2:252-257 Mr.-Ap '67

Molecular structure of borine hydrazine crystals. V.I. Andrianov and others. Zhur. strukt. khim. 8 no. 2:303-306 Mr.-Ap '67

Spectra and molecular structure of nitric acid in solutions. Report No. 3: Complex formation with carboxylic acids. A.P. Denich, L.T. Ereminenko, L.A. Nikitina. Izv. AN SSSR. Ser. khim. no. 4:757-761 Ap '67

Systematics of atomic refractions. S.S. Baisanov. Zhur. strukt. khim. 8 no. 2:376-385 Mr.-Ap '67

Uniqueness of Rydberg-Klein-Rees curves. A.S. Vasilevskii, N.I. Zhinov, I.G. Katsnel'son. Opt. i spekt. 22 no. 5:816-818 My '67

MOLECULAR WEIGHTS

Molecular weight effect on the characteristics of fluctuation networks in solutions of copolymers capable of forming interchain hydrogen bonding. I.U. Panov, S.IA. Frankel. Vysokom. soed. Ser. A 8 no. 4:937-943 Ap '67

MOLECULES

Applying the method of dynamic similarity to the calculation of some molecular values. A.G. Kon'eva. Izv. vys. ucheb. zav. fiz. no. 4:91-96 '67

Effect of the size of the hydrophobic surface of the dye-stuff molecule on the kinetics of its sorption by fibers in the dying process. B.N. Mel'nikov, V.N. Kiselev, R.P. Godunova. Izv. vys. ucheb. zav. i khim. i tekhn. 10 no. 2:213-215 '67

Oscillations of a diatomic chain with a defect. D.S. Tsitskishvili. Soob. AN Gruz. SSR. 16 no. 2:319-326 My '67

Stark effect in molecules of the type of an asymmetric spinning top with a quadrupole core. I.A. Mukhtarov, R.I. Mukhtarov. Izv. AN Azerb. SSR. Ser. fiz. tekhn. i mat. nauk no. 6:76-81 '66

MOLECULES—VIBRATION

Vibrational relaxation in the system I_2-He and I_2-Ar . V.D. Kosygin, N.A. Gerasimov. Vest. Mosk. un. Ser. 3. Fiz. astron. 22 no. 3:110-111 My-Je '67

MOLES (ANIMALS)

Burrowing activity of mole in mixed hardwood spruce forests. D.D. Abaturon, C.A. Biazova. Lesovodeniye no. 3:44-59 My-Je '67

MOLLUSKS

(See also subdivision under Talysh Mountains)

Determination of growth temperatures of some recent and fossil mollusks with respect to the ratio in their skeletal formations. A.V. Zhirumskii and others. Geokhimiya no. 5:543-552 My '67

MOLLUSKS—PARASITES see Parasites—Mollusks

MOLNAR, ERUK, 1894-1966

In memory of Erik Molnar. Ervin Pamlyny. Vop. ist. 42 no. 5:201-207 My '67

MOLOKANS—CONTROVERSIAL LITERATURE

Changes in the religious life and activity of Molokan priests. K.I. Kozlov. Vop. nauch. ateiz. no. 2:305-321 '66

MOLYBDATES

X-ray diffraction examination of chromitum and aluminum molybdates. L.M. Piasova, L.M. Kefeli. Izv. AN SSSR. Neorg. mat. 3 no. 5:906-908 My '67

MOLYBDENUM

Recovering molybdenum from molybdenum-containing tailings. L.M. Kabanova, V.G. Dobosh. Tseol. i prak. met. no. 7:216-212 '64

MOLYBDENUM—WELDING

Soldering molybdenum and tungsten with tin-base filler metal. Z.V. Nikiforova, B.M. Nestorov, A.A. Sharov. Svar. proizv. no. 3:19-22 Mr '67

MOLYBDENUM COMPOUNDS

Composition and stability of water-soluble cadmium-molybdenum complexes. L.I. Lebedeva, G.V. Kuznetsova. Vest. LGU 22 no. 4:106-112 F '67

MOLYBDENUM-NICKEL ALLOYS see Nickel-molybdenum alloys

MOLYBDENUM ORES see subdivision under Armenia; Transbaikalia

MOLYBDENUM ORES—CLASSIFICATION see subdivision under Buryat A.S.S.R.

MOLYBDENUM OXIDES

Isopropyl alcohol decomposition, dehydrogenation of tetralin and dehydrogenation of isomethylcarbinol on molybdenum oxides. V.A. Nasyrov and others. Izv. AN SSSR. Ser. khim. no. 1:761-767 Ap '67

MOLYBDENUM SULFIDES

Effect of molybdenum disulfide coating on the strength of cutting tools. F.P. Maltkov. Vest. mashinost. 47 no. 5:66-67 My '67

Use of molybdenum disulfide to strengthen machine parts and tools. T. Kuznetsova. Rech. transp. 26 no. 3:33 '67

MOLYBDENUM-ZIRCONIUM-IRON ALLOYS see Zirconium-molybdenum-iron alloys

MONASTICISM AND RELIGIOUS ORDERS

Attempts for the adaptation of Catholic orders to present conditions. H. Mohr. Vop. nauch. ateiz. no. 2:390-405 '66

MONETARY POLICY

Lenin's principles of the monetary policy. Z. Atlas. Dets. kred. 25 no. 4:27-38 Ap '67

MONGOLIA—COMMUNIST PARTY

Organizer of the victories of the Mongolian people. V. Titkov. Agitator no. 5:15-16 Mr '61

MONGOLIA—DESCRIPTION

On Mongolian soil. S. Barents. Sov. voyn. 48 no. 1:41-43 Ja '67

MONGOLIA—ECONOMIC POLICY

Trade-union role in the national economy. D. Yadamtsuren. Vsem. prof. dvizh. no. 2:20-31 Mr '67

MONGOLIA—HYDROMETEOROLOGY

Hydrometeorological service of the Mongolian People's Republic. D. Tuvdendorzh. Meteor. i gidrol. no. 6:108-110 Je '67

MONGOLIA—TRADE UNIONS

Trade union role in the national economy D. Yadamsuren
Vsem. prof. izv. no 2 29-31 Mi '67

MONGOLIAN PHILOLOGY

Gombolakh Tsybikovich Tsybikov is a philologist E. N.
Ryglyon Trudy lit. i. y. no 26 19 29 '58

MONILIALES—CULTURES AND CULTURE MEDIA

Effect of polysaccharide-containing complex of Malleomonas pseudomallei on experimental tumors in animals
E. P. Efimova and others Antibiotiki 12 no 5 375-380 My '67

MONOPOLIES

Capitalism of state monopolies and the "integration"
B. M. Levin Uch. zap. Kosu. gos. ped. inst. no 9 28-32 '67

MONTE CARLO METHOD

Modeling of radiative decay and geometrical characteristics of the particle decay according to the scheme
 $\gamma \rightarrow \gamma + \gamma \rightarrow \gamma$ R. S. Guter, I. V. Kiselev, T. A. Minakov Izv. fiz. 5 no 5 1028-1036 My '67

Study of algorithms in conversion of random signals using the Monte Carlo method G. N. Balasany, B. A. Chumachenko Izv. AN SSSR Tekh. kib. no 2 131-138 Mi '67

MONTE CARLO METHOD—CONGRESSES

First All-Union Conference on Monte Carlo Methods, G. I. Marchuk, G. A. Mikhailov Zhurn. vych. mat. i. mat. fiz. 7 no 1 711-716 My-Je '67

MONTRCAL—EXHIBITIONS

EXPO-67 N. Poyashev, V. mite knag no 1-46 '67
Soviet Estonia in Montreal, A. Muuritspp. Nov. vrem. 25 no 21 23 My '67

MOON—EXPLORATION

Units seismological stations D. F. Adamski, Geofiz. app. no 21 127-136 '67

MOON—SURFACE

Some results of the measurements of the complete Stokes vector for the details of the lunar surface, I. U. N. Lapsht, M. M. Pospisil, Izv. Astron. zhurn. 41 no 2 410-412 '67

MOON—TEMPERATURE AND RADIATION

Factor of reflection from the plane-schistose medium of light for different angles of incidence of electromagnetic waves, I. U. G. Matveev, Astron. zhurn. 41 no 2 410-412 '67

Measurement of lunar radio emission in the 30-60 cm range, V. S. Troitski, V. D. Krikorov, N. M. Tschilo, Astron. zhurn. 44 no 2 113-115 '67

Observations of polarization of the lunar radio emission at a wavelength of 0.8 cm with a high resolving power, B. I. A. Losovskii, Astron. zhurn. 41 no 2 416-418 '67

MORANES—ANALYSIS see subdivision under White Russia

MORAL EDUCATION

(see also subdivision under Leningrad)

Development of activity and independence as the characteristic traits of students Sh. I. Ganelin Uch. zap. Ped. inst. Gerts. no 2975-25 '66

Development of activity and self-reliance of students in the course of instruction in public and private secondary schools in Russia, based on the material of St. Petersburg schools N. S. Zenchenko Uch. zap. Ped. inst. Gerts. no 2972-26-61 '66

Development of moral feelings in the Pioneer K. I. Radina, Uch. zap. Ped. inst. Gerts. no 297-17-42 '66

Gordin, A. I. U. [Moral education of school children through manual training (5th-8th grades); based on examples of city extended-hours schools] Na avstvennoe vospitanie shkol'nikov v trude (V-VIII klassy), na primere gorodskoi shkoly s podlennym dnem, Moskva, Prosveshchenie, 1967, 117 p.

To educate together, S. G. Vershlovskii, Vech. ar. shkola 10 no 3 27-31 My-Je '67

MORDOVIA—AGRICULTURAL PESTS

Effect of undersowing of peas and beans with different phacelia norms on the composition of entomofauna and main crop yield, T. A. Antsiferova Uch. zap. Mord. gos. un. no 54:7-23 '66

Entomofauna of vetch-oat-phacelia and vetch-oat mixtures in Mordvinian A. S. S. R. T. A. Antsiferova, P. A. Dobrosmylov Uch. zap. Mord. gos. un. no 54:64-81 '66

MORDOVIA—AGRICULTURE—ECONOMIC ASPECTS

Quality and profitability A. U. Ivanochkin, A. Makarkin Zakup. sel'khoz. prod. no 3 36-38 Mi '67

MORDOVIA—BOTANY, ECONOMIC

Saransk. Mordovskii gosudarstvennyi universitet, [Useful and harmful plants of the Mordvinian A. S. S. R.] Poleznye i vrednye rastenija Mordovskoi ASSR Saransk, Mordovskoe knizhnoe izd-vo, 1966, 68 p. (Iz Uchenye zapiski, no. 66)

MORDOVIA—BROAD BEAN

Pollination of broad bean by bees T. A. Antsiferova, G. S. Gordin Uch. zap. Mord. gos. un. no 54 33-43 '66

MORDOVIA—BROAD BEAN—DISEASES AND PESTS

Some data on insects in Vicia faba L. fields, T. A. Antsiferova, P. A. Dobrosmylov, A. T. Matasov Uch. zap. Mord. gos. un. no 54:29-52 '66

MORDOVIA—CHALCID FLIES

Chalcid flies of the genus Habrocytus Thoms., parasites of Anthrenus pomorum L. P. A. Dobrosmylov Uch. zap. Mord. gos. un. no 54 116-123 '66

MORDOVIA—GASTROPODA AS CARRIERS OF DISEASE

Gastropoda as intermediate hosts of animal and human helminths in Mordvia P. A. Dobrosmylov, V. P. Machinskii Uch. zap. Mord. gos. un. no 54 161-168 '66

MORDOVIA—LEAF ROLLERS

Injury to leaves of jumping bean moth T. A. Antsiferova, P. A. Dobrosmylov Uch. zap. Mord. gos. un. no 54 82-85 '66

MORDOVIA—MICE

Changes in population dynamics of murine rodents in pea fields after harvest, A. I. Dushin Uch. zap. Mord. gos. un. no 54 228-231 '66

MORDOVIA—PARASITES—FISHES

Fish parasites in bodies of water of Mordovia P. A. Dobrosmylov, G. T. I. Anukhmetov Uch. zap. Mord. gos. un. no 54 137-152 '66

MORDOVIA—PARASITES—MUSKRATS

Helminths of muskrats in Mordovia, A. P. Machinskii, P. A. Dobrosmylov Uch. zap. Mord. gos. un. no 54 153-155 '66

MORDOVIA—PARASITES—VOLVES

Occurrence of Echinococcus granulosus (Batsch, 1786, Rudolphi, 1801) in a wolf in Mordovia, A. P. Machinskii, P. A. Dobrosmylov, V. N. Semov Uch. zap. Mord. gos. un. no 54 156-160 '66

MORDOVIA—PHACELIA

Effect of undersowing of peas and beans with different phacelia norms on the composition of entomofauna and main crop yield, T. A. Antsiferova Uch. zap. Mord. gos. un. no 54 7-23 '66

MORDOVIA—SERVICE INDUSTRIES—AUDITING AND INSPECTION

The service industry of Mordovia in 1967, M. Belogorov, Sov. profsoyuzy 23 no 8 41-15 Ap '67

MORDOVIN LANGUAGE—DECLENSION

The absolute (casualty) form N. F. Tsyganov, Uch. zap. Mord. gos. un. no 43:170-191 '64

Secondary declension of nouns N. F. Tsyganov, Uch. zap. Mord. gos. un. no 43:192-197 '64

MORDOVIN LANGUAGE—DIALECTS see subdivision under Shemysheyska District

MORDOVIN LANGUAGE—NOUN

Secondary declension of nouns N. F. Tsyganov, Uch. zap. Mord. gos. un. no 43:192-197 '64

MORDOVIN LANGUAGE—VERB

Formation of verbs from nouns in Mordvin languages, P. G. Matushkin Uch. zap. Mord. gos. un. no 43:160-178 '64

MORDOVIN LANGUAGE—VOWELS

Vowels of the first syllable in the Mordvin dialects: brief conclusions, N. F. Tsyganov, Uch. zap. Mord. gos. un. no 43 3-18 '64

MORDOVIN LANGUAGE—WORD FORMATION

Formation of verbs from nouns in Mordvin languages, P. G. Matushkin Uch. zap. Mord. gos. un. no 43:160-178 '64

MORDOVINIAN A. S. S. R. see Mordovia

MORPHOLOGY

Morphological aspects of modern immunity theories, A. I. Fridenshtein Usp. sov. biol. 52 no 3 291-296 N-D '61

Morphological changes in the tissues of organs in rabbits following the introduction of adsorbed and nonadsorbed antigens of polyvalent vaccine V. N. Katsheva, E. E. Yekaiina Trudy Mosk. nauch.-issl. inst. vak. i. syv. 17 56-65 '61

MORPHOLOGY—CONGRESSES

(see also subdivision under Kazakhstan)
9th Morphological Congress in Bratislava, Czechoslovakia, S. S. Mikhailov, Arkh. anat., gist. i. embr. 52 no 5 91-97 My '67

MORSE CODE

Who has created the Morse code, Izobr. i. izats. no 11 33 N '66

MOSCOW

The heart of our homeland, N. Egorichev, Komm. Uch. iz. no 5 30-41 My '67

MOSCOW—AERONAUTICAL MUSEUMS

Conquering space N. Semenov, Izv. Gos. av. 24 no 4 12 '67

MOSCOW—AERONAUTICAL SPORTS

The motto is mass participation M. Semenov, Kryn. rol. iz. no 5 6 My '67

MOSCOW—ART GALLERIES AND MUSEUMS

Artistic layouts of exhibitions at the A. S. Pushkin State Museum in Moscow, N. V. Baranskaya, I. Z. Krein, B. V. Sokolov Trudy NIIM no 11 47-63 '65

MOSCOW—AUTOMOBILE INDUSTRY

The millionth "Moskvich," I. Grishchenko, Vnesh. izrg. 47 no 5 15 '67

MOSCOW—BAKERIES—ACCOUNTING

Experience proves P. Parashin, S. Satubaldin, Nar. Khoz. Kazakh. no 5 13-41 My '67

MOSCOW—CARTOGRAPHY

Conference of the Moscow Institute of Geodesic, Aerial Survey, and Cartographic Engineers, Izv. vys. uch. z. zav. i. geod. i. aerof. no 5 131-131 '66
Twenty-first Students' Conference of the Moscow Institute of Geodesic, Aerial Survey, and Cartographic Engineers, Izv. vys. uch. z. zav. i. geod. i. aerof. no 5 128-131 '66

MOSCOW—CLOCKMAKING AND WATCHMAKING

Practice of the Second Watch Plant, M. B. Gpshteln, Vost. mashinost. 47 no 5 76-77 My '67

MOSCOW—CLOCKS AND WATCHES

Radchenko, B. G. [Clocks of Moscow] Chasy Moskvy, [Moskva] Mosk. rabochii, 1967, 94 p.

MOSCOW—CLOTHING INDUSTRY—FINANCE

Analysis of the profitability of production V. Voloshina, M. Kopelkin, Sov. profsoyuzy 23 no 9 26-27 My '67

MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Tolpygo, M. F. [Horizons of the new] Gorizontaly novogo, [Moskva] Mosk. rabochii, 1967, 76 p.

We must reach every citizen of the capital N. Ivan'kovich, Agitator no 5 11-11 Mi '61

MOSCOW—CONFECTIONERY INDUSTRY

Moscow Order of Lenin Confectionery Factory "Krasnyi Oktabr" is 100 years old A. A. Gimenko Khleb i. kond. prom. 11 no 5 5-8 My '67

MOSCOW—DESCRIPTION

Moscow is a heroic and industrial city V. Promyslov, Komm. Vost. iz. 48 no 10 21-31 My '67

MOSCOW—DISTRIBUTIVE EDUCATION

The forge shop of personnel, S. M. Shostov, Sov. izrg. 40 no 5 46-48 My '67

MOSCOW—EDUCATION, COOPERATIVE

Our educational combine, V. G. Ulanov, Shkola i. prosv. 10 no 9 27-33 S '66

MOSCOW—ELECTRIC MOTORS, INDUCTION—QUALITY CONTROL

On Lenin's birthday, Stand. i. kaoh. 31 no 5, 5 My '67

MOSCOW—EVENING AND CONTINUATION SCHOOLS

On the threshold of the great holiday, N. V. Bogdanova, Vech. sred. shkola 10 no 3 5-8 My-Je '67

MOSCOW—EXHIBITIONS

Awards at the Exhibition of the Achievements of the National Economy, Stroi. i. dor. mash. 12 no 1:39 Ja '67

Exhibition experiences at the Central Exhibition I All in Moscow, 1957-1961, N. V. Voronov, Trudy NIIM no 14: 106-125 '65

The Exhibition of National Economic Achievements of the U. S. S. R. in the anniversary year, A. Dobrovil'skii, Agitator 35 no 10 34 My '67

Plans and fulfillment; artistic layouts of the Exhibition of National Creative Work of the R. S. F. S. R. in Moscow, 1960, V. G. Makarevich, A. N. Pobedinskii Trudy NIIM no 14 126-135 '65

MOSCOW—GAS, NATURAL—PIPELINES

Socialist obligations of collective of Moscow Order of Lenin Administration of Gas Pipelines in honor of the 50th Anniversary of the Great October Socialist Revolution, Gaz. prom. 12 no 3 22-25 Mr '67

MOSCOW—GEODESY

Conference of the Moscow Institute of Geodesic, Aerial Survey, and Cartographic Engineers, Izv. vys. uch. z. zav. i. geod. i. aerof. no 5 131-134 '66
Twenty-first Students' Conference of the Moscow Institute of Geodesic, Aerial Survey, and Cartographic Engineers, Izv. vys. uch. z. zav. i. geod. i. aerof. no 5 128-131 '66

MOSCOW—GRAIN TRADE—STUDY AND TEACHING

Best technical schools for training specialists in the grain milling and grain storage industry. Moscow Polytechnic School is 75 years old. Novochebarkassk Technical and Technological Technical School is 45 years old. B. Zolov, M. Novominskii. *Mosk. zhurn. tekhn. i stroit.* 33 no. 26-29 Ap '67.

MOSCOW—GROCERY TRADE—MANAGEMENT

The "Gastronom" works in the new way. A. Tsirev. *Sov. profsoyuz* 40 no. 5 17-19 My '67.

MOSCOW—HEATING FROM CENTRAL STATIONS

Operation of the central heating system of Moscow. N. K. Gerasimov. *Teplotekhnika* 14 no. 2, 9-12 F '67.
Remote control of heating networks. I. M. Berdichevskii, K. G. Kamenevskii, R. M. Tagir-Zade. *Elektr. st.* 38 no. 5 47-50 My '67.

MOSCOW—HOUSING MANAGEMENT

Where is A. Nakarochkin wrong? A. Platov. *Agitator* 40, 44-55 F '61.

MOSCOW—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Fromyslov, V. F. [Development of industrial construction in Moscow]. *Razvitiye industrial'nogo stroitel'stva v Moskve*. [Moskva, Stroizdat, 1967] 543 p.

MOSCOW—INDUSTRIAL MANAGEMENT

The new goals of Krasnaya Presnya. V. Manin. *Mosk. tekhn. snabzh.* 2 no. 5 1-5 My '67.
Original decisions. V. Bitunov. *Agitator* no. 4 16-18 F '61.

MOSCOW—LIBRARIES

Moscow. Public library. [V. I. Lenin State Order of Lenin Library of the U.S.S.R. in 1965]. *Gosudarstvennaya ordena Lenina biblioteka SSSR imeni V. I. Lenina v 1965 godu*. Moskva, Kniga, 1967. 114 p.

MOSCOW—LINGUISTIC RESEARCH

The philology department in preparation for the 50th anniversary of the October Revolution. E. Zvonogova. *Vest. Mosk. univ.* Ser. 10. Filol. no. 3 90-91 My-Je '67.

MOSCOW—MACHINE-TOOL INDUSTRY WORKERS—PENSIONS

They continue to work. N. Faskheev. *Sots. obshch.* 42 no. 5 31 My '67.

MOSCOW—MEAT INDUSTRY—MANAGEMENT

Scientific organization of labor in action. L. Smachkova. *Mias. ind. SSSR* 38 no. 5 17 My '67.

MOSCOW—MILITARY MUSEUMS

The Navy in the Central Museum of the Armed Forces exposition. M. I. Gubotskii. *Mosk. zhurn.* 50 no. 3 26-28 Mr '67.

MOSCOW—MOSQUITOES

Ecology and biological characteristics of the population of *Culex pipiens pipiens* L. in Moscow region. E. S. Kupriyanova, L. M. Vorotnikova. *Med. parazit. i parazit. bol.* 36 no. 2:216-221 Mr-Jp '67.

MOSCOW—MOSQUITOES—CLASSIFICATION

Morphology and classification of the *Culex pipiens* population in Moscow region. O. N. Vinogradskaya, T. A. Orlabekina, V. V. Derzhavskaya. *Med. parazit. i parazit. bol.* 36 no. 2:224-231 Mr-Jp '67.

MOSCOW—OLD AGE HOMES—EMPLOYEES

Top reward. E. Lyseikov. *Sots. obshch.* 42 no. 5 45-47 My '67.

MOSCOW—PACKINGHOUSE PRODUCTS

Smoked and baked products. E. Goldman, M. Gudkova. *Mias. ind. SSSR* 38 no. 5 28-30 My '67.

MOSCOW—PERFUMES

Moscow perfume factory "Novaya Zaria." A. V. Gribina. *Mosk. zhurn. tekhn. i stroit.* 33 no. 3 7 Mr '67.

MOSCOW—PHOTOGRAPHY, AERIAL

Conference of the Moscow Institute of Geodetic, Aerial Survey, and Cartographic Engineers. *Izv. vuz. ucheb. i nauch. zap.*, geod. i aerof. no. 5 131-134 '66.
Twenty-first Students' Conference of the Moscow Institute of Geodetic, Aerial Survey, and Cartographic Engineers. *Izv. vuz. ucheb. i nauch. zap.*, geod. i aerof. no. 5 128-131 '66.

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] *Blul. Ispol. kom. Mosk. gor. sov.* no. 10 My '67.

MOSCOW—PUBLISHERS AND PUBLISHING

True friends of the press. *Sov. profsoyuz* 23 no. 8:21-23 Ap '67.

MOSCOW—REFRIGERATION AND REFRIGERATING MACHINERY

Obligations of the personnel of the Moscow "Compressor" Plant. *Khol. tekhn.* 11 no. 5 4 My '67.

MOSCOW—SOCIALEST COMPETITION

The Moscowites' contributions to the celebration of the 50th anniversary of the Great October. V. Krest'ianinov. *Sov. profsoyuz* 23 no. 8 8-10 Ap '67.

MOSCOW—STANDARDIZATION—CONGRESSES

Address of the Congress in Moscow. S. I. Sladkovskii. *Stand. i kach.* 31 no. 4 22-23, 25, 42, 60, 71, 74, 86, 88, 95 Ap '67.

MOSCOW—STEEL INDUSTRY

The building of communism is in our hands. A. Vasil'ev. *Agitator* no. 12 17-30 N '61.

MOSCOW—TEACHERS, TRAINING OF

The work and worries of the Institute for the Improvement of Teachers' Qualifications. V. A. Gavrilov, and others. *Vest. vuz. shkoly* 25 no. 5:89-91 My '67.

MOSCOW—TEACHING—AIDS AND DEVICES

Experimental testing of the system of equipment in the secondary schools of general education. G. V. Gasilov, O. N. Mel'nichenko, S. G. Shapovalov. *Sov. pedagog.* 31 no. 5 92-97 My '67.

MOSCOW—TECHNOLOGY

Tolpygo, M. F. [Horizons of the new]. *Gorizonty novogo*. [Moskva] Mosk. radiochit., 1967. 76 p.

MOSCOW—VEGETABLE TRADE

The capital waits for high-quality fruits and vegetables. L. Derzhin. *Zakup. sel'khoz. prod.* no. 3 11-17 Mr '67.

MOSCOW—VOCATIONAL EDUCATION

Visual teaching aids; experience and problems. G. Smirnov. *Prof. i tekhn. obr.* 21 no. 3 14-15 Mr '67.

MOSCOW—WAGES—CLOCKMAKING AND WATCH-MAKING

Year of search and experiments. N. Volkov. *Nar. khoz. Kazakh.* 25 no. 4 18-23 Ap '67.

MOSCOW—WASHING POWDERS

Pneumatic transportation of cyclone dust. V. M. Drobov, V. Kh. Paronjan, N. M. Kafuev. *Mosk. zhurn. tekhn. i stroit.* 33 no. 3 34-36 Mi '67.

MOSCOW, BATTLE OF, 1941-1942

Around Moscow in December, 1941. Tyllsnab. *Sov. voen. sil* 27 no. 12:22-23 D '66.
By fire and by battering ram. N. Shtyov, Kryl, red. 17 no. 12:2-3 D '66.

By skill and courage. I. M. Kholodov. *Sov. voen.* 48 no. 23 6-7 D '66.

Destruction of Hitler's second Air Force around Moscow. D. D. Gorbatenko, I. A. Fridman. *Vost. protivovoza*, obor. no. 10:90-95 O '66.

The heart of our native land is saved. D. D. Lelushenko. *Sov. voen.* 48 no. 23 1-3 D '66.

Immortality. V. Shtyrilacv. *Tekhn. i voen. razv.* 25 no. 12: 16-17 D '66.

In defense of the capital. V. D. Sorozin. *Vest. protivovoza*, obor. no. 12:79-83 D '66.

Sky sentries of the fatherland. E. P. Katolnikov. *Vest. protivovoza*, obor. no. 4 91-92 Ap '67.

Subducing the "Typhoon." *Tekhn. i voen. razv.* 25 no. 12:6-15 D '66.

Victory around Moscow. N. Kravtsov, L. Sorochenko. *Tylnab. Sov. voen. sil* 27 no. 11 8-13 N '66.

MOSCOW PROVINCE—AGRICULTURE

At the very boundaries of the city. M. Davydov. *Mosk. komm.* no. 5 61-65 '67.

MOSCOW PROVINCE—AGRICULTURE—GRAPHIC METHODS

Graphic method of calculating planned yielding capacity. M. Rumiantsev. *Ekonom. sel'khoz.* 42 no. 5 72-76 '67.

MOSCOW PROVINCE—COLLEMBOLA

Species and seasonal population dynamics of Collembola in a spruce-oak forest. A. I. Botslov. *Zool. zhurn.* 46 no. 4:501-510 Ap '67.

MOSCOW PROVINCE—COMMUNIST EDUCATION

Meditations of rural propagandists. V. Lysenskii. *Agitator* no. 24:38-42 D '61.

MOSCOW PROVINCE—ECONOMIC CONDITIONS

To new achievements of labor. A. Orlov. *Komm. Ukr.* 41 no. 5:53-57 My '67.

MOSCOW PROVINCE—FERNS

Occurrence of *Polypodium vulgare* L. in Moscow Province. V. V. Petrov, V. P. Safonov. *Bot. zhurn.* 52 no. 5:684 My '67.

MOSCOW PROVINCE—HOUSING MANAGEMENT—ACCOUNTING

Centralizing accounting in housing management. M. Boiko. *Bukh. uch.* 26 no. 5:44-48 My '67.

MOSCOW PROVINCE—INSURANCE, SOCIAL—EMPLOYEES

Search for the new. M. Shishalovskii. *Sots. obshch.* 42 no. 4:24-28 Ap '67.

MOSCOW PROVINCE—MILK TRADE

The route farm-counter. O. Lubechenko. *Zakup. sel'khoz. prod.* no. 2 36-38 F '67.

MOSCOW PROVINCE—NAMES, GEOGRAPHICAL

Solntsev, N. A., ed. [The entire Moscow area, geographical dictionary of Moscow Province]. *Vse Podmoskov'e, geograficheski slovar' Moskovskoi oblasti*. Moskva, Mysl', 1967. 381 p. illus., map.

MOSCOW PROVINCE—PASTURES AND MEADOWS

Means for improving natural forage lands. A. Enukov. *Ekonom. sel'khoz.* 42 no. 5 77-83 '67.

MOSCOW PROVINCE—PAYMENT

On speeding up payments. L. Kats, T. Molodtina. *Den. i kredit* 25 no. 5 22-21 My '67.

MOSCOW PROVINCE—RURAL ELECTRIFICATION

Development and remodeling of rural electrical power networks in Moscow Province. F. Kazmirenko. *Tekhn. i sel'khoz.* 27 no. 5 39-41 '67.

MOSCOW PROVINCE—SALVAGE (WASTE, ETC.)

Improve the procurement and use of reclaimed materials. A. Nasakin. *Mosk. tekhn. snabzh.* 2 no. 5 81-83 My '67.

MOSCOW PROVINCE—SANATORIALS—EMPLOYEES

Reward for the best ones is an incentive to all. V. Udmurtsev. *Sov. profsoyuz* 23 no. 8:45-46 Ap '67.

MOSCOW PROVINCE—STUDENT ACTIVITIES

A school technological society. M. S. Zhokhov. *Shkola i proizvod.* 11 no. 5 50 My '67.

MOSCOW REGION—VEGETABLES—STORAGE

Encourage the storage of vegetables and potatoes at the place of production. V. Churilov. *Zakup. sel'khoz. prod.* no. 3:34-35 Mr '67.

MOSKOVKO (NOVOSIBIRSK PROVINCE)—COOPERATIVE SOCIETIES—MANAGEMENT

Personal labor contribution. *Sov. potrebn. kooper.* 11 no. 4 6-8 Ap '67.

MOSQUITOES see subdivision under Caucasus, Northern; Moscow

MOSQUITOES—BIOLOGICAL CONTROL

Data on the biological effect of the ionizing radiation of cobalt (Co⁶⁰) on the preimaginal stages of the mosquito *Culex pipiens pipiens* Linn. E. S. Kogal, M. K. Kadyrova, Z. P. Shcherban'. *Dokl. AN Uz. SSR* 23 no. 8 44-46 '66.

MOSQUITOES—CLASSIFICATION see subdivision under Moscow

MOSSSES

Some characteristics of the growth and development of protonema of *Funaria hygrometrica* Hedw. A. P. Kovalenko. *Ukr. bot. zhurn.* 24 no. 3 13-17 My-Je '67.

MOTHERS

The Mikhailovs; a sketch. A. Khaikonenova. *Sem'ia i shkola* 22 no. 5:18 My '67.

MOTION

Finite displacements of a solid under the action of a rotation of internal flywheels and advancing movement of masses. V. G. Aver'yanova, F. M. Dimenbergh. *Mekhn. i aerofiz.* 3 no. 2 3-11 Mr-Jp '67.

Motion stability of a two-mass vibratory-percussion system with a single-sided excitation. I. A. F. Vainikof. *Prikl. mekh.* 3 no. 5:114-120 My '67.

Restricted motion of a load in a resisting medium. V. I. TSatskis. *Shor. trud. Novosib. prav. NTORIE* no. 2:72-76 '62.

Stability of an unsteady motion during a given time interval. A. A. Martynuk. *Prikl. mekh.* 3 no. 5: 121-125 My '67.

MOTION-PICTURE CAMERAS

Resolving power of variable focus lenses for 8 mm cameras. V. N. Mel'nikov and others. *Tekhn. kino i telev.* 11 no. 4:50-55 Ap '67.

MOTION-PICTURE PHOTOGRAPHY

A new motion picture photography style. A. D. Golovina. *Tekhn. kino i telev.* 11 no. 4:24-25 Ap '67.

Plasticization of acetylcellulose base of a film. G. I. Braginetskii, N. I. Volynkin, A. M. Mordkhelevich. *Tekhn. kino i telev.* 11 no. 4:14-18 Ap '67.

Use of the method of geometrical optics in estimating the distorsibility of cinematographic pictures. E. V. Trifonova. *Prikl. geom. i inzh. graf.* no. 3:72-80 '66.

Varileanomorphic optics for varileoscopic cinematography. V. G. Komar, A. G. Bolitsenskii, F. S. Novik. *Tekhn. kino i telev.* 11 no. 4:3-13 Ap '67.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

(see also subdivision under United States)

- Film sizes N.D. Bernshtein Tekhn. kino i telev. 11 no 157-67 Ap '67
PK-4 panel for filming F.R. Gushkina, V.N. Son'ko Tekhn. kino i telev. 11 no 578-80 My '67
UKA-T-66 duplicator operating with edge notches on image negative A.I. Trigubov Tekhn. kino i telev. 11 no 170-72 Ap '67

MOTION-PICTURE PHOTOGRAPHY—FILMS

- Motion-picture film and its photographic processing Tekhn. kino i telev. 11 no 5-92-93 My '67
Neutralization of static electricity charges during the production of motion picture films L.G. Gross and others Tekhn. kino i telev. 11 no 530-38 My '67
Study of the shape of characteristic curves of motion-picture photographic materials G.S. Baranov, F.I. Klumova Tekhn. kino i telev. 11 no 561-65 My '67

MOTION-PICTURE PLAYS

- At time of trouble and hope V.I. Bantlin Sov. voen. 48 no 2332-33 D '66

MOTION-PICTURE PLAYS—HISTORY AND CRITICISM

- Who needs this? V. Frolova Oktabr. 44 no 21191-193 P '67

MOTION-PICTURE PROJECTORS

- Continuous film holder A.I.A. Kugerman, L.G. Tarasenko Tekhn. kino i telev. 11 no 56-15 My '67
Diagram for switching in the electric motor of the KPT-1 motion-picture projector V.A. Silaev Tekhn. kino i telev. 11 no 588 My '67

MOTION-PICTURE STUDIOS see subdivision under Paris

MOTION PICTURES

- In the Technical Council of the Committee on Motion Pictures Tekhn. kino i telev. 11 no 593-94 My '67
Motion-picture stories on progressive experience, Agitator no. 11:83 Ja '61
New films about V.I. Lenin S. Chokanov, Agitator no. 6:61-62 Mi '61

MOTION PICTURES—ABSTRACTS

- Filming and projection of motion pictures Tekhn. kino i telev. 11 no 588-89 My '67

MOTION PICTURES—PLOTS, THEMES, ETC.

- Motion-picture stories on progressive experience, Agitator no. 11:83 Ja '61

MOTION PICTURES—PRODUCTION AND DIRECTION

- What is a producer? V. Khramov Sov. rad. i tel. 16 no. 1:15-16, 38 Ja '67

MOTION PICTURES—STANDARDS

- Program of the 8th meeting of the International Organization of Standardization N.D. Bernshtein and others Tekhn. kino i telev. 11 no 567-73 My '67
Seventh Session of the General Assembly of the International Organization of Standardization in Moscow Tekhn. kino i telev. 11 no 566 My '67

MOTION PICTURES, DOCUMENTARY

- The document and art, Barnankulov, Sov. radio i tel. 16 no 414-16 Ap '67
From photography to motion pictures A. Murkin, Neftianik 12 no. 438-39 Ap '67
Keeping documentary motion pictures, photographs, and phonographs records in state archives L.M. Roshal' Sov. arkh. no 276-78 '67
Problem of the evaluation and selection of documentary motion pictures, photographs, and phonograph records Sov. arkh. no 271 '67
Yes, this is an important problem! L.N. Bol'shakov Sov. arkh. no 271-75 '67

MOTION PICTURES, TALKING—EQUIPMENT AND SUPPLIES

- Unit for the reduction of noise in sound tracks I.U. M. Orlov Tekhn. kino i telev. 11 no 525-29 My '67

MOTION PICTURES AND TELEVISION

- Alliance of two screens, L. Hogan, A. Gapontseva, G. Tomilin, Sov. radio i tel. 16 no. 432-35 Ap '67

MOTION PICTURES IN EDUCATION

- Modeling of natural processes in educational motion pictures, E.V. Aleksandrov, Vest. vyzh. shkoly 25 no. 5:35-37 My '67
New filmstrips Prof. -tekh. obr. 24 no. 4:31 Ap '67
Use of technical teaching aids during lessons in social science, I. Eidel'man, Prof. -tekh. obr. 24 no. 3:23-24 My '67

MOTION PICTURES IN MINING

- Separation of rocks during the blasting process in preparing complex working faces G.G. Leonov, Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no 51:83-88 '65

MOTION PICTURES IN VIOLOGY

- On the edge of life, I. Ershov, Priroda no 4:117-120 Ap '67

MOTION STUDY

- Establishing norms for manual operations, V.A. Dobrina, Vest. IGU 22 no 544-51 My '67

MOTOR VEHICLE DRIVERS

- Using programmed instruction L. Alet'sandrov Avt. transp. 45 no 581-83 My '67

MOTOR VEHICLES

- (see also subdivision under Czechoslovakia)
Inter-cycle work synchronization of operators of TO-1 motor vehicle continuous lines V.A. Sorokin, Nauch. i tekhn. voprosy no 5:80-86 '66
Klenikov, V.M., and N.M. Il'in. [Manual for the driver of the first class] Uchebnykh sholera pelyogo klassa. Izd. 2., perer. Moskva, Transport, 1966. 394 p.

MOTOR VEHICLES—AXLES

- Dynamic stresses in the semiaxle of a motor vehicle, P.M. Kichayev, A.Sh. Asatryan, B.I. Ogurtsov Avt. transp. [Kiev] no 3158-163 '66

MOTOR VEHICLES—BRAKES

- Investigating the performance of the hydraulic drive for motor vehicle brakes at low temperatures, P.G. Filatov, Avt. prom. 33 no. 518-19 My '67
Optimum braking conditions of a motor vehicle with a recuperative brake L.L. Gvetslani, Soob. AN Gruz SSR 46 no 1162-174 Ap '67
Unit for brake service V. Zinov'ev Avt. transp. 45 no 532-33 My '67

MOTOR VEHICLES—CLUTCHES

- Experimental investigation of temperature conditions of the clutch of the "Moskvich" automobile, I.N. Gorelov, I.U. A. Echeistov, O.I. Karuzin Avt. prom. 33 no. 5:25-27 My '67

MOTOR VEHICLES—COLD WEATHER OPERATION

- Lozavio, G.S. [Wear caused by starting of motor-vehicle engines at low temperatures] Puskovye iznosy avtomobilnykh dvigatel' pri nizkikh temperaturakh. Moskva, Transport, 1967. 53 p.
Starting at any frost, R. El'rov Izob. i rats. no. 116 N '66

MOTOR VEHICLES—DYNAMICS

- Dynamic factor of a motor vehicle considering properties of a wheeled vehicle, V.A. Petrushev, Avt. prom. 33 no. 5:14-17 My '67
Investigating the process of ascending movement of a motor vehicle with front driving wheels, A.M. Golomudov and others Avt. transp. [Kiev] no 309-193 '65

MOTOR VEHICLES—ELECTROMECHANICAL ANALOGIES

- Electric modeling of dynamic processes in the transmission of transportation vehicles, V.A. Ivanov and others, Izv. vuz. ucheb. zav. mashinostr. no. 3:81-86 '67

MOTOR VEHICLES—ENGINES

- Bleiz, N.G. [Motor-vehicle carburetors, gasoline pumps, and filters] Avtomobil'nye karburatory, benzinazasosy, fil'try. Moskva, Voenizdat, 1967. 158 p.
High-speed durability tests of engines, I.B. Gushvich, A.P. Egorova, I.U. M. Panov, Vest. mashinostr. 17 no. 5:16-22 My '67
Investigating the durability of the cylinder block of the ZII-130 engine, I.E. Dinnin, V.I. Presiman, B.U. Strizhenko, Avt. transp. [Kiev] no 361-65 '66

MOTOR VEHICLES—FRAMES

- Gurman, V.S. [Repair of motor-vehicle frames] Remont avtomobil'nykh ram. Moskva, Transport, 1967. 98 p.

MOTOR VEHICLES—FUEL CONSUMPTION

- Devices for measuring fuel consumption and rarefaction in the suction piping of a motor-vehicle engine L.S. Prikhodko, N.M. Kosirev, A.A. Shcherbak Avt. transp. [Kiev] no 339-42 '66
Effect of the type of governor on the fuel on the fuel-saving capacity of a motor vehicle operating under unsteady loading conditions, V.I. Shostukhin, Avt. prom. 33 no. 5:35-37 My '67

MOTOR VEHICLES—IGNITION

- Glozer, G.N., I.M. Oparin, and E.L. Kheiman. [Electronic ignition systems for motor vehicles] Elektronnye sistemy zazhiganiya avtomobiley. Moskva, Mashinostroenie, 1967. 158 p.

MOTOR VEHICLES—INSPECTION

- Annual inspection Avt. transp. 45 no. 5:30-32 My '67

MOTOR VEHICLES—LUBRICATION

- Effect of the oil filtration systems on the characteristics of lubricating medium of motor-vehicle engines N.V. Aseev and others, Avt. transp. [Kiev] no 355-60 '66
Testing oil quality in operation, A. Skolov, B. Shatalov, Avt. transp. 45 no 5:35-37 My '67

MOTOR VEHICLES—MAINTENANCE AND REPAIR

- (see also subdivision under Alma-Ata; Donetsk Basin)
Repair in the east-iron head of the block A. Morozov Avt. transp. 15 no 510-41 My '67
Repairing block heads A. Lysov Avt. transp. 45 no 5:43 My '67
Repairing the bracket of the gear-shifting shaft A. Voskresenskiy Avt. transp. 45 no 554 My '67
Transistorized motor-vehicle checker, I.A. Romanov, Izob. i rats. no. 1112 N '66

MOTOR VEHICLES—NOISE

- Seminar on the reduction of noise of engines, motor vehicles, and tractors, A.G. Zubakin, G.V. Latyshev, V.E. Tol'skii, Avt. prom. 33 no. 5:39-40 My '67

MOTOR VEHICLES—PARTS

- X-ray diffraction measurement of mechanical stresses in motor vehicle parts, I.A. E. Sanchuk, T.G. Rassa, T.L. Pankova, Avt. prom. 33 no. 5:27-28 My '67

MOTOR VEHICLES—SPRINGS AND SUSPENSIONS

- Laboratory and field investigations of the strength of a torsion bar P.M. Kichayev, B.I. Ogurtsov Avt. transp. [Kiev] no 3152-157 '66

MOTOR VEHICLES—TIRES

- Cohesion of tires caused by the driving of a motor vehicle on dry sand, I.U. E. Sharikyan, S.G. Vol'skii, Avt. prom. 33 no. 5:23-24 My '67

MOTOR VEHICLES—TRANSMISSION DEVICES

- Analytical determination of starting time and course of motor vehicles with single-hydraulic torque converters B.B. Genhom, V.A. Dem'yanuk Avt. transp. [Kiev] no 3131-138 '66

- Damping torsional vibrations of gearboxes by means of floating supports, E.S. Gorbatov and others, Izv. vuz. ucheb. zav. mashinostr. no. 3:90-94 '67

- Determining relations of gear ratios of the two-range master transmission of motor vehicles P.I. Shumilakovskii Avt. transp. [Kiev] no 3125-130 '66

- Dynamics of the movement of reactor and flywheel in inertia torque converter, V.V. Zai'shchikov, Izv. vuz. ucheb. zav. mashinostr. no. 3:95-99 '67

- Effect of the design of gearboxes on the gear-shifting process, A.I. Baryovskii, S.T. Pavlenko, Izv. vuz. ucheb. zav. mashinostr. no. 3:86-90 '67

- Effect of the type of pavement and loading of a motor vehicle on the wear of main transmission V.M. Shunin, Avt. transp. [Kiev] no 343-48 '66

- Establishing technical condition of power transmission units of a motor vehicle N.A. Gououshchenko, A.V. Gogalzel', Avt. transp. [Kiev] no 349-54 '66

- Investigating the effect of the two-range master transmission on the average operating speed of a motor vehicle P.I. Shumilakovskii Avt. transp. [Kiev] no 3118-124 '66

- Resistance to shearing as an index of wear resistance of cast-iron distributing shafts of motor-vehicle and tractor engines I.U. A. Leishin, A.M. Petrichenko, L.A. Solntsev Avt. transp. [Kiev] no 381-87 '66
Reversing a drive with a hydraulic torque converter, A.N. Narbut, Avt. prom. 33 no. 5:11-14 My '67

MOTOR VEHICLES—VIBRATION

- Experimental investigation of the vibration of motor vehicles with V-shaped six-cylinder engines, A.I.A. Tarasov, Avt. prom. 33 no. 5:56-60 My '67
Solving the problem of vertical vibrations of a motor vehicle V.V. Putiatin Avt. transp. [Kiev] no. 3163-176 '66
Using electric modeling in investigating vibrations of a motor vehicle, N.G. Drozdov, V.D. Ol'ink, V.N. Cherevan', Avt. transp. [Kiev] no 3177-190 '66

MOTOR VEHICLES—WHEELS

- Determining the radius of the rolling of a motor vehicle wheel driven on an undistorted surface I.U. P. Boroznitskiy, Avt. transp. [Kiev] no 3116-151 '66
Determining the radius of the rolling of a motor-vehicle wheel with an elastic tire on a rigid surface V.I. Zadorozhnyi, Avt. transp. [Kiev] no. 3191-195 '66

MOTORBUS INDUSTRY see subdivision under Hungary

MOTORBUS TERMINALS see subdivision under Alma-Ata, Chelyabinsk; Omsk

MOTORBUSES—BRAKES

- Energy storage of brake mechanisms of the LAZ-605E motorbuses on mountain routes, B.B. Genhom and others Avt. transp. [Kiev] no 3104-108 '66

MOTORBUSES—EQUIPMENT AND SUPPLIES

- The 500-002 cash boxes, V. Tikh Avt. transp. 45 no 5:24-25 My '67

MOTORBUSES—SEATS

- Electrostatic percussive welding of the frames of motorbus seats, S.M. Lashchiver, Avt. prom. 33 no. 5:31-33 My '67

MOTORCYCLE INDUSTRY—MANAGEMENT see subdivision under Minsk

MOTORCYCLE INDUSTRY WORKERS see subdivision under Kiev

MOTORCYCLES—TESTING

Analysis of unguided and guided bicycle and motorcycle, *Iz V. I. Nemnik, N. A. Fufayev, Mekh. i fiz. t. 1 no. 2 12-14 Mr.-Apr. '67.*

MOTORLESS FLIGHT see Gliding and soaring

MOTORTRUCKS

Analysis of trucks for agriculture, *N. Polunin, Tekh. v sel'sk. zh. no. 4 19-21 '67.*

MOTORTRUCKS—COLD WEATHER OPERATION

Warning motor trucks, *H. Dolomyslov, Tekh. v sel'sk. zh. no. 4 76 '67.*

MOTORTRUCKS—FUEL SYSTEMS

Improving the loading centrifugal governor of fuel pressure, *K. E. Bulgakov, V. I. Kovalev, Trakt. i sel'sk. khoz. mash. st. no. 5 7-8 My '67.*

MOTORTRUCKS—MAINTENANCE AND REPAIR

Improving the beam of a frontal axle, *P. Bih, Tekh. v sel'sk. zh. no. 6 83 '67.*
Improving the hub of a rear wheel, *Z. Poz, Tekh. v sel'sk. zh. no. 6 76 '67.*

MOTORS

Analytic calculation of parameters of spring-actuated motors with a spiral driving spring, *V. F. Zankovets, G. I. Pustovchenko, V. K. Iankelovich, Mash. i elekt. stroit. no. 5 19-22 '67.*

MOUNDS see subdivision under Taman Peninsula

MOUNTAIN WAVE

Methodology for calculation of vertical velocities taking into account orography, *I. V. Chugovadze, Mirosl. i fiz. t. no. 1 56-62 Ap '67.*

MOUNTAINS

Mountains and climate of the earth, *Izvestiya no. 5 100-101 '67.*

MOUSE-EAR CRESS—GENETIC RESEARCH

Hereditary genetics of *Atalapha thaliana* (L.) Heynh., Report No. 2 Survival and fertility of G₂-generation after irradiation of dominant nuclei, *V. I. Ivanov, A. V. Sushin, E. A. Timofeeva-Renovskaya, Genetika no. 5 25-23 My '67.*

MOVEMENT (PHYSIOLOGY)

Electrical potential of the anterior spinal cord in a complex motor index of locomotion reflex activity, *H. B. Igumov, Fiziol. zhur. no. 5 526-534 My '67.*
The role of the "sensory" and "motor" mechanisms in the regulation of the mechanism of the hand, *Izvestiya no. 5 100-101 '67.*

MOZYU DISTRICT—ANTIQUITIES

A bone upon with the sign of the Murik Dynasty, *V. I. Tarkov, Sov. arkheol. no. 2 250-252 '67.*

MUCOUS MEMBRANE

Role of glycoproteins and neutral amino acid in the mucous membrane of the stomach and intestines, Report No. 1, *A. A. Mironovskanin, Zhur. telet. i klin. med. 7 no. 1: 25-32 '67.*

Role of the hypophysis in the regulation of secretion and trophic function of the gastric mucosa, *S. M. Lipovskii, V. Sh. Zichik, Pat. fiziol. i eksp. terap. II no. 1 67-68 Jr.-I '67.*

MUCOUS MEMBRANE—BIOPSY

Structure of gastric mucous membrane in healthy persons and young patients with gastritis, based on data of aspiration biopsy, *I. B. Berlin, V. I. Kulakov, I. G. Shteyn, Arkh. anat., gist. i embri. 52 no. 5 57-63 My '67.*

MURICH, FERENC, 1880-

A soldier of the revolution, *István Bertalan, Sov. voen. 45 no. 11 16-17 Jr. '67.*

MUGAN STEPPE—WATER, UNDERGROUND

Determining the extent of the recharge of the aquifer from the data of the groundwater level in the northern Mugan Steppe, *A. K. Alimov, Za tekhn. prog. 7 no. 2 35-38 Jr. '67.*

MUGODZHAR HILLS—ASBESTOS

Mugodzhah Hills as a new anthophyllite-asbestos province, *A. S. Salimov, G. I. But, B. R. Miletskii, Vest. AN Kazakh SSR 23 no. 4 68-69 Ap '67.*

MUGODZHAR HILLS—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of metamorphic formations in the Southern Mugodzhah Hills, *A. A. Abdulin, M. A. Kanyanov, Izv. AN Kazakh SSR, Ser. geol. 24 no. 3 3-12 Jr.-Je '67.*

MUGODZHAR HILLS—KERATOPHYRES

Petrography of the Carboniferous spilite-keratophyre formation of the Mugodzhah fold area, *O. K. Ksenofontov, Uch. zap. Ped. inst. Gerts. 290 161-190 '66.*

MUGODZHAR HILLS—MANGANESE ORES

Gavrilov, A. A. [Manganese volcanic-sedimentary complex of the Ordovician of the Southern Urals and the Northern Mugodzhah Hills] Manganisensnyy vulkanogenno-osadochnyy kompleks ordovika Uzhnogo Urals i Severykh Mugodzhah, Moskva, Nauka, 1967 111 p illus (Akademiya nauk SSSR Geologicheskii institut, Trudy, no. 169)

MUGODZHAR HILLS—PETROLOGY

Petrography of the Carboniferous spilite-keratophyre formation of the Mugodzhah fold area, *O. K. Ksenofontov, Uch. zap. Ped. inst. Gerts. 290 161-190 '66.*

MUGODZHAR HILLS—ROCKS, IGNEOUS

Alkali intrusions of the Mugodzhah Hills and the Turgay Depression, *O. K. Ksenofontov, Uch. zap. Ped. inst. Gerts. 290 140-160 '66.*

MULBERRY—GENETIC RESEARCH see subdivision under Azerbaijan

MULBERRY—VARIETIES see subdivision under Aphelion Peninsula

MULTIVIBRATORS

Analysis of errors of a transistorized voltage-to-frequency converter, *H. I. Shvetzki, IU V. Ruzvich, G. V. Taranov, Kont. izm. tekhn. no. 3 49-52 '66.*

MUNICH—UNEMPLOYED

Report from a Munich doss house, *Ludwig Fischer, Soz. obrat. 42 no. 1 62-63 Ap '67.*

MUNICIPAL ENGINEERING

Inadequacies in planning of engineering requirements in preparing general plans for cities, *V. Kataev, Zhil. stroit. no. 11 20-22 '66.*

MURAL PAINTING AND DECORATION

Heart and truth together, *N. Overina, Sov. voen. 49 no. 2 41 Jr. '67.*

MURAMIDASE

Factors of natural protection of the body in brucellosis, Report No. 1 Effect of vaccinal and infectious process in brucellosis on the content of lysozyme in the animal body, *N. A. Gekova, Zhil. mikrobiol. i epid. i immun. 44 no. 5 42-44 My '67.*

Infection of lysozyme with isolated DNA from bacteriophage T7, *V. V. Danilichenko, Genetika no. 5 122-21 My '67.*

Isolation and composition of lysozyme subunit from bacterial cells, *K. A. Karginova, Antibiotiki 12 no. 5 107-110 My '67.*

Isolation and purification of lysozyme by fractionation in chitin-containing column, *I. A. Cherkasov, N. A. Kravchenko, E. D. Kaverzova, Mol. biol. 1 no. 1 11-40 Jr.-I '67.*

Photooxidation of lysozyme in the presence of methylene blue and isolation of modification products, *N. A. Kravchenko and others, Mol. biol. 1 no. 1 47-51 Jr.-I '67.*

Study of the relationship between the formation of enzyme-substrate complex of lysozyme with chitin and the conditions of environment, *I. A. Cherkasov, N. A. Kravchenko, Mol. biol. 1 no. 3 391-390 My.-Ic '67.*

MURAMIDASE, EFFECT OF RADIATION ON

pH dependence of the activity of native and γ-irradiated lysozyme, *V. I. Mksimov, V. I. Osipov, E. D. Kaverzova, Izv. AN SSSR, Ser. khim. no. 5 1165-1166 My '67.*

MURDER

Determination of premeditated murder and serious bodily harm, *S. Oikhetko, I. Rubinstein, Soz. zakon. no. 5 44-17 My '67.*

"The spider" (to be concluded), *V. Moskvitin, Sov. iust. 31 no. 10 28-29 My '67.*

MURDOCH, IRIS

Eccentric heroes of Iris Murdoch, *V. Skorodenko, V. m. i. knig. no. 3 34-35 '67.*

MURGAB VALLEY—DELHI BOIL

Natural foci of cutaneous leishmaniasis in Tedzhen and Murgab interfluvium, *I. A. Dubrovskii and others, Zool. zhur. 46 no. 4 472-480 Ap '67.*

MURMANSK—AIRGLOW

Frequency of the appearance of auroras in Murmansk in the years of the maximum and minimum of solar activity, *L. N. Mal'ko, Geom. i aer. 7 no. 1 78-82 '67.*

MURMANSK COAST—KELP

Ecology of *Laminaria saccharina* (L.) Lamour. in the sublittoral zone of Varnyshnaya and Zelentskaya Bays, eastern Murmansk Coast, *A. R. Ginzburg, Bot. zhur. 52 no. 5 675-683 My '67.*

MUSCLE

Circular dichroism and dispersion of optical rotation of muscle phosphorylase b, *I. M. Tolchinskii, N. B. Litvinova, V. I. Pukhalsky, Mol. biol. 1 no. 1 28-34 Jr.-I '67.*

MUSCLES

Device for programmed muscle stretching and recording of the response with semiconductor transmittance amplifier, *R. V. Grigoriy and others, Fiziol. zhur. 53 no. 5 548-600 My '67.*

Effect of changes in calcium concentration on the membrane potential connection in muscle fibers, *T. N. Oniani, S. V. Dzhubladze, A. A. Ungladze, Fiziol. zhur. 53 no. 5 557-562 My '67.*

Interaction of acetylcholine with the conchoidal substrate of the muscles, *S. S. Oganesian, Vop. med. khim. 13 no. 1 227-239 My.-Je '67.*

MUSCLES—INNERVATION

Convergence in the sensory fields of the posterior crescents of the spinal cord following stimulation of muscular afferent nerves, *A. M. Mamodova, A. A. Oganesian, Bul. eksp. biol. i med. 63 no. 6 8-11 Jr. '67.*

Enzymatic transformations of NAD in cellular fractions of skeletal muscles under normal conditions and following denervation, *V. I. Telepneva, Vop. med. khim. 13 no. 3 242-247 My.-Je '67.*

Morphological changes of neural conductors and their endings in muscular trichinosis and their participation in the innervation of capsules; experimental study, *E. V. Percherova, Med. par. i par. bol. 36 no. 2 205-209 Mr.-Ap '67.*

Petrography of the muscular nerves of the posterior region of the human forearm, *R. N. Alieichenko, Khim. khim. no. 3 48-53 Mr. '67.*

MUSCOVITE

Temperatures of formation of muscovite, *A. S. Nikanorov, I. I. Mikhailov, Zap. Vses. min. ob.-va. 86 no. 2 162-169 '67.*

MUSEUM TECHNIQUES

Exhibition experiences at the Central Exhibition Hall in Moscow, 1957-1961, *N. V. Voronov, Trudy NHM no. 14 106-125 '65.*
The first study group of artists and decorators of museums of local history held in Moscow, *T. K. Strizhenova, Trudy NHM no. 14 190-192 '65.*

Problems of artistic layouts of exhibitions at museums at the present stage, *A. I. Mikhailovskaya, Trudy NHM no. 14 5-46 '65.*

Procedures and methods of artistic layouts of exhibitions in museums, the first conference of museum workers, artists and decorators held in Leningrad, *P. G. Kudelin, Trudy NHM no. 14 193-201 '65.*

MUSEUMS see subdivision under Kurgan Province

MUSHROOMS see subdivision under Ukraine

MUSIC—HISTORY AND CRITICISM

Goldshtein, M. L. [How V. I. Lenin loved music] O tom, kak V. I. Lenin lyubil muzyku, Leningrad, Muzyka 1967, 165 p. (Populnaya ocherki dlya detei srednego vozrasta)

Khentova, S. M. [Musicians talk about their art] Muzykanty o svoem iskusstve, Moskva, Sov. Rossiya, 1967, 125 p.

Nesl'ev, I. V. [On the frontier of two centuries; sketches of foreign music of the late 19th and early 20th century] Na rubezhe dvukh stoletii; ocherki o zarubezhnoi muzyke konca XIX-nachala XX veka, Moskva, Muzyka, 1967, 107 p. (Universitetnaya kul'tura)

MUSIC, ARMENIAN

Khachatur Erzurumel as a theorist of medieval Armenian music, *N. K. Takmizian, Vest. obshchestv. nauk AN Arm. SSR no. 11 66-74 N '66.*

MUSIC IN INDUSTRY

New role of music, *A. Perrote, Sov. radio i tel. 16 no. 5 19 My '67.*

MUSICAL INSTRUMENTS

Organikon, "R. Shakhnazarian, Izobr. i rats. no. 4 38-39 '67.

MUSK

Musk ambrette purification by means of zone melting, *A. I. Golovin and others, Vest. Mosk. un. Ser. 2 Khim. 22 no. 2 39-43 Mr.-Ap '67.*

MUSKRATS—PARASITES see Parasites—Muskrats

MUSSELS

(see also subdivision under Black Sea)

Mechanized line for catching and initial processing of mussels on SChS-type ships, *A. V. Terent'ev and others, Trudy VNIRO 59 70-51 '66.*

MUSTARD GAS—PHYSIOLOGICAL EFFECT

Effect of "leofas" on the function of liver mitochondria in white rats, *A. N. Rarumovich and others, Vestsi AN BSSR, Ser. biol. nav. no. 2 105-108 '67.*

NECROSIS, BACILLARY

Pathology in necrobacillosis of reindeer. B. V. Masluchin, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:5-9 '66.

Effect of tissue biostimulators in the experimental necrobacillosis of reindeer. A. M. Sukov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:11-15 '66.

Presence of "distribution factors" in the pathogens of necrobacillosis in reindeer. A. Kh. Latshev, A. G. Masluchina, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:37-38 '66.

Effect of pasture conditions on the prophylaxis of necrobacillosis and bronchopneumonia in reindeer. V. S. Tachasov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:21-23 '66.

Forms of necrosis bacilly. Report No. 1. A. Kh. Latshev, A. G. Masluchina, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:33-35 '66.

NEFTYANYE KAMNI OIL FIELD—OIL WELL DRILLING

Investigating sinking of directional holes with small deflection in Neftyanaye Kamni and Gyzasvaya Sopka fields and ways to improve their completion. A. A. Azimov, M. G. Rasulov, Azerb. neft. khoz. 46 no. 4, 13-20 Apr '67.

NEFTYANYE KAMNI OIL FIELD—PETROLEUM WORKERS

Death of Uspov and his crew. S. Minukov, Neftianik 12 no. 5 25-26 May '67.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

An attempt to reconstruct a line in Nekrasov's poem M. L. Molchan Uch zap. Kozh. gos. ped. inst. no. 9 172-183 '63.

NEMATOCIDES—TESTING

Methodology for primary testing of soil nematocides. A. G. Tiemil, M. A. Skitarovskii, E. V. Shaidula, Khim. v sel'khoz. 5 no. 5:22-25 '67.

NEMATODA

(see also subdivision under Georgia)

Parasitism of Endotobia mactricola in some nematode species. R. I. Isatullayeva, Zool. zhur. 46 no. 4:615-617 Apr '67.

Population growth rate and body size of some nematodes-mycelophilous, cultivated on various fungi. I. M. S. Babayeva, E. K. Chumak, Zool. zhur. 46 no. 4:481-485 Apr '67.

Three new species of the genus Aphelenchoides Fischer, 1924 (Nematoda, Aphelenchoididae). A. S. Troshenko, Zool. zhur. 46 no. 4:617-620 Apr '67.

Use of mice infected with Ganguliterakis spumosa in experimental therapy of some nematodiasis. T. K. Kocopleva, Med. parazit. i parazit. bol. 36 no. 3:340-344 May-June '67.

NEOB'IAVLIAUSCHII, NIKOLAI MIKHAILOVICH

The breadth of his calling. I. Potlakhil, Tyl i enab. Sov. Voor. 27 no. 1:34-39 Jan '67.

NEODYMIUM—SPECTRA

Quantum yield of luminescence and energy yield of stimulated radiation in neodymium glass. N. M. Galaktionova and others. Dokl. AN SSSR 173 no. 6:1284-1286 Apr '67.

NEON

Determining the parameters of quenching processes and cross sections of step-by-step excitation for neon atoms. Part I: Configuration 2p⁶ns. E. G. Gnevysheva and others. Opt. i spekt. 22 no. 1:530-542 Apr '67.

NEOPENTYL COMPOUNDS

Purification of neopentyl glycol and trimethylolpropane by removing inorganic salts by means of ion exchange resins. D. M. Rudkovskii and others. Khim. prom. 42 no. 9:32-33 S '66.

NEOPRENE

Drying and activation of nitrile adhesive films by infrared rays. V. V. Belozub, M. P. Kuptanov, Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 2:135-140 '67.

NEORES see subdivision under Uzbekistan

NEPES, MOLLA, 1810?-1862?

Category of the beautiful in the aesthetic views of Molla Nepes. I. L. Sosonkin, Izv. AN Turk. SSR, Ser. obsh.-chestv. nauk. no. 1:32-42 '67.

NEPHELITE

(see also subdivision under Balkal Lake region)

Comparison of some variants of technological diagrams for the preparation of soda products from nepheline ores of the Klya-Shaltir deposit. A. A. Trilipovskii, Khim. prom. 42 no. 9:50-51 S '66.

Use of nepheline in K-Ar geochronometry. L. L. Shakhin, V. A. Konovalova, I. B. Ivanov, Izv. AN SSSR, Ser. geol. no. 5:10-30 May '67.

Use of tubular heat exchanger with a fluidized bed for the heating of nepheline pulp. I. I. Khvastukhin, A. T. Tishchenko, V. S. Sazhin, Khim. prom. 42 no. 6:56-57 June '66.

NEPHELOMETRIC ANALYSIS

Thiol-disulfide exchange in liquid thiocols studied by means of turbidimetric titration. A. E. Tavlin and others. Dokl. AN SSSR 174 no. 1:107-110 May '67.

NEREKHTA (KOSTROMA PROVINCE)—EVENING AND CONTINUATION SCHOOLS

In the town of Nerekhta there is a school. T. G. Chernikova, Vech. sred. shkola 10 no. 3:6-11 May-June '67.

NEROLIDOL

Cyclization of dihydronerolidol acetate as a method of synthesizing cyclic isoprenoids. A. V. Semenovskii and others. Izv. AN SSSR, Ser. khim. no. 5:1144-1146 May '67.

NERVES

Activity of neurons of somatosensory cortex in local poisoning with strychnine. V. M. Stoiuzhuk, N. I. Perfilova, Fiziol. zhur. 53 no. 5:479-487 May '67.

Neuronal organization of a focal epileptiform discharge. A. G. Sukhov, Fiziol. zhur. 53 no. 5:520-525 May '67.

Study of the synchronization of motoneuron discharges in man by means of crosscorrelation of differential electrical myograms. R. S. Pevson and others. Fiziol. zhur. 53 no. 5:488-495 May '67.

NERVES, SPINAL

Mechanism of disorders of the function of different segments of the spinal reflex arch in experimental gas gangrene. V. V. Mikhajlov, K. A. Kuz'mina, Pat. fiziol. i eksp. terap. 11 no. 1:38-43 Jan-Feb '67.

Sequence of activation of different spinal neurons under inhibitory influences. O. I. Pavlovskiy, Fiziol. zhur. [Ukr.] 13 no. 3:307-315 May-June '67.

NERVES, SPINAL—SURGERY

Catechol amines in the adrenal glands and blood in rats following denervation. N. A. Smazhova, I. V. Vasyuk, Pat. fiziol. i eksp. terap. 11 no. 1:50-63 Jan-Feb '67.

NERVOUS SYSTEM

Characteristics of the penetration of anticholinesterase compounds in the nervous system of Asiatic locusts. I. U. Mandel'shtam, Bul. eksp. biol. i med. 53 no. 6:71-73 June '67.

Cortical regulation of functions of the reticular formations of the brain. S. P. Naikashvili, Usp. sov. biol. 52 no. 3:257-273 N-D '61.

Corticovisceral biogenesis as one of steps in further developing physiology and pathology of corticovisceral relationships. I. I. Kutsin, V. K. Bolodinskii, Usp. sov. biol. 63 no. 2:184-201 Mar-Apr '67.

Dynamics of the development of the basic characteristics of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Central nervous system mechanisms of the development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

Development of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovatkin, L. D. Tykhomyrova, Fiziol. zhur. [Ukr.] 13 no. 3:301-300 May-June '67.

NITRATION

Effect of the medium on the kinetics of methanol O-nitration. A. P. Genich, L. V. Kustova. *Izv. AN SSSR Ser. Khim.* no. 4 752-757 Ap '67.
Oxidation of primary and secondary unsaturated and cyclic alcohols. L. T. Fomenko, A. M. Kozlov. *Izv. AN SSSR Ser. Khim.* no. 5 1112-1141 My '67.
Rate unit for nitration of oils. I. U. N. Shukhter and others. *Vysokomol. Soedin.* no. 1 7-8 '67.

NITRIC ACID

Existence of complexes formed by metals (III) with EDTA. L. I. Zaitseva (MFTS²). V. A. Logvinenko, A. V. Nikolsky. *Dokl. AN SSSR* 173 no. 6 1311-1314 Ap '67.
Kinetics of the process of oxidation of chloroacetaldehyde by nitric acid. B. G. Ilyashenko, A. P. Zaitsev. *Dokl. Akad. Nauk SSSR* 40 no. 3 604-609 My '67.

NITRIC ACID—SPECTRA

Spectral and molecular structure of nitric acid in solutions. Report No. 3. Complex formation with carboxylic acids. A. P. Genich, L. T. Eremenko, L. A. Nikulina. *Izv. AN SSSR. Ser. Khim.* no. 4 757-761 Ap '67.

NITRILES

α -N-dichloroammonium salts. A. M. Pechuk and others. *Dokl. Akad. Nauk SSSR* 37 no. 4 852-855 Ap '67.
Mechanism of electroreduction of nitriles of benzoic, succinic, and malic acids. I. G. Sevast'yanova, A. P. Tomilov. *Elektrokhimiya* 3 no. 5 563-570 My '67.

NITRO COMPOUNDS

Nitrophenyl esters of cyclophosphoric acids. B. A. Arbutov, A. O. Vozel, M. A. Zvereva. *Izv. AN SSSR Ser. Khim.* no. 4 929-930 Ap '67.

Reactivity of nitro compounds. Report No. 6. Hydration mechanism of α -nitroacetic ester. V. M. Belikov, I. U. N. Shukhter. *Izv. AN SSSR Ser. Khim.* no. 5 1051-1052 My '67.

Reactivity of the condensation of orthoformates with nitro compounds. N. A. Tikhonova, K. K. Babievskii, V. A. Del'nev. *Izv. AN SSSR Ser. Khim.* no. 4 877-880 Ap '67.

NITROCELLULOSE

Kinetics of the evaporation of a mixture of solvents from a solution of nitrocellulose. Report No. 1. V. M. Chesuikov, R. S. Seleznev. *Izv. vuzov. Khim. i tekhn. prom.* no. 2 51-52 '67.

NITROGEN

Interaction of BF₃ with molecular nitrogen. I. U. N. Shukhter, A. O. Vozel, L. V. Kustova. *Zh. strukt. khim.* 8 no. 2 248-251 Mr-Apr '67.

Forms of biogenous nitrogen gas are indicators of vertical migration of oil and underground water. E. I. Smirnovskii, G. F. Busel. *Geol. nefti i gaza* 11 no. 1 47-50 Ap '67.
Problems of the geochemistry of nitrogen. A. V. Mal'nevskii, V. F. Volynets. *Vest. Mosk. univ.* Ser. 4 Geol. 22 no. 2 125-130 Mr-Apr '67.

Use of inert gas during the operation of the "De-Smet" deodorizing unit. A. G. Sergeev, N. I. Chetnikov. *Masl. i shch. prom.* 33 no. 3 36-39 Mr '67.

NITROGEN—EFFECT ON PLANTS see Plants, Effect of nitrogen on

NITROGEN—FIXATION

Device for studying symbiotic nitrogen fixation. V. M. Krykova, I. U. N. Shukhter. *Ukr. bot. zh.* 21 no. 3 95-96 My-Je '67.

Nitrogen fixation and group B vitamin formation by local Azotobacter strains. T. H. Zimenko, N. M. Harnak. *Vest. AN SSSR Ser. biol. nauk.* no. 2 68-72 '67.

Reduction of molecular nitrogen in model systems. I. D. Ivanov and others. *Mikrobiologiya* 38 no. 2 205-209 Mr-Apr '67.

NITROGEN COMPOUNDS

Ammonification reaction with alkyl halides as a means for determining the configuration and conformation of pyridine bases. E. A. Mislukov, N. I. Aronova. *Izv. AN SSSR. Ser. Khim.* no. 4 783-788 Ap '67.

NITROGEN FERTILIZERS

Effect of various forms of nitrogen fertilizers in single and fractional placement on the yield of sugar beets. V. S. Rubanov, L. I. Berestov. *Khim. v sel. khoz.* 5 no. 5 2-3 '67.

Effectiveness of supplementary nitrogen fertilizer for winter rye as related to the humus content in soil. E. I. Grigor'ev, T. L. Ivanova. *Khim. v sel. khoz.* 5 no. 5 7-8 '67.

Geography of the nitrogen fertilizer industry in the U.S.S.R. F. Sh. Orlovskaya. *Vop. geog.* no. 72 38-49 '68.

Use of various forms of nitrogen fertilizers in growing apple seedlings in irrigated steppes. M. K. Sabirov, M. D. Ryzakov. *Khim. v sel. khoz.* 5 no. 6 11-12 Je '67.

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN INDUSTRIES

Brief news. P. T. Ostapenko. *Khim. prom.* 42 no. 9 68-69 S '66.

NITROGEN ISOTOPES

Isotopic composition of nitrogen in the earth's crust. V. F. Volynets, I. K. Zadorozhnyi, K. P. Florenskii. *Geokhimiya* no. 5 587-593 My '67.

NITROGEN METABOLISM

Diurnal rhythm of nitrogen metabolism in plants. L. I. Razumov. *Fiziol. rast.* 11 no. 3 546-548 My-Je '67.

NITROGEN OXIDES

Effect of sulfuric acid fog on the absorption of nitrogen oxides. V. A. Apakhov and others. *Khim. prom.* 42 no. 9 11-15 S '66.

Effect of the surface condition and volume of TiO₂ on the dissociation adsorption of N₂O. Z. Dzhevinski, Kin. i khim. 8 no. 2 415-420 Mr-Apr '67.

Electron transfer in reactions of nitroso compounds. Part 8. Reaction of trifluoromethanesulfonamide with nitric oxide. V. A. Ginsburg, L. L. Martynova, M. N. Vasil'eva. *Zhur. ob. khim.* 37 no. 5 1087-1090 My '67.

Ratio between the speeds of interaction of nitrogen oxides with ammonium carbonates in a solution and in the gaseous phase. B. N. Gushchin, V. I. Atrushchenko. *Izv. vuzov. Khim. i tekhn. prom.* 10 no. 3 314-318 '67.

Removal of nitric oxide from coke-oven gas and acetylene by catalytic hydrogenation. T. A. Semenova and others. *Khim. prom.* 42 no. 9 11-14 S '66.

Role of surface in nitric oxide synthesis in glow discharge. A. N. Mal'nev, L. N. Eremin, S. I. Borzova. *Vest. Mosk. univ.* Ser. 2 Khim. 22 no. 2 34-38 Mr-Apr '67.

Solubility of nitric oxide in nitrous. V. A. Kopylov and others. *Khim. prom.* 42 no. 11 16-17 N '66.

NITROGEN OXIDES, EFFECT OF RADIATION ON

Kinetics and yield of the gas phase radiation decomposition of nitrogen peroxide. L. A. Dvornikov, S. A. Kamenetskaya, S. A. Pashchinskii. *Khim. vuzov. energ.* 1 no. 3 205-212 My-Je '67.

NITROPARAFFINS

Phosphorylated oximes. Part 2: Reaction of haloalkyl phosphites with α -chloronitroalkanes. I. V. Martynov, I. U. N. Shukhter, N. F. Privetentseva. *Zhur. ob. khim.* 37 no. 5 1130-1131 My '67.

NITROSE

Solubility of nitric oxide in nitrous. V. A. Kopylov and others. *Khim. prom.* 42 no. 11 46-47 N '66.

NITROSO COMPOUNDS

Electron transfer in reactions of nitroso compounds. Part 6. Conjugated reactions of trifluoromethanesulfonamide, phosphorus trichloride, and polyfluoroalkenes. V. A. Ginsburg and others. *Zhur. ob. khim.* 37 no. 5 1079-1077 My '67.

Electron transfer in reactions of nitroso compounds. Part 7. Conjugated reactions of trifluoromethanesulfonamide and nitroalkyl chloride with polyfluoroalkenes. V. A. Ginsburg and others. *Zhur. ob. khim.* 37 no. 5 1077-1083 My '67.

Electron transfer in reactions of nitroso compounds. Part 8. Reaction of trifluoromethanesulfonamide with nitric oxide. V. A. Ginsburg, L. L. Martynova, M. N. Vasil'eva. *Zhur. ob. khim.* 37 no. 5 1083-1090 My '67.

Phosphorylated oximes. Part 1: Reaction of haloalkyl phosphites with α -chloronitroalkanes. I. V. Martynov, I. U. N. Shukhter, N. F. Privetentseva. *Zhur. ob. khim.* 37 no. 5 1125-1130 My '67.

NIZHNIY TAGIL—BANKS AND BANKING—MANAGEMENT

Competition of two branches. F. Melreina. *Den. i kred.* 25 no. 5 61-62 My '67.

NIZHNIY TAGIL—COKE OVENS—EQUIPMENT AND SUPPLIES

Operation of charging hole lid removers designed by Southern Ural Machine Construction Plant. V. A. Perminov, B. N. Revakin. *Koks i khim.* no. 4 28-29 '67.

NIZHNIY TAGIL—INSURANCE, SOCIAL—EMPLOYEES

Earned respect. A. Nazarov. *Sots. obesp.* 42 no. 4 22-24 Ap '67.

NIZHNIY TAGIL—PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES

Problem of preventive maintenance. I. U. N. Startsev. *Bezop. truda v prom.* 9 no. 12 33-34 D '65.

NIZHNYAYA OMRA OIL FIELD—PETROLEUM PRODUCTION

Developing gas and oil pools in Nizhnyaya Omra field. A. A. Popov. *Gaz. prom.* 12 no. 3 11-15 Mr '67.

NOISE

[Physics of aerodynamic noise] *Fizika aerodinamicheskikh shumov.* Moskva, Nauka, 1967. 104 p.

NOISE—PHYSIOLOGICAL EFFECT

Effect of noise of small intensity on the neuroendocrine system in animals. V. I. Pal'kov. *Fiziol. zhur. [Ukr.]* 13 no. 3 350-362 My-Je '67.

NOISE CONTROL

Fighting the noise of an drill. A. K. Sidorenko, P. N. Steinhilber. *Izv. vuzov. Khim. i tekhn. prom.* 10 no. 3 61-63 '67.

From the practice in reducing noise on a suction dredge. R. Gubin. *Mor. flot.* 27 no. 5 79-81 My '67.

Sound mirage. E. Sergeev. *Izobr. i rats.* no. 4 24-25 '67.

NOMOGRAPHY (MATHEMATICS)

Nomogram for calculation of wind velocity and height of wind waves in ocean. V. S. Kravitskii. *Meteor. i gidrol.* no. 4 106-108 Ap '67.

Nomograms for determining volume and density of mixtures of gas products in reactor sets of catalytic reforming units. L. E. Voevodskaya. *Neft. i khim. prom.* no. 4 37-38 '67.

Universal nomogram to calculate the long-range effect of gas jets in direct-flow burners with forced air supply. G. Akbarov, A. Akbarov. *Izv. AN Uz. SSR. Ser. tekhn. nauk.* 10 no. 5 60-72 '66.

NONCONTENTIOUS JURISDICTION

Judicial establishment of legal facts determining right for pension. G. Seredina. *Sots. obesp.* 42 no. 5 51-57 My '67.

NONDESTRUCTIVE TESTING

Portable luminescence defectoscope. A. G. Sivukhin, B. V. Mochalov. *Bliz. tekhn. inform.* Gos. nauch.-issled. inst. nauch. i tekhn. inform. 20 no. 5 39 My '67.

Temperature dependence of the sensitivity of a resonator with longitudinal excitation. D. C. Stomakala, D. A. Shurukhin. *Defektoskopiya* no. 2 45-48 '67.

Using eddy currents for detecting internal stresses. V. M. Tatarskiy, T. A. Gerasimovskii. *Defektoskopiya* no. 2 35-37 '67.

Using the method of eddy currents for measuring the area of a cross section of a rolled stock. V. V. Volkov. *Defektoskopiya* no. 2 61-68 '67.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS ALLOYS—ELECTROMETALLURGY

Electron beam melting of niobium and titanium-based alloys. V. A. Belyaev. *TSvet. met.* 10 no. 1 75-77 Ap '67.

NONFERROUS METAL INDUSTRIES

(see also subdivision under Armenia; Dagestan, Sverdlovsk Province; Ukraine)

Socialist obligations of collectives of nonferrous metal enterprises and organizations in honor of the 50th anniversary of Great October. *TSvet. met.* 10 no. 5 6-8 My '67.

Using graphite blocks for the protection of scrubbing columns in the USSR's sulfuric acid plant. I. U. N. Shukhter, A. A. Annanov, A. P. Bol'shakov. *TSvet. met.* 40 no. 5 11-15 My '67.

NONFERROUS METAL INDUSTRIES—EQUIPMENT AND SUPPLIES see subdivision under Kazakhstan

NONFERROUS METAL INDUSTRIES—MANAGEMENT

(see also subdivision under Altay-Topkan region, Tajikistan; Leningradskiy; Ust'-Kamenogorsk)

Introduce scientific work organization and control of industry. *TSvet. met.* 40 no. 5 1-5 My '67.

Technical and economic study of flow sheets. I. M. Grigor'evskii, L. N. Golovinskaya. *TSvet. met.* 40 no. 5 72-75 My '67.

NONFERROUS METALS

Mechanization of auxiliary operations on heavy drawing machines at the Kolchugins Nonferrous Metalworking Plant. V. I. Rebrov. *TSvet. met.* 40 no. 4 80-83 Ap '67.

Solubility of poorly soluble metal compounds in aqueous solutions of sodium sulfide. I. R. Polyviannyi, N. A. Mitulina. *Trudy inst. met. i obog. AN Kazakh. SSR* 21 3-13 '67.

NONFERROUS METALS—ANALYSIS

Determining tungsten content by K-absorption discontinuity of X rays. L. N. Piskin and others. *TSvet. met.* 40 no. 4 27-29 Ap '67.

NONFERROUS METALS—ELECTROMETALLURGY

Combined method of processing antimony raw materials. I. R. Polyviannyi, N. I. Ananov. *Trudy inst. met. i obog. AN Kazakh. SSR* 21 65-75 '67.

Complex treatment of lean bismuth-tungsten and molybdenum containing concentrates. I. R. Polyviannyi and others. *Trudy inst. met. i obog. AN Kazakh. SSR* 21 76-85 '67.

NONFERROUS METALS—METALLURGY

Blomidskii, D. A. [Inspection and automatic control of processes of nonferrous metallurgy] *Kontrol' i avtomatizatsiya protsessov v svetnoi metallurgii.* Moskva Metallurgiya.

Pr. 2. [Automatic control of metallurgical processes] *Avtomatizatsiya metallurgicheskikh protsessov.* 1967. 403 p.

Effect of surface-active additives on the rate of reduction of oxides in molten slags. A. V. Vantukov. *TSvet. met.* 40 no. 5 39-43 My '67.

NOVOSIBIRSK—PHOTOGRAPHY, AERIAL
Defense of diploma projects in the Novosibirsk Institute of Geodesy, Aerial Survey, and Cartographic Engineering. Izv. vys. ucheb. zav., geod. i aerof. no. 5, 127-128 '67.

NOVOSIBIRSK—VOCATIONAL EDUCATION
Participation of progressive workers. E. Zelinskii. Prof. tekhn. obshch. 21 no. 4-5 Ap '67.

NOVOSIBIRSK PROVINCE—DISABILITY EVALUATION
There are potentialities. L. Feigin. Sots. obshch. 42 no. 4-30 Ap '67.

NOVOSIBIRSK PROVINCE—LABOR AND LABORING CLASSES—MEDICAL CARE
There are potentialities. L. Feigin. Sots. obshch. 42 no. 4-30 Ap '67.

NOVOSIBIRSK PROVINCE—ROTATION OF CROPS
Observe rotation of crops. V. Chernokov. Zemledelie 29 no. 5-57 My '67.

NOZDRIN, AVENIR EVSTIGENEVICH, 1862-1942
A. E. Nozdin, Chairman of the First City Soviet in Russia. G. I. Gorbunov. Vop. ist. 12 no. 5, 216-217 My '67.

NOZZLES—DESIGN AND CONSTRUCTION
Fiberglass nozzles for welding in carbon dioxide. D. A. Kostanko, V. N. Revenko. Svat. proizv. no. 5, 1-11 My '67.

NOZZLES—FLUID DYNAMICS
Calculating pressure drop along the length of nozzle in pipeline in forward motion turbulent flow of viscous fluids. M. I. A. Morozhkin. Izv. vys. ucheb. zav., inzh. fiz. 9 no. 11-65-69 '66.

NUCLEAR COUNTERS
Parallel connection circuit for detectors with unipolar diodes. E. I. Dolgikh. Geofiz. zap. no. 20, 95-96 '67.

NUCLEAR COUNTERS
Proportional counter with a large window. A. V. Zhatko, A. I. Kur'mitskii. Vest. Mosk. univ. fiz. i mat. 22 no. 2, 115-117 My '67.

NUCLEAR COUNTERS
Selection of the dead time of the radio transmission line of a neutron supermonitor. I. N. Kapustin. Geofiz. zap. 7 no. 1, 165-169 '67.

NUCLEAR COUNTERS
Threshold Cherenkov counter with a perapex radiator. Porogovyi cherenkovskii schetchik s radiatorom iz pleksglasa [By] V. I. Petrushin. Izv. [Dubna, 1967] 17 p.

NUCLEAR ENGINEERING
Developing atomic engineering and the world security. A. Kalladin. Mir. ekon. i mezhduar. otn. no. 5, 11-12 '67.

NUCLEAR FISSION
Cross sections and angular anisotropy of fragments in the case of fission of some plutonium, americium, and curium isotopes by fast neutrons. P. P. Bronnikov and others. Izd. fiz. 5 no. 5, 606-610 My '67.

NUCLEAR FISSION
Direct excitation of the fission degrees of freedom of a nucleus at low energies. P. P. Voronkov. Izv. fiz. 5 no. 5, 1021-1027 My '67.

NUCLEAR FISSION
Mean number of neutrons emitted during ^{235}Pu fission by 0.80-1 Mev. neutrons. V. I. Kuznetsov, G. N. Smirenkin. Atom. energ. 22 no. 5, 101-103 My '67.

NUCLEAR FISSION
Nuclear fission into three fragments by heavy ions. A. Karamian and others. Izd. fiz. 5 no. 5, 609-615 My '67.

NUCLEAR FISSION
Studying the 1.4-minute fission product in the ^{235}Pu fission reaction. V. I. Kuznetsov, N. K. Skublov. Izd. fiz. 5 no. 5, 1136-1137 My '67.

NUCLEAR FUEL ELEMENTS
Calculating the temperature in the active zone of a reactor under a random distribution law of heat release on the basis of zone height. V. E. Minashin, A. A. Shokhmetov, I. U. Gribov. Atom. energ. 22 no. 5, 312-316 My '67.

NUCLEAR FUEL ELEMENTS
Temperature fields of nuclear fuel elements with liquid-metal coolants. V. I. Subbotin and others. Atom. energ. 22 no. 5, 372-378 My '67.

NUCLEAR MAGNETIC RESONANCE
Determination of the second moments of nuclear magnetic resonance for hardened unsaturated polyester. Z. M. Grad, I. M. Al'shils. Vysokom. speed. Ser. A 9 no. 4, 832-838 Ap '67.

NUCLEAR MAGNETIC RESONANCE
Development of nuclear magnetic logging. G. I. Orlov, A. M. Melik-Shakhnazarov, V. I. Danovich. Izv. vys. ucheb. zav., inzh. fiz. 10 no. 4-93-97 '67.

NUCLEAR MAGNETIC RESONANCE
Evaluating the spin of multipion resonance. A. A. Arutunyan and others. Dokl. AN Uz. SSR 23 no. 8, 10-21 '66.

NUCLEAR MAGNETIC RESONANCE
Examination of phase transitions in adsorbed water by means of nuclear magnetic resonance. V. I. Kvitkovich, V. F. Kiselev, Zhur. strukt. khim. 8 no. 2, 221-223 '67.

NORTHERN HEMISPHERE—ATMOSPHERIC TEMPERATURE
Regime of the air temperature in the hemisphere in relation to circulation conditions. V. S. Rukhovich. Probl. Arkkt. i Antarkt. no. 26, 12-20 '67.

NORTHERN HEMISPHERE—TEMPERATURE FIELDS
Analogy of anomaly fields of mean monthly air temperature in Northern Hemisphere. K. A. Vasutov, N. I. Zverev, M. A. Dutsava, Meteor. i gidrol. no. 4, 92-97 Ap '67.

NORTHERN HEMISPHERE—WEATHER FORECASTING
Regime of the air temperature in the hemisphere in relation to circulation conditions. V. S. Rukhovich. Probl. Arkkt. i Antarkt. no. 26, 12-20 '67.

NORTHERN WAR, 1700-1721
Accounts of the Northern War as a monument of literature. A. I. Kuznetsov. Izv. AN SSSR Ser. lit. i iss. 26 no. 1, 64-67, 11-1 '67.

NORWAY SPRUCE see subdivision under White Russia

NOTARIES
From the practice of notarial agencies. Sov. iust. 31 no. 3, 31 My '67.
Give attention to the organization of work. V. Kuznetsov. P. I. - beluk. Rad. pravo 39 no. 5, 87-89 My '67.

NOVGOROD PROVINCE—CARP BREEDING
Selective breeding of northern hybrid carp in Novgorod Province. A. S. Zonov, Z. A. Shatrova. Izv. GosNIOR'II 61, 134-135 '66.

NOVGOROD PROVINCE—INSURANCE, SOCIAL—EMPLOYEES
What gives strength to man. N. Andreeva. Sots. obshch. 42 no. 5, 22-23 My '67.

NOVGOROD PROVINCE—POTTERY, PRIMITIVE
Monuments of the early metallic period near Novgorod. S. A. Orlov. Sov. arkh. no. 2, 233-236 '67.

NOVGORODSKIY DISTRICT—STOCK AND STOCK-BREEDING—FINANCE
What are the elements of industrial specialization? A. F. Veltigin. Izv. AN SSSR no. 3, 73-79 '66.

NOVOBIOCIN
Properties of sensitive and resistant Bacillus licheniformis cultures to novobiocin. I. V. Puzantsova. Mikrobiologiya 36 no. 2, 267-273 My '67.

NOVOCAINE
Treatment of local suppurative processes with novocaine block without penicillin and in combination with it. G. A. Mirzoev. Zhur. eksp. i klin. med. 7 no. 1, 87-90 '67.

NOVOCHERKASSK—GRAIN TRADE—STUDY AND TEACHING
Oldest technical schools for training specialists in the flour milling and grain storage industry. Moscow Polytechnic School is 75 years old, Novocherkassk Mechanical and Technological Technical School is 45 years old. B. Zotov, M. Novomirskiy. Muk. elev. prom. 13 no. 4, 26-29 Ap '67.

NOVO-KHIAZINO OIL FIELD—GEOLOGY, STRATIGRAPHIC
Characteristics of layers of lower productive bench in Novo-Khiazino field. P. A. Kichenko. Nauch.-tekhn. sbor. po doh. nefti no. 29, 28-32 '66.

NOVOROSSIYSK—GRAIN ELEVATORS
At the Novorossiysk Mill Combines, cherished memory of the heroes of the Great Patriotic War. N. Strel'tsov. Muk. elev. prom. 33 no. 5, 7 My '67.

NOVOROSSIYSK REGION—WORLD WAR, 1939-1945
Heroes of "Malaya Zemlya". M. M. Farafonov. Sudostroenie 57 no. 2, 90-91 '67.

NOVOSIBIRSK—CARTOGRAPHY
Defense of diploma projects in the Novosibirsk Institute of Geodesy, Aerial Survey, and Cartographic Engineering. Izv. vys. ucheb. zav., geod. i aerof. no. 5, 127-128 '66.

NOVOSIBIRSK—COMMUNIST PARTY OF THE SOVIET UNION
[Party organization of workshops, from the experience of party work among workers of industrial plants] Partitnaya organizatsiya (tskhkha, iz opyta partinoy raboty v zavodskikh kollektivakh. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1967, 67 p.

NOVOSIBIRSK—CONCRETE MIXERS
New mixers manufactured at the Novosibirsk Construction Machinery Plant. I. S. Bekashev, I. N. Kolosov. Stroitel. mash. 12 no. 1, 15-17 Ja '67.

NOVOSIBIRSK—GEODESY
Defense of diploma projects in the Novosibirsk Institute of Geodesy, Aerial Survey, and Cartographic Engineering. Izv. vys. ucheb. zav., geod. i aerof. no. 5, 127-128 '66.

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN DONETS VALLEY—FOREST ECOLOGY
Forest vegetation of the floodplain of the Northern Donets. V. A. Dobrynin. Ukr. bot. zhur. 24 no. 2-55-56 My '67.

NORTHERN DVINA RIVER—NAVIGATION
Passage of the water level for navigation. P. G. Puzanov, A. M. Mikhlin. Meteor. i gidrol. no. 6, 20-26 '67.

NUCLEAR MAGNETIC RESONANCE (Continued)

- Nuclear magnetic resonance on single electronic levels of rare earth ions. S. A. Al'tshuler, M. A. Teplou. Pis'ma v red. Zhurn. eksp. i teoret. fiz. 5 no 7 209-212 1967.
- Quadrupole relaxation of nuclei of hydrated ions. V. I. Chirikh. Zhurn. strukt. khim. 8 no 2 350-352 Mi-Apr '67.
- Spin-spin bonding in the spectra of nuclear magnetic resonance of organophosphorus compounds. B. L. Iunin, V. B. Ibedev, V. A. Petrov. Zhurn. obshch. khim. 37 no 5 1174-1177 My '67.
- Structure of the structure of aquapoly compounds by means of proton magnetic resonance. Part 1. Molybdates and tungstates of calcium. V. V. Mink and others. Zhurn. strukt. khim. 8 no 2 227-232 Mi-Apr '67.

NUCLEAR MAGNETIC RESONANCE—SPECTRA

- Preference in investigating the effect of collectors on coal grains by electronic paramagnetic resonance method. G. S. Puzer and others. Ugol' 12 no 5 69-70 My '67.

NUCLEAR MAGNETOMETER

- Working substances for nuclear magnetometers. F. G. Rozantsev, A. P. Stupakov. Geofiz. app. no 29 35-41 '66.

NUCLEAR MODELS

- Model, L. A., V. G. Solov'ev, and I. D. Khrisov. Pair correlations of the superconducting type for nuclei in the range $100 < A < 250$. Pamyat' na slava slava sverkhprovodivshchego tipa dlya iadov v oblasti 100 A 256 [Dubna, 1967] 18 p.

- Use of a nuclear optical model for the analysis of deuteron and α -particle scattering by nuclei. O. J. Nemets and others. Izv. AN SSSR Ser. fiz. 31 no 1 532-519 Apr '67.

NUCLEAR MOMENTS

- Calculating the moments of inertia of excited nuclei in an improved superfluid nuclear model. R. N. Safarov. Dokl. AN Uz. SSR 23 no 8 25-28 '66.

NUCLEAR OPTICAL MODELS

- Use of the liquid-drop model of a nucleus in a course in physics. G. K. Pogorelec. Vychisl. shkola 10 no 3 14-17 My-Ie '67.

NUCLEAR PHYSICS—TABLES, ETC.

- [Fluctuations of ionization losses; tables.] Fluktuatsii ionizatsionnykh potery; tablitsy. [By] B. M. Golovin i dr. [Dubna, 1967] 170 p.

NUCLEAR REACTIONS

- Angular distribution of charged particles from the reaction $O^{18} + \alpha$ in the energy range 0.9 to 1.7 Mev. Uglye raspredeleniya zaryazhenykh chastits iz reaktsii $O^{18} + \alpha$ v interval' energii ot 0.9 do 1.7 Mev. [By] A. P. Kobzev i dr. Dubna, 1967. 29 p.

- Cross section structure of the reaction $Ca^{40}(\gamma, p)$. B. I. Gulyaev. Pis'ma v Zhurn. eksp. i teoret. fiz. no. 2 225-227 Apr '67.

- Determining the $\pi\pi$ -interaction cross section from the reaction of pion production by pion on hydrogen with small momenta transmitted to the nucleus. A. V. Gerasimov and others. Izv. AN SSSR Ser. fiz. 31 no 5 1060-1070 My '67.

- Differential characteristics of the reaction $\gamma + He^3 \rightarrow p + n$. T. S. Macharadze. Soob. AN Gruz. SSR 48 no 1 53-60 Apr '67.

- Distortion effect in (e, e' p)-type reactions. D. V. Mchombila. Vest. Mosk. univ. Ser. 3: fiz., astron. 22 no 2 112-115 Mi-Apr '67.

- El'menko, T. G., V. P. Zhigunov, and B. N. Zakhar'ev. [Reactions involving particle redistribution] Reaktsii s pereraspredeleniem chastits. [Dubna] Pt. 2. [Multichannel coupling method] Metod mnogokanal'noi svyazi. [1967] 16 p.

- Energy and angular distribution of α -particles in (n, α)-reaction on Ag and Bi nuclei. V. A. Kuz'min, V. I. Ostapov, Izv. AN SSSR Ser. fiz. 31 no 5 937-941 My '67.

- Fine structure of the cross section of the $Ca^{40}(\gamma, n)$ reaction. B. I. Gerasimov and others. Izv. AN SSSR Ser. fiz. 31 no 5 1118-1130 My '67.

- Rotational levels of C^{13} nuclei. I. U. P. Ievlev and others. Izv. AN SSSR Ser. fiz. 31 no 4 645-649 Apr '67.

- Measuring the probability ratio of the $\pi^0 \rightarrow \pi\pi$ and $\pi^0 \rightarrow \gamma\gamma$ reactions. M. A. Musin, V. I. Petukhin, I. D. Prokoshkin. Izv. AN SSSR Ser. fiz. 31 no 5 1072-1078 My '67.

- Nature of the analogue states in heavy nuclei. D. F. Zaitsev, M. G. Urin. Izv. AN SSSR Ser. fiz. 31 no 5 983-987 My '67.

- Nonrotational state of some deformed nuclei in the $155 < A < 181$ region. V. G. Solov'ev, P. Pogel', G. Iung-Hausen. Izv. AN SSSR Ser. fiz. 31 no 1 518-531 Apr '67.

- Nuclear transformations in nature. N. A. Vlasov. Atom. energ. 22 no 5 339-342 My '67.

- Possible use of the nuclear reaction of charge-exchange of π -mesons in chemical investigations. V. I. Petukhin, L. I. Ponomarev, I. U. D. Prokoshkin. Khim. vys. energ. 1 no 3 283-284 My-Jc '67.

- Production of π -mesons at the threshold in neutrino reactions. A. I. Vainshtein, V. V. Sokolov, I. B. Khriplovich. Izv. AN SSSR Ser. fiz. 31 no 5 1088-1091 My '67.

- Some characteristics of the mechanism underlying the many-nucleon transfer reactions. J. Wilezinski, V. V. Volnov, P. D. Czerwinski. Izv. AN SSSR Ser. fiz. 31 no 5 942-917 My '67.

- Some nuclear reactions and nucleon correlations in light nuclei. R. I. Dzhibutli. Trudy Tbil. GU no 103:7-64 '65.

- Spectra of conversion electrons emitted during thermal neutron capture by Eu^{151} and Eu^{153} . V. A. Bondarenko, P. I. Prokhorov, L. I. Simonova. Izv. AN SSSR Ser. fiz. 31 no 5 929-912 My '67.

- Studying γ -rays from the $Mg^{26}(p, \alpha)^{23}Si$ reaction at $E_p = 2322$ KeV. A. A. Koval' and others. Izv. AN SSSR Ser. fiz. 31 no 1 637-644 Apr '67.

- Studying γ -rays from the reaction of inelastic scattering of protons by S^{34} nuclei. E. G. Kopanets and others. Izv. AN SSSR Ser. fiz. 31 no 4 620-630 Apr '67.

- Studying the $\pi^+ p \rightarrow \pi^+ + \pi^+ + n$ and $\pi^+ p \rightarrow 2\pi^+ + n$ reactions involving 4 GeV π^+ π^+ -mesons. I. A. Hemi and others. Izv. AN SSSR Ser. fiz. 31 no 5 1051-1058 My '67.

- Synthesis of fermium isotopes with mass numbers 247 and 246. G. N. Flerov and others. Atom. energ. 22 no 5 342-346 My '67.

NUCLEAR REACTORS

- Analytical method of solution of critical problems. S. B. Shikhov, V. I. Davydov, L. K. Shishkov. Atom. energ. 22 no 5 410-411 My '67.

- Effect of the circulation rate on radiative transformations of organic coolants at elevated temperatures. M. M. Florintsev and others. Atom. energ. 22 no 5 378-381 My '67.

- Neutron diffraction unit of the WMWC thermal column. B. I. Khushchev, A. M. Bogomolov, L. S. Sharapova. Izv. vys. uch. zav. fiz. no. 4 108-112 '67.

- Operation of the absorption rods in high temperature reactors. I. A. Enel'panov, R. V. Grebennikov. Atom. energ. 22 no 5 367-371 My '67.

- Studying the best arrangement of horizontal channels for the neutron beam extraction from SM-2 reactor. V. A. Tsykanov and others. Atom. energ. 22 no 5 111-112 My '67.

NUCLEAR REACTORS—MATERIALS

- Studying the phase and diffusion resistances in the case of alkali metal condensation. N. V. Kukul' and others. Atom. energ. 22 no 5 113-115 My '67.

NUCLEAR REACTORS—SHIELDING (RADIATION)

- Shielding of 0.511 Mev. γ -quanta by shielding barriers. B. M. Skovtsov and others. Atom. energ. 22 no 5 101-105 My '67.

NUCLEAR SPIN

- Correlation between proton spin-lattice relaxation and intramolecular vibrations in liquid n-alcohols $C_7 - C_{10}$. S. K. G. Kashuev, N. K. Galsin. Dokl. AN SSSR 173 no 6 1371-1377 Apr '67.

- Correspondence of regularities of delocalization of spin density as inferred from the data of electron paramagnetic resonance radicals and nuclear magnetic resonance molecules and complexes of paramagnetic ions. I. I. Zinov and others. Dokl. AN SSSR 173 no 6 1370-1373 Apr '67.

- Effect of nuclear target spin on nuclear polarization of elastic scattering. G. I. Dukarev, V. T. Ippolitov. Vest. IGU 22 no 4 120-130 Apr '67.

- Garcev, F. A., S. P. Ivanova, and B. N. Kalinkin. [Spin-orbital interaction in heavy deformed nuclei] Spin-orbital'noe vzaimodel'stvie v tiazhelykh deformirovannykh iadakh. [Dubna, 1967] 11 p.

- Light scattering on coherent spin waves. V. S. Litov, S. S. Stashobets. Pis'ma v red. Zhurn. eksp. i teoret. fiz. 5 no 7 212-244 Apr '67.

- Quadrupole constants of 1, 2-chlorofluorothane molecules. I. A. Mukharov, E. I. Mukharov. Zhurn. strukt. khim. 8 no 2 352-354 Mi-Apr '67.

- Rotational levels with large spin in even-even isotopes Xo^{51} , Na^{56} , Co^{58} . L. K. Peker. Izv. AN SSSR Ser. fiz. 31 no 4 663-667 Apr '67.

NUCLEI, ATOMIC

- Collective Coulomb excitation of nuclei in regular crystals. I. U. M. Kagan, F. N. Chukhovskii. Pis'ma v red. Zhurn. eksp. i teoret. fiz. 5 no 5 166-170 Mi-Apr '67.

- Collective excitations of weakly deformed nuclei. N. S. Rabinov, A. A. Seregin. Izv. AN SSSR Ser. fiz. 31 no 5 996-1000 My '67.

- E2-transitions and the effective quadrupole charge in odd near-magic nuclei. S. P. Kamerdzhiev. Izv. AN SSSR Ser. fiz. 31 no 5 971-975 My '67.

- Easy method for finding effective external fields in superfluid atomic nuclei. B. L. Bishari. Izv. AN SSSR Ser. fiz. 31 no 4 663-669 Apr '67.

- Garcev, F. A., S. P. Ivanova, and B. N. Kalinkin. [Accuracy of calculating the one-particle states of deformed nuclei] O tochnosti vychisleniya odnochastichnykh sostoianni deformatsionnykh iadov. [Dubna, 1967] 10 p.

- Influence of the core excitation effect on the energy spectra of pairs of nuclei. G. M. Bukal. Izv. AN SSSR Ser. fiz. 31 no 4 560-562 Apr '67.

- Nonstationary state of some deformed nuclei in the $155 < A < 181$ region. V. G. Solov'ev, P. Pogel', G. Iung-Hausen. Izv. AN SSSR Ser. fiz. 31 no 1 518-531 Apr '67.

- Nuclear transformations in nature. N. A. Vlasov. Atom. energ. 22 no 5 339-342 My '67.

- Problem of nonstationary solutions to nonlinear equations of a scalar field. G. N. Shikhin. Vest. Mosk. univ. Ser. 3: fiz., astron. 22 no 2 107-112 Mi-Apr '67.

- Problem of particlelike solutions to nonlinear equations of an electromagnetic field. G. N. Shikhin. Vest. Mosk. univ. Ser. 3: fiz., astron. 22 no 2 3-9 Mi-Apr '67.

- Properties of nuclei of the transition region, odd nuclei in the Os region. I. E. Belovitch. Izv. AN SSSR Ser. fiz. 31 no 5 988-995 My '67.

- Relation between nuclear masses. V. M. Osendzhiev, M. A. Troitskii. Izv. AN SSSR Ser. fiz. 31 no 5 1001-1007 My '67.

- Scattering of 225 Mev electrons by Y^{89} and Nb^{93} nuclei. N. G. Shevchenko and others. Izv. AN SSSR Ser. fiz. 31 no 5 948-958 My '67.

- Spin-quadrupole forces and collective states in deformed nuclei. Part 1. O⁺-states. K. M. Zhelezova, N. I. Platov, M. I. Chernen. Izv. AN SSSR Ser. fiz. 31 no 1 550-567 Apr '67.

- Studying the mechanism of radiative capture of π -mesons by complex nuclei. V. I. Petukhin, V. S. Pogorelec, I. U. D. Prokoshkin. Izv. AN SSSR Ser. fiz. 31 no 5 1045-1053 My '67.

- Total cross sections of neutron interaction with oriented nuclei. I. V. Iosifin. Izv. AN SSSR Ser. fiz. 31 no 5 1008-1011 My '67.

- Upper boundary of possible spin gravitational effects. V. B. Braginskii, L. I. Slabkii, V. K. Martynov. Vest. Mosk. univ. Ser. 3: fiz., astron. 22 no 2 128-134 Mi-Apr '67.

NUCLEI, ATOMIC—DECAY

- Values of functions determining the probability of β^+ -decay. Part 2: Forbidden transitions. I. P. Suslov. Izv. AN SSSR Ser. fiz. 31 no 1 688-693 Apr '67.

NUCLEIC ACID METABOLISM

- Biochemical and histochemical changes in the content of nucleic acids at different developmental periods of experimental osteosis. A. G. Vercinskaya. Vop. med. khim. 13 no 3 271-276 My-Jc '67.

- Characteristics of embryogenesis of mammals in block of RNA synthesis, experiments with actinomycin D in rats. A. I. Ilyin, I. M. Akimova. Arkh. anat., gist. i embi. 52 no 5 30-60 My '67.

- Nucleotide composition of bulk and ribosome RNA in tissues of normal thyroid gland and following nodular eutheroid goiter. B. A. Atkhanova, I. A. Kh. Tarkulov. Izv. biol. zhurn. 11 no 2 7-10 '67.

- Study of RNA in guinea pig brain. Its fractional composition, renaturation intensity and hybridization with DNA. V. P. Gerasimova, A. I. Ivanov. Dokl. AN SSSR 173 no 6 1411-1414 Apr '67.

NUCLEIC ACIDS

- Alkaline hydrolysis of ribonucleic acids. E. I. Budovskii, L. M. Kabanova. Vop. med. khim. 13 no 3 299-303 My-Jc '67.

- Antibody biosynthesis in vitro in cells of nonimmune animal spleen induced by homologous RNA fractions from immunized donors. B. D. Stanchev. Mol. biol. 1 no 1 3-11 Ja-F '67.

- Antihypertensive effect of cofactors of synthesis and precursors of nucleic acids in experimental salt hypertension. F. Z. Meerzon, K. N. Bykova, Kardiol. 7 no 3 31-34 Mi-Apr '67.

- Circular dichroism of transport RNA oligonucleotides. G. B. Zvyagin, I. I. L. Mol. biol. 1 no 3 323-334 My-Jc '67.

- Content of nucleic acids in the tissues of the pterygium. T. M. Mamedova. Azerb. med. zhurn. 44 no 1 84-87 Ja '67.

- Derepression of nucleic acid synthesis following destruction of bacteria. I. A. Baza, I. U. N. Zograt, R. B. Karsin. Mol. biol. 1 no 3 436-448 My-Jc '67.

- Distribution of DNA components of bean leaves in fractions of cellular structures. T. G. Beridze, M. S. Odintsova, N. M. Sisakian. Mol. biol. 1 no 1 142-153 Ja-F '67.

- Dynamics of 5-bromouracil incorporation into DNA of thymine-deficient Escherichia coli strain. N. L. Lutskanov, A. S. Antonov. Nauch. dokl. vys. shkoly, biol. nauk. 10 no 4 105-107 '67.

- Dynamics of nucleic acids in the course of the spermatogenesis of reindeer. E. K. Borozdin, Trudy Nauch.-issl. inst. sel'khoz. Krai. Sov. 13 146-151 '66.

- Effect of chloramphenicol on RNA synthesis in bacteria adsorbing phage shells. E. I. Golub, V. G. Nazarenko, V. V. Somianinov. Mikrobiologiya 36 no 2 204-207 Mi-Apr '67.

OIL WELLS—TESTING

Permeability testing of layers in prospecting wells. A. M. Maslitskiy, V. I. Maslitskiy. Burente no 4 35-37 '67, 1970-1971 packer G. A. Sitykov and others. Mash. 1970-1971 no 5 3-4 '67

OILS AND FATS

Estimation of cotton soap stock for the stuffing of leathers. M. Murzabekova and others. Mash. zhizn. prom. 31 no 1 13-15 Ap '67

Interrupted oxidation of oil. Zh. I. Bezgudova and others. Khim. prom. Uzb. no 5, 53-54 S-O '66

OILS AND FATS—THERMAL PROPERTIES

Thermal conductivity of edible vegetable oils. A. N. V. Kolesnikov, M. A. Gromov. Mash. zhizn. prom. 31 no 1 17-19 Ap '67

OILSEED INDUSTRY

See also subdivision under Caucasus, Northern, Kuba-Kurgan, Uzbekistan, Vinnitsa, Yevdokimov, Voronezh Province

Planning and analysis of the production indices of the oil and fat industry under new conditions. A. I. Galanov. Mash. zhizn. prom. 33 no 1 20-31 Mi '67

Some work results of the oil and fat industry of the U.S.S.R. in 1966. F. N. Minevich, S. F. Kipiatenko. Mash. zhizn. prom. 33 no 1 27-31 Ap '67

OILSEED PLANTS

Improving the production of oilseed crops. P. F. Manzhos, V. I. Khusa. Mash. zhizn. prom. 33 no 4 13-14 Ap '67

ONCEMENTS

Stability of ingredients in emulsion oncolements. A. M. Filkin. Farmatsiya 16 no 2 91-95 Mr-Apr '67

OKA-DON LOWLAND—SPIRAGNUM

Watershed sphagnum bogs of the Oka-Don lowland. N. S. Kamyshov. Biol. MOIP. Old. Biol. 72 no 2 6h-75 Mr-Apr '67

OKA RIVER—SHIPPING

Lifelessness of river transportation of mineral fertilizers. M. B. Kuznetsov, N. Kuznetsov. Rech. transp. 26 no 3 52 '67

OKHOTSK, SEA OF—FISHERIES

Boroda, A. E., and E. A. Sosnovskiy. [For active year-long fishing] Za aktivnyy krugogodovoy lov ryby. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1965, 15 p.

OLD AGE HOMES see subdivision under Vladimir

OLD AGE HOMES—EMPLOYEES see subdivision under Moscow

OLD AGE HOMES—MANAGEMENT see subdivision under Armenia; Riga

OLD AGE PENSIONS

Correspondence with readers. Agitator 35 no 11:50 Jr '67

OLD BELIEVERS—CONTROVERSIAL LITERATURE

Old Believers and social progress. V. F. Milovidov. Vop. nauch. teoz. no 2 16h-22i '66

OLEANDOMYCIN

Hyposelectivity, thermostability and solubility of oleandomycin salts. A. M. Nagle and others. Antibiotiki 12 no 5:120-125 My '67

OLEFINS

Air-liquid reaction of phenol by fractions of olefins in boiling range of 240-320° in the presence of benzenesulfonic acid. I. U. T. Gordanish, Neftepet. i neftekhim. no 1 26-28 '67

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No. 44. Reduction of carbon monoxide in hydropolymerization of ethylene. N. I. Ershov, I. A. T. Eidus, I. V. Guseva. Izv. AN SSSR, Ser. khim. no 4:772-778 Ap '67

Catalytic monomer synthesis with carbonyl compounds. Addition of 1-alkenes to glyoxylic acid esters. E. K. Kuznetsov, I. U. T. Gordanish. Dokl. AN SSSR 173 no 5:1332-1335 Ap '67

Condensation of chlorine-substituted olefins with para-formaldehyde in the presence of KU-2. V. I. Isagultants, V. I. Melnikov. Dokl. AN Arm. SSR 44 no 3 115-120 '67

Isomerization of diethoxyphosphorylalkene oxides. B. A. Arhuzov, N. A. Polezinaeva, V. S. Vinogradova. Izv. AN SSSR, Ser. khim. no 5:1146-1148 My '67

Mechanism of Fischer-Tropsch process and of the reaction of initiated hydropolymerization of olefins according to radiochemical and kinetic data. I. A. T. Eidus. Usp. khim. 36 no 5 824-846 My '67

Producing higher unsaturated acids from industrial fractions of α -olefins. I. U. T. Gordanish, V. A. Sciov, V. T. Sklyar. Khim. i tekhn. topl. i masel 12 no 5 21-23 My '67

Reactions of ozon with olefins. A. T. Menailo, M. V. Pospelov. Usp. khim. 36 no 4:862-885 Ap '67

Reactivity of some C_{10} arylolifins. I. U. T. Gordanish, D. M. Kuznetsov. Vest. IGU 22 no 4:123-128 F '67

OLEIC ACID

Study of the reaction of sodium oleate with some boron silicates and garnet by means of infrared spectroscopy. C. V. Rakhina, P. M. Soluzhenki. Dokl. AN Tadzh. SSR 10 no 4 32-34 '67

OLEKINSKIY STANOVIK—ROCKS, IGNEOUS

Isolation of the Ingaakit complex (Olekma-Vitim mountain land). V. I. Svidenko. Uch. zap. P.d. inst. Gerts. 200 255-275 '66

OLENEGORSK REGION (MURMANSK PROVINCE)—STRIP MINING

Performance of P-25 drills at Olenegorsk Mine. V. P. Shvedov, V. P. Sukhovitsyn. Nauch. trudy Moskv. inst. radielektr. i geoelektr. no 51 98-104 '65

OLENGUY VALLEY—GRANITE

Oleneguy intrusion of alaskite granites and its metallogenesis. P. V. Babashin. Nauch. trudy Zabaik. otd. Geog. ob-va SSSR 1 no 3:26-10 '65

OLEOMARGARINE

Structural and mechanical properties of margarine produced with the use of dry milk protein as emulsifier. N. I. Kozin, V. V. Sainikov. Mash. zhizn. prom. 33 no 3 15-19 Mi '67

OLESHA, IURII KARLOVICH, 1890-1960

Problems of the intellectuals in the works of I. U. K. Olesha. A. A. Vereshchagina. Trudy Lit. un. 33 131-136 '64

OLFACTORY NERVE

Effect of transient and lasting algosic stimulations on the activity of the olfactory analyzer. I. B. Verzhik, Fiziol. hum. [Ukr.] 13 no 3:111-111 My-Jc '67

Morphology of olfactory bulbs in Artibeus f. marmoset. I. A. F. Valadze. Vest. AN BSSR, Ser. biol. nav. no 2 65-91 '67

Rhythmical fluctuations of brain electrical activity in vertebrates. Report No. 1. Rhythmical fluctuations of the electrical activity of olfactory analyzer in vertebrates. V. I. Gusevich, K. G. Gusevich, G. S. Voronkov. Nauch. dokl. vys. shkoly, biol. nauk. 10 no 1 45-58 '67

OLIVE—DISEASES AND PESTS see subdivision under Georgia

OMSK—FOOD INDUSTRY—MANAGEMENT

In an ordinary food market. G. V. Vladimirov. Sov. tolg. 40 no 5:24-25 My '67

OMSK—MOTORBUS TERMINALS

New motorbus terminal in Omsk. L. K. Kobits. Avi. transp. 15 no 5 25 My '67

OMSK—PAYMENT

On some changes in payment procedures. G. Nechaev. Den. i kred. 25 no 5 52-54 My '67

OMSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

About the work of the Omsk Province committee of the CPSU. Prizhizn. no 10 3-9 My '67

OMSK PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Permanent cadres of machinery operators. V. Orlov. ko. Prof. i tekhn. obs. 21 no 3:22-23 Mr '67

OMSK PROVINCE—FRUIT TREES

Use of almatine and atrazine in orchards in Omsk Province. N. Z. Milashchenko, I. F. Borovik. Khim. v sel'. kh. 5 no 5:45-48 '67

OMSK PROVINCE—ROAD MATERIALS

Economic effect of the use of local materials. N. Oleinik, O. Slavutskiy. Avi. dor. 30 no 5:9 My '67

OMSK PROVINCE—SEED SCREENINGS

Provide anniversary harvest with high quality certified seeds. G. Levitskiy. Zakup. sel'khoz. prod. no 2 27-20 F '67

ONCOLOGY

50 years of Soviet oncology. N. N. Blokhin. Vest. AMN SSSR 22 no 5:3-8 '67

Study of energetics of tumors and normal tissues with different sensitivity to alkylating agents. R. V. Bliz. Vop. med. khim. 13 no 3:307-313 My-Jc '67

ONIONS

Obtaining of polyphenol compounds from the scales of Allium cepa. V. A. Bendukova, G. L. Shynkachenko. Farmats. zhur. 22 no 2:54-58 '67

ONIONS—GRADING

Machine for onion sorting. B. I. Tetelev, I. F. Semenov. Trakt. i sel'khoz. mash. no 5:31-32 My '67

ONIONS—THERAPEUTIC USE

The onion. I. Red'uk. Zakup. sel'khoz. prod. no 2:56-57 F '67

ONTOGENY

Dynamics of the development of the basic characteristics of the nervous system in ontogeny. V. O. Troshchikhin, V. V. Syrovitskiy, L. D. Tykhomyrova. Fiziol. zhur. [Ukr.] 13 no 3 261-300 My-Jc '67

Prenatal and postnatal anatomy of the umbilical vein. G. E. Ostroverkhov, A. D. Nikol'skii. Arkh. anat., gist. i embri. 52 no 5 51-56 My '67

OPARY GAS FIELD—GAS FIELD DEVELOPMENT

Grouping measuring and control points of wells in Opary field. G. M. Zamiatina. Gaz. delo no 3 31-39 '67

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Conference on increasing the stability of open-hearth furnace arches. Ogneupoy 32 no 4:61-62 '67

Features of the technology of metal desulfurization in 650- and 800-ton capacity open-hearth furnaces. I. I. Bornaishvili, B. P. Sinigovskiy. Met. i gornorud. prom. no 2 17-20 Mr-Apr '67

Performance of 350-ton tilting open-hearth furnaces during steam supply into air checkerworks. V. S. Kochko and others. Met. i gornorud. prom. no 2 49-50 Mi-Apr '67

Testing dinas bricks with an addition of titanium alumina slag in the lower structure of open-hearth furnaces. A. I. Bichurina and others. Ogneupoy 32 no 1 27-20 '67

Testing forsterite refractories in the brickwork of open-hearth furnace walls. Sh. M. Beiman and others. Met. i gornorud. prom. no 2 61-62 Mr-Apr '67

Use of anhydrous magnesia roof refractories. A. S. Pienkei and others. Ogneupoy 32 no 5 29-36 '67

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Highly heat-resistant stopper plugs. M. I. Kolesnik and others. Ogneupoy 32 no 1 6-8 '67

OPEN-HEARTH FURNACES—FUEL CONSUMPTION

Effective methods for using natural gas for heating open-hearth furnaces. S. M. Andonov and others. Gaz. prom. 12 no 5:22-24 My '67

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Further increase in the resistance of hearths of steel smelting furnaces. I. G. Khazchenko and others. Met. i gornorud. prom. no 2 86-87 Mr-Apr '67

Rotary-belt equipment for patching open-hearth furnaces. V. M. Gubanov and others. Met. i gornorud. prom. no 2:67-68 Mr-Apr '67

OPEN-HEARTH PROCESS

Work method of measuring labor productivity in blast furnace and open-hearth production. A. I. Reinstein. Vop. khim. no 3 7-70 '69

OPEN-HEARTH PROCESS—EQUIPMENT AND SUPPLIES

Norms for the consumption of metal charge mixtures and ferroalloys in the production of open-hearth steel in metallurgical plants of the South Ural Regional Economic Council. K. P. Lomina, L. A. Magidson. Teor. i prakt. met. no 7 267-276 '64

OPERATIONS, SURGICAL

Anitoxic function of the liver in hyperthyroid form of goiter in persons over 50 and the effect of surgical treatment on it. T. K. Mrozek. Khim. khir. no 3: 22-24 Mi '67

Asphyxia resulting from tracheomalacia in operations for goiter. B. G. Plotnitskiy, N. P. Ushakov. Khim. khir. no 3:73-74 Mr '67

Reaction of patients with thyrotoxic goiter to extrathyroid surgical interventions. A. M. Seidenitskiy, Khim. khir. no 3:18-22 Mr '67

OPERATIONS RESEARCH

Determination of essential parameters of complex technological processes. I. G. Zvedgindze. Soob. AN Gruz. SSR 46 no 2:415-422 My '67

Effect of disturbances on a schedule. L. I. Felgin. Izv. AN SSSR, Tekh. kib. no 1:14-17 Ja-F '67

Optimal preventive maintenance in some complex systems. S. N. Dranitsyn. Izv. AN SSSR, Energet. i transp. no 1 62-102 Ja-F '67

Problem of servicing complex technological systems. E. U. Barzlovich. Izv. AN SSSR, Tekh. kib. no 1:65-75 Ja-F '67

Relative force of set-theoretical operations. N. V. Ivanova. Izv. vys. ucheb. zav. i mat. no 6:43-53 Je '67

OPERATIONS RESEARCH—CONGRESSES

Fourth International Congress on Operations Research. I. A. Mstakov. Izv. AN SSSR, Tekh. kib. no 1:100-102 Ja-F '67

OPERATIVE DENTISTRY see Dentistry, Operative

OPERATIVE SURGERY see Surgery, Operative

- OSCILLATORS, TRANSISTOR—RELIABILITY**
Generator redundancy. V. V. Klimov. Radiotekhnika 22 no. 5 102-103 My '67
- OSCILLOGRAPHY**
Determining the mechanical characteristics of asynchronous motors by oscillography. K. I. A. Berman, K. A. Chikunov. Sudostroenie 57 no. 3-40-13 My '67
One-step method for obtaining an oscillogram. B. I. Petrov, R. M. Sobol', V. A. Vasilchukh. Zhur. nauch. i prikl. fiz. i khim. 12 no. 2 116-117 Mr-Apr '67
- OSIPENKO, POLINA DENISOVNA, 1907-1930**
Assaulting the heights. V. G. Gidulova. Kiy. i od. 18 no. 5-11 My '67.
- OSKOETS RIVER—RUNOFF**
Estimation of the effect of the exploitation of iron ore deposits of the Kursk Magnetic Anomaly on the regime of the flow of the Oskolits River. B. M. Dababunov, I. N. Obiztsov, B. S. Ustunhanin. Trudy GGI no. 139 206-223 '67
- OSSETES**
A session discussing the problem of the ethnic origin of the Ossetes. I. M. Miziev. Sov. arkh. no. 2 296-298 '67
- OSSETIA, NORTH—BISON**
Bison in North Ossetia. A. S. Buchan. Priroda no. 5 107-108 My '67
- OSSETIA, NORTH—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Kuchiev, A. G. [The unity of ideological and organizational work, experiences of the North Ossetia province party organization] Edinsoe ideologicheskoi i organizatsionoi raboty, iz opyta raboty Severo-Osetinskoi oblasti pri partiinoy organizatsii Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1964. 70 p (CSU-11)
- OSSETIA, NORTH—CORN (MAIZE)—FERTILIZERS AND MANURES**
Effect of irrigation and fertilizers on the chemical composition of the VIR 267 hybrid corn. I. N. Sagunova. Khim. v sel' skhoz. 5 no. 6 6-8 Ju '67
- OSSETIA, NORTH—CORN (MAIZE)—IRRIGATION**
Effect of irrigation and fertilizers on the chemical composition of the VIR 267 hybrid corn. I. N. Sagunova. Khim. v sel' skhoz. 5 no. 6 6-8 Ju '67.
- OSTANKINO (MOSCOW PROVINCE)—DESCRIPTION AND TRAVEL**
A New Year's picture story from Ostankino television station. Sov. rad. i tel. 16 no. 1-21-25 Ja '67.
- OSTANKINO (MOSCOW PROVINCE)—TELEVISION STATIONS**
A New Year's picture story from Ostankino television station. Sov. rad. i tel. 16 no. 1-24-25 Ja '67.
- OSTEOCHONDROSIS**
Significance of the "stretching and back impulse" in lumbar osteochondrosis. I. E. Skifanskii, Vop. neirokhir. 31 no. 2, 51-52 Mr-Apr '67
- OSTRACODA, FOSSIL see sub division under Russian Platform**
- OSTROVSKII, ALEKSANDR NIKOLAEVICH, 1823-1886**
A. N. Ostrovskii's satire of the second half of the 1870's. G. Pirogov. Uch. zap. MGPI no. 213 273-301 '64
- OSTROVSKII, IAKOV MOISEVICH, 1907-1964**
I. A. Ostrovskii on his 60th birthday. Elek. sta 38 no. 5 95 My '67
- OSTROVSKII, NIKOLAI ALEKSEEVICH, 1904-1936**
Fulfill the wishes of the author. M. Kolosov. V mire knig no. 3, 40-41 '67.
- OTOLITHS**
Time of the development of annual rings on otoliths of the Black Sea saurel, T. E. Safianova, N. I. Revina. Ryb. khoz. 43 no. 5 12-14 '67.
- OVARIES—DISEASES**
Torsion of ovarian cysts in children. A. S. Buklin. Klin. khir. no. 3, 61-62 Mi '67.
- OVARIES—RUPTURE**
Spontaneous ruptures of the ovaries in steroid therapy. A. M. Korolev. Sov. med. 30 no. 5 116-119 My '67
- OVENS**
Improving single-oven. I. Ponomarev, P. Teipigorev. Mias. ind. SSSR 38 no. 5-26-26 My '67
Rotary baking oven. V. V. Nashchokin. Khleb. i kond. prom. 11 no. 5-10-12 My '67.
- OVERVOLTAGE**
Polarization during hydrogen evolution on Sn-Cd alloy. M. S. Grilikhs, B. S. Krasikov. Vest. LGU 22 no. 4, 101-105 P '67.
- OVUM**
RNA synthesis in Rana temporaria oocytes following enucleation. Zh. G. Shmel'ing. Mol. biol. no. 1 83-93 Ja-I '67
- OWYHEEITE see sub division under Transbaikalia**
- OXALATES**
Some problems of producing thermally decomposable oxalate photographic emulsions. M. S. Borodina and others. Zhur. nauch. i prikl. fiz. i khim. 12 no. 2-127-135 Mr-Apr '67
- OXALIC ACID**
Determination of stability constants of oxalate complexes of zinc in potassium chloride solutions. V. I. Kravtsov, V. N. Chamaev. Vest. LGU 22 no. 4 94-100 F '67.
- OXAZOLE**
Study of copolymerization of 2-[(4-vinyl)phenyl]-5-phenyl-1,3-oxazole with styrene by the polarographic method. V. D. Bezuglyi and others. Vysokom. sood. Ser. A 8 no. 4 889-893 Ap '67
- OXIDATION**
Automatic check of the acid number during paraffin oxidation. V. B. Danets. Kontr. i izm. tekhn. no. 3-11-117 '66.
Biochemical and chemical oxidizability of some compounds. I. G. Khaitonova, N. G. Sklovskaya. Neftekhim. i neftekhim. no. 3 14 '67
Catalytic oxidation of propylene on silver. Part I. Use of catalysts containing no additives. L. M. Kaliberdo and others. Kin. i kat. 8 no. 2 163-165 Mr-Apr '67.
Effect of hydrodynamic factors and relationship between initial reagents on the process of oxidation of natural gas in a fluidized bed of a catalyst. I. P. Khukhlenov, E. M. Zimina, A. I. A. Arlukh. Zhur. prikl. khim. 40 no. 3 535-542 Mr '67.
Effect of plasticizers on the oxidative destruction of cellulose butyrate acetates. L. N. Mainin, K. P. Gavrilova, S. V. Vinogradov. Plast. massy no. 5 28-30 '67
Effect of quality of stock on oxidation of pentaerythritol in forming slate. T. P. Burmistrova, V. V. Nesmetov, N. N. Terpilovskii. Neftekhim. i neftekhim. no. 2 38-40 '67
Experience in the operation of industrial apparatus for the partial oxidation of sulfur dioxide in a fluidized bed of catalyst. E. S. Rumiantseva and others. Khim. prom. 42 no. 6, 48-50 Ju '66.
Functions of catalyst in liquid-phase oxidation of cyclohexanone. K. V. Chepurinskii, V. N. Maip'tsev. Neftekhim. i neftekhim. 7 no. 2 264-269 Mr-Apr '67
Investigating oxidation of 2-isopropylpyridine by molecular oxygen. G. N. Kirichenko and others. Neftekhim. i neftekhim. 7 no. 2 254-259 Mr-Apr '67.
Liquid-phase oxidation of alkylaromatic hydrocarbons. M. I. Tarbetov and others. Khim. prom. 42 no. 9, 12-16 S '66.
Mechanism of action of boric acid on liquid-phase oxidation of alkanes. F. I. Novak and others. Neftekhim. i neftekhim. 7 no. 2 248-253 Mr-Apr '67.
Mechanism of oxidation of cations of lower valence by oxygen in aqueous solutions. L. K. Lepin', B. P. Mal'seevskii. Dokl. AN SSSR 173 no. 6 1336-1338 Ap '67
Mechanism of oxidation of isopropylbenzene on copper phthalocyanine. A. I. Min'kov, N. P. Keiser, V. F. Anufriyenko. Kin. i kat. 8 no. 2 387-392 Mr-Apr '67.
Metal oxidation in open-hearth furnaces and oxygen-blow converters. V. I. Avolskii and others. Izv. AN SSSR, Met. no. 2 15-22 My-Je '67
Oxidation of Fe²⁺ ions in aqueous solutions by ruby laser emission. A. V. Egunov, V. V. Kozhkin. Khim. i tekhn. energ. 1 no. 3 202-201 My-Je '67
Possible classification of phenomena of internal oxidation of binary alloys. I. U. Kormanov, L. A. Filatova, Zashch. met. 3 no. 3 354-358 My-Je '67.
Preparation of 110 decanedioic acid by liquid-phase oxidation of cyclohexanone. K. M. Sokolov and others. Neftekhim. i neftekhim. 7 no. 2, 270-273 Mr-Apr '67.
Reaction of β -sitosterol oxidation by hydrogen peroxide. M. V. Mukhina, A. M. Khaletskii, Zhur. ob. khim. 37 no. 4 826-828 Ap '67
Role of specific solvation in the mechanism of elementary stages of oxidation processes. G. I. Zalkov and others. Dokl. AN SSSR 173 no. 1-127-130 My '67.
Study of the catalytic oxidation of hydrogen on silver by means of adsorption calorimetry. V. E. Ostrovskii. Kin. i kat. 8 no. 2 371-378 Mr-Apr '67
Study of the oxidation of sulfur dioxide in the fluidized bed of the catalyst. V. Sh. Keimerman and others. Khim. prom. 42 no. 6, 13-15 Ju '66.
Synthesis of ethyl acetate by direct oxidation of ethyl alcohol. G. D. Zalkov and others. Neftekhim. i neftekhim. 7 no. 2, 260-263 Mr-Apr '67.
Technical and economic analysis of incomplete oxidation of natural gas. S. F. Gudkov, A. A. Zalevskii, E. A. Pogrebetskii. Gaz. prom. 12 no. 5 46-48 My '67.
Uninterrupted oxidation of oil. Zh. I. Bezugodova and others. Khim. prom. Ukr. no. 5 53-54 S-O '66
Use of ultrasonic waves in the electrochemical oxidation of potassium manganate to permanganate. A. P. Gindis. Khim. prom. Ukr. no. 5, 14-16 S-O '66.
- Vapor-phase oxidation of methylacetylene over heterogeneous catalysts. I. I. A. Poltavchenko, N. I. Popov. Kin. i kat. 8 no. 2 335-339 Mr-Apr '67
- Lithium oxidation under low pressures. V. V. Vorob'ev, L. N. Rakhnikov. Izv. AN SSSR, Met. no. 2 225-227 My-Je '67.
- OXIDATION, ELECTROLYTIC**
Electrochemical oxidation of manganese chloride in hydrochloric acid solutions. V. V. Stender, V. N. I. Zhur. prikl. khim. 40 no. 3 570-576 Mi '67
Preliminary data on the effect of ultrasonic vibrations on the process of electrochemical oxidation of potassium manganate to potassium permanganate. A. P. Gindis. Khim. i tekhn. energ. 1 no. 2-102-105 '66
Selecting the optimum regime and evaluating the quality of anodic films in anodic oxidation of aluminum in sulfuric acid solutions. A. F. Bogoyavlenskii, N. M. Vovodina. Zhur. prikl. khim. 40 no. 3 563-569 Mi '67.
- OXIDATION, PHYSIOLOGICAL**
Oxidative and glycolytic activity of *Brucella* of different virulence. P. A. Vershilova, E. A. Drenovskaya, I. I. Lai'fonova. Zhur. mikrobiol. i epid. i immun. 11 no. 3, 37-42 My '67
- OXIDATION-REDUCTION REACTION**
Charging of oxidation catalyst surface in the adsorption of propylene-oxygen mixtures. L. I. Dababunova, V. V. Krylova, L. I. A. Maigolis. Kin. i kat. 8 no. 2 161-167 Mr-Apr '67.
Oxidation-reduction conditions of light mechanical coupling in soils in Meshechev Island. I. S. Kozlovskii, V. S. Shishova. Pochvovedenie no. 5 66-70 My '67
Reduction by carbon of silicon and calcium from their oxides. I. U. S. Maksimov and others. Izv. AN SSSR, Met. no. 2 242-14 My-Je '67
Ultrastructure of *Brucella*. Report No. 3: Morphological characteristics of the oxidation-reduction process in cells of *Brucella*. V. V. Vygodskii, I. A. Dababunova. Zhur. mikrobiol. i epid. i immun. 41 no. 5 145-148 My '67.
- OXIDE ELECTRODES see Electrodes, Oxide**
- OXIDES**
Catalytic conversions of thiophene on oxide and metal sulfides. A. V. Mashkina, I. S. Sukhatava, V. I. Churav. Neftekhim. i neftekhim. 7 no. 2 301-304 Mr-Apr '67.
- OXIDIZING AGENTS**
Effect of oxidizing agent additives in steel pickling on the adhesion of enamel coatings. L. S. Savin, V. V. Chukhrikova, L. F. Salamakha. Zashch. met. i kor. 3 no. 3 142 My-Je '67
- OXIMES**
Infrared spectra of complexes of some dioximes with Ni(II). I. U. S. Drugov, Vest. Mosk. un. Ser. 2 Khim. i fiz. no. 2 102-106 Mi-Apr '67.
- OXO PROCESS**
Thermal decomposition of cobalt carbonyl in the process of oxo synthesis. D. P. Krinkin, D. M. Rudakovskii, A. G. Trifol'. Zhur. prikl. khim. 40 no. 3 611-614 Mi-Apr '67.
- OXYGEN—EFFECT ON PLANTS see Plants, Effect of oxygen on**
- OXYGEN—INDUSTRIAL APPLICATIONS**
Kinetics and control of the decarburization process during the blowing of an electric furnace bath with oxygen. I. M. Khaletskii, Teor. i prikl. khim. no. 5 53-58 '64.
Theoretical bases of combustion processes in the oxygen zone of a bed charge in coke and coke gas cupolas. V. A. Foklov, A. A. Oksak, F. F. Subkhankulov. Izv. AN Uz. SSR, Ser. tekhn. nauk 10 no. 5, 73-79 '68.
- OXYGEN—PHYSIOLOGICAL EFFECT**
Changes in brain acetylcholinesterase activity after a prolonged stay of animals in hyperoxic environment. N. S. Dremeev, G. V. Troshikhin. Dokl. AN SSSR 171 no. 1-246-248 My '67.
- OXYGEN IN THE BODY**
Oxygen exchange and blood supply in tumors and normal tissues. I. U. I. Rampan. Vest. AN SSSR 22 no. 5 61-67 '67
Study of the correlation of the bioelectrical cerebral activity and oxygen consumption under vibration effect. L. D. Lukianova, E. P. Kazanskaya, Fiziol. zhur. 54 no. 5, 563-570 My '67.
- OXYGEN ISOTOPES**
Determination of growth temperatures of some recent and fossil mollusks with respect to $\delta^{18}O/\delta^{16}O$ ratio in their skeletal formations. A. V. Zhrumskii and others. Geokhimiya no. 5 543-552 My '67
Determination of the formation temperatures of hydrothermal quartzes by isotopic oxygen ratios. F. I. Dababunova, G. B. Naumov. Geokhimiya no. 5, 553-558 My '67.

PAPER INDUSTRY

(See also subdivision under **Mirl A.S.S.R.**)

- Algorithms of the flow of raw materials and supplies in storage areas of a cellulose-paper combine. A. S. Ginzburg, no. 11, 176. *Mekh. i avtom. upr.* no. 2, 1-7. **Mr-Apr '67.**
- Conference on the design and manufacture of papermaking equipment. *Bum. prom.* no. 5, 11-13. **3 My '67.**
- Kuznetsov, L. D. [Theory of processes of the formation and delamination of paper stock] *Teoriya protsessov otvoda i obezvozhivaniya bumazhnoi massy*. Moskva, *Leninskaya promyshl.*, 1967. 281 p.

PAPER INDUSTRY—EQUIPMENT AND SUPPLIES

(See also subdivision under **Kotlas, Archangel Prov.**)

- Design of hydrobeaters and their classification. A. A. Gaidar, *Bum. prom.* no. 5, 17-19. **4 My '67.**
- International Congress on Automation and Use of Computer Technology in the Paper Industry. I. P. Tsvetkov, G. A. Lindzich. *Bum. prom.* no. 5, 27-29. **4 My '67.**
- Study of the stressed state of linings in digesters. V. M. Litvinenko, A. V. Molodtsov. *Bum. prom.* no. 5, 21-23. **4 My '67.**

PAPER INDUSTRY—MANAGEMENT

- Basic directions of the scientific organization of labor in the enterprises of the paper industry. N. A. Safonov. *Bum. prom.* no. 5, 1-4. **4 My '67.**
- Conference-termini on labor economics and the introduction of scientific organization of labor in the enterprises of the paper industry. *Bum. prom.* no. 5, 11-12. **2 My '67.**
- Methodology of the transfer to a new economic system. I. P. Loshakov. *Bum. prom.* no. 5, 25-26. **4 My '67.**

PAPER INDUSTRY—RESEARCH

- Research work at the enterprises of the paper industry. R. V. Hrubkin. *Bum. prom.* no. 5, 15-16. **4 My '67.**

PAPER MILLS see subdivision under **Malin District**

PARABOSIS

- Effect of immunization by antigens from a heterologous and autologous liver on metastasizing of Walker's carcinoma in paracard rats. *Bull. eksp. biol. i med.* 61 no. 6, 91-96. **11 '67.**

PARACHUTING

- An excellent, wonderful sport. M. Zelfvenskii. *Kryl i rod* no. 5, 8-9. **4 My '67.**
- For the "Golden Sands" cup. D. Zhornik. *Kryl i rod*, 17 no. 1, 14-15. **11 '66.**
- The vocalization of the landing force. V. Mart'yn. *Kryl i rod*, 18 no. 5, 22. **4 My '67.**
- "I know happiness, I have seen the sky!" R. Krupnikov. *Kryl i rod*, 18 no. 5, 27. **4 My '67.**
- S. Hann Savitskaya, her character and records achieved. I. Komolodtsov. *Mol. komm.* no. 5, 86-90. **4 My '67.**
- Training a relay in the air. S. Kiselev. *Kryl i rod*, 18 no. 5, 10-11. **4 My '67.**

PARAFFIN OILS

- Viability of yeast cultures after storage in vaseline oil. M. V. Petrova. *Mikrobiologiya*, 35 no. 2, 350-351. **4 My '67.**

PARAFFIN WAX

- Investigating the conditions of paraffin deposition in fields of the "Permian" combine. G. A. Chirva. *Nefteprom. delo* no. 5, 17-20. **4 My '67.**
- Udachyev, V. V. [Carbamide dewaxing] *Karbamidnaya deparaffinizatsiya*. Moskva, Khimika, 1967. 235 p.

PARAFFINS

- Analysis of the soap mass after carbonated saponification of oxidized paraffin. M. P. Besplatov and others. *Masi, shir. prom.* 33 no. 1, 21-22. **4 My '67.**
- Automatic check of the acid number during paraffin oxidation. V. H. Dunets. *Khimiya i fizika tver. tel.* no. 3, 111-117. **4 My '66.**
- Determining the starting temperature of paraffin crystallization in petroleum. V. N. Abramov, A. G. Kovalev. *Nefteprom. delo* no. 5, 20-22. **4 My '67.**
- Extracting bifunctional acids from sludge and wash waters. I. S. Pikhina, V. I. Babayev. *Masi. shir. prom.* 33 no. 4, 16-19. **4 My '67.**
- Leit acid; catalysts for paraffin hydrocarbon dehydrogenation. B. A. Kazanskii and others. *Khim. prom.* 12 no. 11, 1-4. **4 My '66.**
- Monomers for the selectivity of liquid phases. R. I. Sidorov, A. N. Dmitriyenko. *Khim. i tekhn. topl. i masl.* 12 no. 5, 26-29. **4 My '67.**
- Mechanism of action of boric acid on liquid-phase oxidation of naphthalene. P. I. Novak and others. *Neftekhimiya*, 7 no. 2, 213-253. **4 My '67.**
- Method for the quantitative determination of normal C₁₀-C₁₆ alkanes in narrow benzene fractions. V. A. Matishchev. *Khim. i tekhn. topl. i masl.* 12 no. 5, 56-59. **4 My '67.**
- Polymers of propyne-butane mixture in jet plasma. A. L. Smirnov, S. N. Shorin. *Khim. vys. energ.* 1 no. 3, 261-267. **4 My '67.**

Reduction of saturated dibasic acids on copper-chromium and zinc-chromium catalyst. V. V. Gromova, V. A. Pirogovskiy, V. I. Yakovlev. *Zhur. prikl. Khim.* 40 no. 3, 512-514. **4 My '67.**

Separating normal paraffins from gasoline fractions using molecular sieves. I. A. V. Mirskii, A. Z. Dorogochinskiy, N. I. Magedi. *Nefteprom. delo* no. 4, 22-26. **4 My '67.**

Studying individual composition of n-paraffin hydrocarbons of Baku petroleum. G. G. Ashurov and others. *Azerb. ref. khoz.* 46 no. 4, 36-37. **4 My '67.**

Trichloromethyl silane as activator of dehydrocyclization reaction of paraffin hydrocarbons. A. K. Zhornov and others. *Nefteprom. delo* no. 4, 33-36. **4 My '67.**

PARAFORMALDEHYDE

Condensation of chloromethyl-substituted olefins with para-formaldehyde in the presence of K₂U-2. V. I. Isagulyants, V. R. Melnikov. *Dokl. AN Arm. SSR* 44 no. 3, 115-120. **4 My '67.**

PARAGANGLIA see **Chromaffin system**

PARAGENESIS

[Petrology of coal and the paragenesis of fuel minerals] *Paragenez uglei i paragenez goruchikh iskopaemykh*. Moskva, Nauka, 1967. 145 p.

PARAMAGNETIC RESONANCE AND RELAXATION see **Electron paramagnetic resonance**

PARAMAGNETISM

Kinetics of low temperature photoinduced recombination of paramagnetic centers in irradiated glycine. E. N. Sudzhina and others. *Khim. i tekhn. topl. i masl.* 1 no. 3, 261-267. **4 My '67.**

PARAMETRIC AMPLIFIERS

Parametric videoamplifier. V. A. Arbutnov, V. N. Bel'dugin. *Tekhn. i tekh. fiz.* 11 no. 5, 37-60. **4 My '67.**

PARASITES—BARK BEETLES

Nematodes of Scolytus scolytus L. from eastern Georgia. G. A. Kaskulova, T. S. G. Devdariani. *Soob. AN Gruz. SSR* 16 no. 2, 469-474. **4 My '67.**

PARASITES—BATS

Gamasid mites in bats of Azerbaijan. A. T. Gadzhiev, T. A. Dubovchenko. *Izv. AN Azerb. SSR. Ser. biol. nauk* no. 6, 19-51. **4 My '66.**

PARASITES—BEAUVERIA see subdivision under **Ukraine**

PARASITES—BEETLES

Chalcid flies of the genus *Hibrocystus* Thoms., parasites of *Anthonomus pomorum* L. P. A. Dobresmyslov. *Uch. zap. Kazan. univ.* no. 34, 116-123. **4 My '66.**

PARASITES—CARP

Effect of various foods on changing numbers of *Elmexia carpi* oocysts in carp. I. I. Zmerizata, I. V. Goshnorkh. *Bi. 229-233*. **4 My '67.**

PARASITES—DOGS see subdivision under **Yamal Peninsula**

PARASITES—FISHES see subdivision under **Mordovia, Vakhsh Valley**

PARASITES—FUR-BEARING ANIMALS see subdivision under **Khanty-Mansi National Area**

PARASITES—HEART see **Heart—Parasites**

PARASITES—MOLLUSKS

Characteristics of trematode larvae in freshwater mollusks of Kyzyl-Agach Preserve and adjacent region. I. V. Kiselev. *Izv. AN Azerb. SSR. Ser. biol. nauk* no. 6, 55-61. **4 My '66.**

PARASITES—MUSKRATS see subdivision under **Mordovia**

PARASITES—REINDEER see subdivision under **Russia, Northern**

PARASITES—RODENTS

(See also subdivision under **Minsk region**)
Organization of control of forest murine rodents and their ectoparasites in the forest of some natural infections. S. A. Shilova, M. B. Azarman, I. U. M. Schachidlov. *Med. parazit. i parazit. bol.* 36 no. 3, 301-307. **4 My '67.**

PARASITES—WOLVES see subdivision under **Mordovia**

PARASYMPATHOLYTIC AGENTS

Effects of quateron on the secretion and chemism of bile. G. A. Burnazian, E. S. Sokolov. *Zhur. eksp. i klin. fiz.* 7 no. 2, 10-16. **4 My '67.**

Keen observations of the effect of quateron in hyperlensism. T. S. Matsakanov, B. A. Baracgian. *Zhur. eksp. i klin. med.* 7 no. 2, 31-35. **4 My '67.**

PARASYMPATHOMIMETIC AGENTS

Excretion of acetylcholine by the gastric mucous membrane and its quantitative changes under the effect of ganglion and quaterone. I. L. Virabian. *Zhur. eksp. i klin. med.* 7 no. 1, 13-24. **4 My '67.**

PARATYPHOID FEVER—MICROBIOLOGY

Biological properties and chemical nature of antigens of paratyphoid bacilli. L. K. Stepanova and others. *Zhur. mikrobiol., epid. i immun.* 14 no. 6, 638-42. **4 My '67.**

PARATYPHOID FEVER—PREVENTIVE INOCULATION

Comparative study of the reactogenicity and immunological effectiveness of typhoid-paratyphoid-tuberculous vaccines in aerosol and subcutaneous introduction during vaccination. N. I. Aleksandrov and others. *Zhur. mikrobiol., epid. i immun.* 14 no. 1, 15-20. **4 My '67.**

PARENTS' AND TEACHERS' ASSOCIATIONS

(See also subdivision under **Kostroma Province**)

Drawing the parents into the realization of universal elementary education in schools. A. V. Skripnik. *Uch. zap. Ped. inst. Gork.* no. 2, 218-266. **4 My '66.**

PARIS—COMMUNE, 1871

The undying flame; an article dedicated to the 96th anniversary of the Paris Commune. Max Lomon. *Agitator* no. 5, 12-14. **4 My '61.**

PARIS—EXHIBITIONS

Soviet furniture in Paris. R. Sevost'yanov. *Vnesh. torg.* 47 no. 1, 35-36. **4 My '67.**

PARIS—MOTION PICTURE STUDIOS

Combined motion-picture and television studio. V. G. Lukachev. *Tekhn. i tekh. fiz.* 11 no. 5, 81-81. **4 My '67.**

PARIS—TELEVISION—EQUIPMENT AND SUPPLIES

Combined motion-picture and television studio. V. G. Lukachev. *Tekhn. i tekh. fiz.* 11 no. 5, 81-81. **4 My '67.**

PARKS see subdivision under **Krasnodar region (Ukraine)**

PARTIAL DIFFERENTIAL EQUATIONS see **Partial differential equations, Partial**

PARTICLE ACCELERATORS

Acceleration of an intensive proton beam by a transformer-type unit. E. A. Abramyan, V. V. Vecheslavov. *Atom. energ.* 22 no. 5, 100. **4 My '67.**

Acceleration of charged particles in moving traps created by electromagnetic waves. V. A. Davydovskii, I. M. Alekshev. *Zhur. eksp. i tekh. fiz.* 52 no. 4, 1068-1073. **4 My '67.**

Effective method of damping particle oscillations in fast and antiproton storage devices. G. I. Budker, *Atom. energ.* 22 no. 5, 316-348. **4 My '67.**

Portable ion source for a neutron accelerating tube. I. A. V. E. Gullugan, L. A. Khutsishvili. *Uch. zap. Kazan. univ.* no. 29, 87-92. **4 My '66.**

Use of the method of particle injection through foil in determining the phase volume of the storage device of the cyclic accelerator. M. I. Khofits, *Zhur. tekh. fiz.* 37 no. 6, 1068-1073. **4 My '67.**

Using the method of charge exchange injection in experiments of producing intensive proton beams. G. I. Budker, G. I. Dimov, V. G. Duntkov. *Atom. energ.* 22 no. 5, 110-356. **4 My '67.**

PARTICLE SIZE DETERMINATION

(See also subdivision under **Antarctic regions**)

Dependence of optimum and critical size of flotation particles on acceleration of pulp stirring. N. V. Matyashenko. *Tsvet. met.* 40 no. 5, 29-30. **4 My '67.**

Determining the granulometric composition of the ground mass for the solution of certain technological problems. A. A. Lebedkova, Z. G. Kalumov. *Izv. AN Uz. SSR. Ser. tekhn. i tekhn. nauk* 11 no. 3, 56-59. **4 My '67.**

Determining the specific surface of powders by the modified gas filtering method. R. L. Gurechuk. *Tsvet. met.* 7 no. 5, 2-6. **4 My '67.**

Methods of calculating the specific surface of mineral particles measured by the BET method. R. L. Popov. *Izv. AN Uz. SSR. Ser. tekhn. i tekhn. nauk* 10 no. 5, 94-97. **4 My '66.**

Petolin, V. P. [Granulometric analysis of marine bottom sediments] *Granulometricheskii analiz morskikh dnoynykh osadkov*. Moskva, Nauka, 1967. 127 p.

PARTICLES (NUCLEAR PHYSICS)

Constant description of spin state of Fermi particles moving in external fields. I. M. Ternov, V. G. Bagdasaryan, V. A. Bordovitsyn. *Izv. vuz. uch. zap.* 11 no. 4, 11-45. **4 My '67.**

[Experimental study of particles] *Ekspperimental'nye issledovaniya chastits, sboinik statei*. Moskva, Znanka, 1967. 61 p. (Novoe v zhizni, nauka, tekhnika. IX Seriya Fizika, astronomiya, 6)

Quasi particles in the nuclear theory. A. B. Migdal. *Usp. fiz. nauk* 92 no. 1, 27-64. **4 My '67.**

Relativistic hyperspherical functions of three particles. G. I. U. Bogoslovskii, N. P. Klepikov. *Ad. fiz.* 5 no. 3, 1126-1133. **4 My '67.**

Relativistic virial theorem for the system of charged particles moving in an external electromagnetic field. N. B. Rubin. *Zhur. tekh. fiz.* 37 no. 6, 1001-1001. **4 My '67.**

ARTICLES (NUCLEAR PHYSICS)—DECA

Study of radiative decays and geometrical characteristics of the particle decay according to the scheme $\pi^+ \rightarrow \pi^0 + \pi^+ + \pi^-$. R. S. Guter, I. S. Krestnikov, T. A. M. V. Izv. Akad. Nauk SSSR, no. 5:1020-1036 My '67.

PARTICLES (NUCLEAR PHYSICS)—ELECTROMAGNETIC PROPERTIES

Electromagnetic radiation of neutral Fermi particles moving in external fields. I. M. Terinov and others. Izv. vys. ucheb. zav., fiz., no. 4:30-51 '67.

PASSIVATION

Initiation of the start of passivation and zero points of currents. V. P. Gerasimov, Zashch. met., 3 no. 1:151-152 My-Je '67.

FASTURELLA—CULTURES AND CULTURE MEDIA

Effect of calcium ions in culture medium and their effect on the growth of the plague microbe. L. I. Tarentova. Zhur. mikrobiol., epid. i immun., 44 no. 4:138 Ap '67.

PASTURES AND MEADOWS see subdivision under Goryn' Valley; Kyzylkum District; Moscow Province

PATENT LAWS AND LEGISLATION

(see also subdivision under Germany, West; United States; Yugoslavia)

Legal practice. Vop. izobr. no. 2:18-19 J '66.

Legal problems of scientific and technological progress in the U.S.S.R. I. Pravoye voprosy nauchno-tekhnicheskogo progressa v SSSR. Moskva, Nauka, 1967 510 p.

Legislative enactments. Vop. izobr. no. 10:15 O '66.

Protection of the nonproprietary rights of the author of inventions and developers. M. L. Ashimovskii. Vop. izobr. no. 2:19 J '66.

Some problems concerning the improvement of patent laws. S. I. Alekzon. Izv. vys. ucheb. zav. prav. no. 1:53-73 Ja-J '67.

PATENT PRACTICE

(see also subdivision under Germany, East; India; White Russia)

Examination of the engineering and technical importance and the profitability of inventions. V. G. Gromovskii. Vop. izobr. no. 7:18-21 J '66.

Examination of the patent purity of objects of complex projects and its documentation. V. M. Felgel'son. Vop. izobr. no. 11:30-32 N '66.

Practices of the Expert Council. Vop. izobr. no. 12:34-35 D '66.

Practices for formulating the claim for patenting an industrial object. Vop. izobr. no. 2:41-44 J '66.

Systems of deferred examination of a patent application. V. P. Shatrov, G. A. Matveev. Vop. izobr. no. 12:12-15 J '66.

PATENT PRACTICE—PRODUCTION STANDARDS

Systems for patenting and licensing operations at design organizations. V. G. Zhalkovskii. Vop. izobr. no. 12:25-27 D '66.

PATENT PRACTICE—STUDY AND TEACHING see subdivision under Leningrad

PATENT SEARCHING

Foreign experience in the field of mechanizing the search for and the processing of patent information. L. G. Kravets. Vop. izobr. no. 2:21-27 J '66.

Study and use of patent materials. M. I. Nefed'eva. Vop. izobr. no. 7:12-17 J '66.

Use of computers for the retrieval of specifications of inventions. M. P. Ushakov. Vop. izobr. no. 7:88-89 J '66.

PATENT SUITS

(see also subdivision under Europe, Eastern)

Examining inventors' disputes in socialist countries. L. A. Trakhtengerts. Vop. izobr. no. 11:10-14 N '66.

PATENTS

(see also subdivision under United Arab Republic; United States; Ural Mountain region)

Actual causes for your claims. M. Pleshakov. Izobr. i izob., no. 11:34-35 N '66.

Brief news. Vop. izobr. no. 2:45-47 J '66.

Calling of firm names by letters and numbers. B. N. Tardov. Vop. izobr. no. 12:10-20 D '66.

Difficulties of patenting. Izobr. i izob., no. 3:14-15 '67.

Figures and facts. Vop. izobr. no. 10:43-44 O '66.

From the pages of foreign magazines. Vop. izobr. no. 11:33-35 R '66.

Inventions, industrial samples, trademarks. Izobr. i izob., no. 44 no. 12 '67.

Patent departments of the Shell and Phillips companies. V. A. Obukhov, V. P. Shatrov. Vop. izobr. no. 11:24-26 N '66.

Patent service of the chief design and construction bureau. V. D. Vasil'ev, I. G. Guditskii. Vop. izobr. no. 2:28-32 J '66.

Patents, patents, "Patent." R. Timanovskii. NFO 9 no. 4:54-55 Ap '67.

Problems of organizing territorial patent funds. M. P. Chernenski. Vop. izobr. no. 2:18-20 J '66.

Storing microfilms of invention specifications. I. L. A. Scidlovov. Vop. izobr. no. 7:36-39 J '66.

Substantial novelty of inventions as a criterion for the grant of patents. A. S. Bizon. Vest. LGU 22 no. 5:125-130 M '67.

PATENTS—CLASSIFICATION

(see also subdivision under Germany, West; Great Britain; United States)

History of the development of the first systems of invention classification. P. N. Polokhin. Vop. izobr. no. 11:6-9 N '66.

PATENTS—INFORMATION SERVICES

The industrial printing enterprise "Patent." M. E. Kagan. Vop. izobr. no. 7:27-29 J '66.

Patent information and technical progress. E. I. Alekseev. Vop. izobr. no. 7:8-11 J '66.

Soviet scientists on patent information. Vop. izobr. no. 7:1-7 J '66.

PATENTS—TERMINOLOGY

Basic conceptions and terms of patent information. R. P. Vichrazhnii. Vop. izobr. no. 7:22-26 J '66.

PATENTS—TRANSLATING SERVICES

Modern conditions of the development of automatic translation systems. L. G. Kravets, A. L. Vastitskii. Vop. izobr. no. 7:53-57 J '66.

PATENTS (INTERNATIONAL LAW)

All-Union Chamber of Commerce as the patent attorney in the U.S.S.R. M. L. Gorodisskii. Vop. izobr. no. 10:12-13 O '67.

Foreign patenting is the first stage of the work in the selling of licenses. A. L. Kosarev. Vop. izobr. no. 10:22-25 O '66.

Tague agreement on international registration of designs. L. A. Inozemtsev, E. P. Gavrilov. Vop. izobr. no. 12:3-7 D '66.

Patenting of inventions should be on the level of present-day aims. L. A. Inozemtsev. Vop. izobr. no. 10:8-11 O '67.

PATHOGENIC FUNGI see Fungi, Pathogenic

PATHOLOGY

Clinical and laboratory characteristics of diseases caused by enteropathogenic Escherichia coli O124. B. S. Laikin. Zhur. mikrobiol., epid. i immun., 44 no. 4:127-128 Ap '67.

Clinical aspects, diagnosis and surgical treatment of the superior vena cava syndrome. L. I. Khomer, I. I. Iushanov, E. V. Potemkin. Vest. khir. 98 no. 4:18-21 Ap '67.

PATHOLOGY, CELLULAR

Changes in the cellular apparatus and intracellular substance of the retina following ionizing radiation. G. G. Kaibul. Azerb. med. zhur., 14 no. 3:22-25 Mr '67.

PATON PLATEAU—GEOMORPHOLOGY

Basic stages in the development of the relief of the Vitim-Patom Plateau. G. F. Lungershausen. Izv. Zashch. otd. Geog. ob-va SSSR 1 no. 3:96-107 '65.

PATON PLATEAU—METEORITES

Study of the Paton crater. Z. A. Krotova, I. U. L. Kandyba. Meteoritika no. 27:131-138 '66.

PATRIOTISM

Educating Soviet patriots. Sov. pedagog. 31 no. 5:13-10 My '67.

Educational role of school museums of battle glory. Z. G. Taymirtanova. Rad. shk. 46 no. 5:22-26 My '67.

The friendship of students and soldiers is growing stronger. A. S. Zolotukhin. Vest. vyzhiv. shkoly 25 no. 4:81-87 Ap '67.

Great moral power. Komm. Vooruzh. Sil 40 no. 11:42-48 Je '67.

Inculcating spirit of national courage in our youth. A. Zolotukhin. Voen.-ist. zhur. 9 no. 5:100-105 My '67.

Inculcating the heroic traditions. S. S. Sai. Rad. shk. 46 no. 6:16-21 My '67.

Patriotism and internationalism. A. S. Stepanov. Vech. sred. shkoly 10 no. 3:45-48 My-Je '67.

To love nature means to love one's country. V. M. Dykii. Rad. shk. 46 no. 6:26-28 My '67.

We should gather and disseminate experience in military and patriotic education, a review of articles. Vest. vyzhiv. shkoly 25 no. 4:87-91 Ap '67.

We tell children about their country. O. A. Kozhushko. Rad. shk. 46 no. 5:62-67 My '67.

PATRIOTISM—STUDY AND TEACHING

Along the paths of their fathers and Soviet heroes. N. A. Isenkov. Prof.-tech. obr. 23 no. 10:4-5 O '66.

The glory of these days will never fade. I. P. Skalskii. Vech. sred. shkoly 10 no. 3:52-53 My-Je '67.

One of the means for education in patriotism. V. A. Makarova. Vech. sred. shkoly 10 no. 3:43-44 My-Je '67.

Our evening gatherings, talks, and meetings. T. P. Bishik. Vech. sred. shkoly 10 no. 3:19-21 My-Je '67.

PATTERNMAKING

Automatic control of processes for the making of pattern compositions and patterns. I. V. Plimov, N. R. Roshin. Lit. proizv. no. 1:6-7 Ap '67.

PATTERNMAKING—EQUIPMENT AND SUPPLIES

Casting following form polymeric patterns. P. P. Baid, B. I. Uspenskiy, V. A. Pavlov. Lit. proizv. no. 5:5-6 M, '67.

New composition for low-melting patterns. L. E. Borodinskiy and others. Lit. proizv. no. 4:39 Ap '67.

PAVEMENTS

Characteristics of the deformations of pavements on soft soils. I. E. Fugencov, V. N. Abramov. Avi. dor. 30 no. 1:20-22 Mr '67.

Precast and removable pavements. V. Arkhipov, A. Goncharenko. Tyl. snab. Sov. Voor. Sil 27 no. 11:68-71 N '66.

Russia (U.S.S.R.). Glavnoe upravlenie po stroitel'stvo avtomobil'nykh dorog. [Instructions on building special types of nonrigid pavements.] Instruktsiya po raznachnykh konstruktivnykh dorozhnykh obozhd. nezhestkogo tipa. VI 103-57. [Ed. 3, perer. i dop.] Moskva, Avtostransizdat, 1957 70 p.

Shakhova, G. G., and N. E. Shmidt. [Decorative pavements; practice in foreign countries.] Dekorativnye dorozhnye pokrytiya, zarubezhnyi opyt. Moskva, Stroizdat, 1967 140 p.

PAVEMENTS, ASPHALT

Obtaining road asphalt of improved quality from Ural petroleum. A. V. Smirnova. Neftepr. i neftekhim. no. 1:17-21 '67.

PAVEMENTS, BITUMINOUS

Cold bituminous, granite and slag mixes. S. Samodurov. Tyl. snab. Sov. Voor. Sil 27 no. 11:71-72 N '66.

Experience in the production of road bitumens in industrial plants the new All-Union State Standard. L. S. Enikeeva and others. Neftepr. i neftekhim. no. 3:5-8 '67.

PAVEMENTS, CONCRETE

Asphalt-concrete pavements for heavy traffic. I. I. Balovtcheva. Avi. dor. 30 no. 4:19-20 Mr '67.

Calculation of reinforced concrete slabs for precast pavements of city streets. B. M. Lisitsyn. Nauk. i tekhn. vopr. khoz. no. 5:26-34 '66.

Colored concrete pavements based on polymer emulsion. B. D. Stavitskii. Avi. dor. 30 no. 5:28-29 My '67.

Pavement of soil-silicate concrete. L. S. Marchenko, V. I. Udobkov. Avi. dor. 30 no. 4:11-12 M '67.

PAVEMENTS, CONCRETE—MAINTENANCE AND REPAIR

Strengthening surface of concrete pavements by finosilicate coating. A. N. Il'inskiy, E. F. Il'arionov, E. L. Mal'hanov. Avi. dor. 30 no. 5:10 My '67.

PAVLENKO, BORIS ALEKSANDROVICH

Boris Pavlenko's birch tree. P. Kondukova. V. mire knig. 7 no. 2:10-20 '67.

PAVLODAR—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Important construction projects, time, and rates. G. Zhdenov. Nar. khoz. Kazakh. no. 5:62-68 My '67.

PAVLODAR PROVINCE—DESCRIPTION AND TRAVEL

Where does the along road lead. I. I. Vtzhbor. Sov. rad. itel. 16 no. 1:22-23 Ja '67.

PAVLODAR PROVINCE—VETERINARY HELMINTHOLOGY

Elimination of the most important helminths in Pavlodar Province. I. I. Guelavskii. Vest. sel'khoz. nauk. [Kazakh.] 10 no. 5:110-112 My '67.

PAYKHOY—SULFANITE

Sulfanite in quartz-carbonate veins of the Pay-Khoy. F. L. Smirnov, K. M. Premysler. Zap. Vses. min. ob-va 96 no. 1:100-104 '67.

PAYMENT

(see also subdivision under Moscow Province; Omsk; Ukraine)

What is new in payments for transportation. E. Rupashova. Den i kred. 25 no. 5:54-55 My '67.

PAYMENT—PROBLEMS, EXERCISES, ETC.

[Practical assignments in payment and issuing credit.] Prakticheskie zadaniya po raschetam i kreditovaniyu. Moskva, Pt. 1, 1962, 87 p.

PEACE

(see also subdivision under Europe, Western) Christmas message to Christians of the entire world. Bat. vest. no. 17 '67.

PLACE—CONGRESSES

Proceedings of the session of the Consultative Committee of Continuation of the Activity of the Christian Peace Conference in Sofia (Bulgaria) October 17-21, 1966. Bratislava no 18-12 '67

PEARL FISHERIES see subdivision under Mannar, Gulf of

PEAS

Effect of molybdenum and cobalt on peas. F.N. Gaidarov, V.V. Leshina. Dokl AN BSSR 11 no. 4:359-361. Apr '67

PEAS—FERTILIZERS AND MANURES

Accumulation of some vitamins in the vegetative material of peas as related to the treatment of seeds by bacterial and trace element fertilizers before sowing. V.M. Martovskaya. Vest sel'khoz nauki [Kazakh] 10 no 5:30-33. May '67

PEAS—HARVESTING see subdivision under Russia, Northwestern

PEAS—IRRIGATION see subdivision under Alma-Ata Province

PEASANTRY

(see also subdivision under Dagestan; Europe, Siberia, Simbirsk Government)

History of Vasilii Shulskii's policy in the peasant problem. V.L. Korotkiy. Trudy LOH AN SSSR no. 8:110-126 '67. The nature of economic alliance between city and village. E.M. Sorlin. Uch. zap. Uf'nsk. gos. ped. inst. 18 no. 2. 57-61 '65.

Policy of the Russian Government and the government arbitrators. V.G. Chernukha. Trudy LOH AN SSSR no. 8:197-238 '67

Role of the subjective factor in developing the economic alliance of the laboring class and the peasantry. E.M. Sorlin. Uch. zap. Uf'nsk. gos. ped. inst. 22 3-22 '66

Spektor, N.P., and V.I. Kulikov. [Common goal of two classes] Odná tsel' dvukh klassov. [Moskva] Mosk. rabochii, 1967. 126 p.

PEAT

Analytic method of calculating compaction processes for powderlike materials. V.M. Naumovich, A.S. Korolev, N.N. Sokolov. Izv. vuz. ucheb. zav. gor. zhur. 9 no 1:126-139 '66

Power consumption in cutting peat with edges and pin cutters during peat-bog milling. A.F. Remizov. Toif. prom. 11 no 3:12-14 '67

Procurement of peat litter in high slightly decomposed peat deposits. T.V. Polonskiy. Trudy ISNIMESKH 3:168-174 '64

PEAT—ANALYSIS

Investigating certain regularities of compacting peat samples having a low degree of decomposition. I.I. Berkovich and others. Izv. vuz. ucheb. zav. gor. zhur. 9 no 1. 11-20 '66

PEAT BOGS see subdivision under Cuba; Vistynia Valley

PEAT BOGS—STATISTICS see subdivision under Lithuania

PEAT INDUSTRY

(see also subdivision under White Russia)

Flow of milled peat in branch pipes of pneumatic-conveying systems. L.O. Gotsakhalin, V.M. Ponomarev. Toif. prom. 14 no 3:9-12 '67

Measuring moisture content in peat on production line with high-frequency pickups. G.A. Kuplet. Prom. Bel. 10 no 4:40-41. Apr '67.

Ram press hoods with counterpressure regulators. Toif. prom. 44 no 3:17-18 '67

Rewards at the Exhibition of the Achievements of the National Economy of the U.S.S.R. V.S. Batova. Toif. prom. 44 no 3:30-31 '67.

Turning over the pages of a half century history of peat industry, 1917-1967 (to be continued). S.G. Solopov. Toif. prom. 44 no 3:26-29 '67

PEAT INDUSTRY—BY-PRODUCTS

Heat-insulating plates as heaters of reinforced-concrete panels. M.A. Sukhanov. Toif. prom. 11 no 3:29-30 '67

PEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Establishing efficient gradations of traction force and capacity of locomotives for long-term operating conditions of transportation in peat industry. I.I. Kostin, I.U. A. Negomedizianov. Izv. vuz. ucheb. zav. gor. zhur. 10 no 3:92-97 '67.

PEAT INDUSTRY—LABOR PRODUCTIVITY

Address by the meeting of active members to workers, engineers, technicians, and employees of enterprises and organizations of the Ministry of Fuel Industry of R.S.F.S.R. Toif. prom. 44 no 3:1-3 '67

Let us be ready to greet the 50th anniversary of the Great October. F.F. Karakin and others. Toif. prom. 44 no 3:5-8 '67

Socialist obligations of workers, engineers, technicians, and employees of enterprises and organizations of the Ministry of Fuel Industry of R.S.F.S.R. in the 1967 anniversary year. Toif. prom. 44 no 3:4 '67

PEAT INDUSTRY—QUALITY CONTROL

Effect of nonuniformity in degree of mechanical processing on quality of small-piece peat. B.D. Kogin. Toif. prom. 44 no 14-16 '67

PEAT INDUSTRY—SAFETY MEASURES

Effect of isolating milled peat by moist chips on the process of its spontaneous combustion. I.U. D. Vashchenko. Toif. prom. 44 no 3:22-23 '67

PEAT MACHINERY

Effect of nonuniformity in degree of mechanical processing on quality of small-piece peat. B.D. Kogin. Toif. prom. 44 no 3:14-16 '67

Let us be ready to greet the 50th anniversary of the Great October. F.F. Karakin and others. Toif. prom. 44 no 3:5-8 '67

PEAT MACHINERY—DESIGN AND CONSTRUCTION

Power consumption in cutting peat with edges and pin cutters during peat-bog milling. A.F. Remizov. Toif. prom. 44 no 3:12-14 '67

PEAT MACHINERY—MAINTENANCE AND REPAIR

More attention to maintenance and repair. L.V. Medlin. skaya. Toif. prom. 44 no 3:19-21 '67

PEAT MACHINERY—SPEED

Influence of the rolling speed of wheels over a peat bog on its resistance to deformation. M.M. Tranklevskiy. Izv. vuz. ucheb. zav. gor. zhur. 10 no 3:98-100 '67

PEAT SOILS

Drainage rates in bilateral control of the moisture conditions of peat soils in the Ukraine. A.M. Angul'. Gidrol. mel. 19 no. 5:94-100. May '67.

Pichugin, A.V. [Peat deposits] Torfianye mestorozhdeniya. Moskva, Vysshaya shkola, 1967. 274 p.

PECHORA BASIN—COAL MINES AND MINING

Some observations on the behavior of collapse-resistant roofs in longwalls of flat seams. V.V. Gubanov. Ugol' 12 no 3:37-41. May '67

PECHORA BASIN—MINE SUPPORTS

Testing the reinforced-concrete tubing for mine support at the "Kapital'naya" No 40 Coal Mine. I.U. Rybakov, V.N. Levechuk. Ugol' 42 no 5:35-37. May '67

PECHORA VALLEY—MINERALS

Mineralogical composition of Quaternary sediments in the Pechora and upper Vychegda Valleys. T.M. Lavrova. Vest. Mosk. univ. Ser. 4 Geol. 22 no 2:131-137. Mar-Apr '67.

PEGMATITES

(see also subdivision under Severo-Mayskiy Range)

Common characteristics in zonality of pegmatites of different composition. S.M. Beskin. Zap. Vses. min.-ob-va. 96 no 2. 191-194 '67.

Some illustrations of effect of ionization potential of rare elements on their behavior in pegmatitic process. N.A. Solodov. Vest. LGU 22 no. 6:74-80. Mar '67. Types of granite pegmatites. V.A. Dvoryn-Samarskiy. Trudy BKMII 22 71-81 '66.

PEIPUS, LAKE—VIMBA

Pathways of restocking vimba in Pskov-Peipus Lake. V.V. Erm. Ryb. khoz. 43 no 5:15-16 '67.

PESAKHIZON, LAZAR' BORISOVICH, 1909-1967

Lazar' Borisovich Pesakhizon, obituary. Izv. vuz. ucheb. zav. tekhn. leg. prom. no. 2:164-165 '67.

PENETRANT INSPECTION

Oshchepkov, P.K., and A.P. Merkulov. [Introspection] Introspektsiya. Moskva, Znaniye, 1967. 44 p. (Novoe v zhitii, nauke i tekhnike. V Seriya Tekhnika, 6)

PENICILLIN

Mechanism of the action of penicillin. I.U. P. Alanov. Sov. med. 30 no 5:137-139. May '67

Metabolites of benzyl penicillin detected by means of paper chromatography. L.M. Jakobson, L.N. Aslanina. Antibiotiki 12 no. 5:392-395. May '67.

Significance of pH during the process of penicillin biosynthesis. L.M. Lun'ye, M.M. Levikov. Antibiotiki 12 no 5:395-400. May '67

Treatment of local suppurative processes with novocaine block without penicillin and in combination with it. G.A. Mirzozan. Zhur. eksp. i klin. med. 7 no. 1:87-90 '67.

PENICILLINASE

Liberation of extracellular penicillinase in the process of the enzyme induction in penicillinase producing cultures. S.M. Chaikovskaya, R.A. Makarova, Mikrobiologiya 36 no 2:210-215. Mar-Apr '67

PENNANTITE see subdivision under Atasu region (Kazakhstan)

PENSION TRUSTS

Pension and charity funds in the credit system of the USSR. A. Anikin. G. Ponomarenko. Den. zhurnal. 82-89. May '67

PENSIONS

Common business. Sots. obesp. 12 no 5:11-14. May '67

Judicial establishment of legal facts determining eligibility for pension. G. Sevegina. Sots. obesp. 12 no 5:14-15. May '67

Pension coverage in the first five-year plan. V. V. Vashchenko. Sots. obesp. 42 no. 4:6-7. Apr '67.

PENSIONS—AUDITING AND INSPECTION see subdivision under Volgograd

PENTAMIN—THERAPEUTIC USE

Experience in the use of ganglion blocking agent (pentamin) in the treatment of pulmonary edema. I.V. Zemtsovskiy, I.A. Segal. Sov. med. 40 no 5:24-25. May '67

PENTECOSTAL CHURCHES—CONTROVERSIAL LITERATURE

Pentecostalism and present time. V.D. Gerasimov. V. nach. atez. no 2:270-287 '66

PENZA PROVINCE—BEES

Wild solitary bees the pollinators of alfalfa. I.A. Antsiferova. Uch. zap. Mord. gos. univ. no 51:96-101 '67

PENZA PROVINCE—WELLS

Constructing filterless wells. A.S. Ivashkin. Tekhn. 19 no 4:57-65. Apr '67

PEPPER (SPICE)

Devices for mixing pepper into fish cann. V. Rukhina. Ryb. khoz. 43 no 5:64 '67.

PEPPERS—ANALYSIS

Biochemistry of pepper. M.M. Kruchinina, N. G. Zaglad, T. L. Bazar. Biokhim. kul't. rast. no 70-103 '63.

PEPSIN

Effect of histamine on pepsin secretion in man. A. V. Fisher. Fiziol. zhur. [Ukr.] 13 no. 3:105-106. Apr '67.

PEPTIC ULCER

Vilavyn, G.D., and A.I. Nazarenko. [Pathogenic principles of conservative and surgical treatment of peptic ulcer (gastric and duodenal)] Patogeneticheskii i klinicheskii aspekt konservativnogo i operativnogo lecheniya i diagnostiki (zheludka i dvunadtsatipervstol khalki). [Leningrad] Meditsina, 1966. 197 p. (DNLM)

PEPTIDES

Amino acid and peptide derivatives of the indole series. Part 4. Synthesis of N-amino acid derivatives of tryptophan and indoline. A.D. Nekludov, L.A. Shukhina, Z. S. Savorov. Zhur. ob. khim. 37 no 4:717-720. Apr '67

Synthesis of regular polypeptides containing L-amino acids. V.D. Davydov, V.G. Debatov. Zhur. ob. khim. 37 no 10:1000-1006. May '67.

PEPTIDES—OPTICAL PROPERTIES

Dispersion of the optical activity of the β -form of polypeptides. M.V. Vol'kenshteyn, V.A. Zolotarev. Strukl. khim. 8 no 2:284-290. Mar-Apr '67

PERCEPTION

Some methods of studying the functions of the central portion of the auditory analyzer. T.A. Kuznetsov. Psihol. 13 no. 2:66-70. Mar-Apr '67.

PERCEPTORS

Logginov, G.I., and O.A. Safonov. [Electron beam in the computing] Schitaya elektronnyy luch. Moskva, Nauka, 1967. 47 p. (Novoe v zhitii, nauke, i tekhnike. XIV Seriya: Radiotekhnika i svyaz', 4)

Method for solving image cognition problems. I.I. Lun'ye, V.V. Alekseev. Izv. AN SSSR. Tekhn. khim. no. 1:92-102. Jan-Feb '67.

PERCHLORIC ACID, EFFECT OF RADIATION ON

Formation of radicals in the α -radiolysis of perchloric acid solutions of perchloric acid. V.N. Bekturov, I. I. Bugaenko. Khim. vuz. energ. 1 no 3:25-29. Mar '67.

PERFILOV, ALEKSANDR NIKOLAEVICH

A telephone call. A. Burylnskiy. Sov. voln. 10 no 5:42-43. D '66

PERFORMANCE

Do you know how to work? L. Shatenshtein. Vuz. i knig. 7 no. 2:20 '67.

PERFORMANCE AWARDS

The minimum sum of rewards. N. Shastnyy. Tekhn. i vooruzh. 25 no. 11:70-71. N '66.

PETROLEUM INDUSTRY—ACCOUNTING
 Determination of report data. G. I. Shchlenko. *Mat. tekhn. sbornik* 2 no 1 42-48 My '67.

PETROLEUM INDUSTRY—ELECTRIC EQUIPMENT
 Control of the size of admitted currents during the work of transformers and the thermal state of their oil. B. A. Zinov, D. M. Kremen. *Zh. tekhn. fiz.* 7 no 4 10-11 Ap '67.

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES
 Feldstein, I. M. [Filters of equipment of enterprises of the petroleum and petrochemical industries] *Slesar i mrazhnik oborudovaniya predpriyatiy neftekhimicheskoy promyshlennosti*. Moscow, Stroiizdat, 1967. 365 p. (Seria prakticheskikh posobie po povsheniyu nasteral'nykh promyshlennost' stroitel'stva)

PETROLEUM INDUSTRY—MANAGEMENT
 (see also subdivision under Bashkiria)
 Problems of training engineering personnel. And translation from a system of management. V. I. Foforov. *Fiz. i tekhn. sbornik* 1 no 1 41-3 of cover '67.

PETROLEUM INDUSTRY—SAFETY MEASURES
 Safety measures in the conditions of production. V. G. Golovinskiy, D. D. Nefedov. *Bizop. truda v prom.* 12 19-20 D '65.

PETROLEUM PIPELINES
 Investigation of the pressure in gas-liquid mixtures. V. A. Dikarevskiy. *Izv. vuzov. tekhn.* 1 no 1 24-30 '66.

PETROLEUM PIPELINES—CORROSION
 Determining approximate dimensions of samples for studying corrosion of petroleum pipelines. A. I. Khudolov. *Izv. vuzov. tekhn.* 2 no 4 115-116 '67.

PETROLEUM PIPELINES—MAINTENANCE AND REPAIR
 Berzin, V. L., and K. E. Raschepkin. [Overhauling petroleum pipelines without stopping oil delivery] *Kapital'nyy remont nefteprovodov bez ostanovki perekachki*. Moskva, Nedra, 1967. 126 p.

PETROLEUM PRODUCTION
 (see also subdivision under Apsheron Peninsula, Asian Oil Field, Bilechik Oil Field, Bilkov Oil Field; Cantia; Konstantinovskoye Oil Field, Lokhman-Pira-Kushibana Oil Field, Mangyshlak Peninsula, Nizhnyaya Omra Oil Field, Soviet Central Asia; Tatar A.S.S.R.; Tuymazy region, Bashkiria; Tyumen' Province; Ukhita region, Komi A.S.S.R., United States; Uzen' Oil Field; Velichayevskaya Oil Field, Zapadno-Surgut Oil Field)

Artificial solution of problem of performance of chemical gallery after its start with available rate of production in final layer. O. E. Khazin, V. E. Chuslan. *Trudy MINKHGP* no 66 131-138 '67.

Changes in the geography of petroleum production. L. N. Makdova. *Trudy MINKHGP* no 66 67-75 '67.

Characteristics and general regularities of development of oil fields with fractured reservoirs. R. M. Mincheva. *Trudy MINKHGP* no 66 170-175 '67.

Determining separation factor in section of subsurface pump. O. M. Kuznetsov, N. N. Repin, G. A. Babailan. *Izv. vuzov. tekhn.* 2 no 1 49-52 '66.

Establishing efficient pumping regime for pits of periodically producing deep wells. N. A. Mamedov, A. M. Dalash-zade, E. I. Alieva. *Azerb. neftekh.* 46 no 5 30-31 My '67.

Flow of fluid toward wells with nonuniform permeability. L. G. Makazenskiy. *Trudy MINKHGP* no 66 156-164 '67.

Great council of petroleum workers. D. Vnogradskiy. *Neftekhimik* 12 no 5 2-4 My '67.

Organizational structure of automated petroleum production enterprise with computer equipment. A. A. Abdullayev and others. *Azerb. neftekh.* 46 no 1 31-34 Ap '67.

Petroleum production and consumption of petroleum products in the U.S.S.R. and other developed capitalist countries. V. V. Shkarev. *Trudy MINKHGP* no 66 56-66 '67.

Results of all-Union socialist competition of petroleum workers. *Neftekhimik* 12 no 4 10-13 Ap '67.

Scientific pledge of enterprises and organizations of the Ministry of the Petroleum Production Industry of the U.S.S.R. in honor of the 50th anniversary of the Great October Socialist Revolution. *Geol. neftekhim. gaz.* 11 no 4 3-7 Ap '67.

Using correlation analysis for determining the necessary frequency of sampling in controlling petroleum production enterprises. T. L. Sletova. *Izv. vuzov. tekhn.* 10 no 4 98-103 '67.

World petroleum production and evaluation of possible reserves. M. K. Kalinko. *Geol. neftekhim. gaz.* 11 no 5 49-52 M. '67.

PETROLEUM PRODUCTION—FINANCE
 (see also subdivision under Azerbaijan)
 Some aspects of carrying out economic reform in petroleum and gas producing industries. I. E. Minin, B. S. Slutskaya. *Ekon. neftekhim. prom.* no 10-12 '67.

PETROLEUM PRODUCTION—LABOR PRODUCTIVITY
 (see also subdivision under United States)
 Some methodological problems of comparing levels of labor productivity in petroleum production of the U.S.S.R. and the U.S.A. V. V. Slesarev. *Trudy MINKHGP* no 66 48-55 '67.

PETROLEUM PRODUCTION—MANAGEMENT
 (see also subdivision under Groznyy region; Kuybyshev Province; Tuymazy region, Bashkiria)
 First work of the Center for a Scientific Organization of Labor and Management of the All-Union Scientific Research Institute of Petroleum and Gas Economics. S. N. Litov. *Org. i uprav. neftekhim. prom.* no 3 8-17 '66.

Methodology of economic evaluation of oil-field development systems in planning phase. L. P. Gushnovskiy. *Ekon. neftekhim. prom.* no 1 30-33 '67.

On the work of enterprises which were changed over to the new system of planning and economic incentives in 1965. *Ekon. neftekhim. prom.* no 2 3-6 '67.

Organizing production in petroleum production enterprises. O. V. Tkachenko. *Izv. vuzov. tekhn.* 1 no 1 117-119 '66.

Studying actual economic effectiveness of devices and means of automation being introduced into petroleum producing enterprises. I. A. Aron. *Ekon. neftekhim. prom.* no 1 33-36 '67.

PETROLEUM PRODUCTION—STANDARDS
 Determining maximum height of sucklines (Lame of petroleum products using All-Union State Standards 17411-11). B. I. Leontov. *A. A. Libenzon. Nefteper. i neftekhim.* no 4 39-40 '67.

PETROLEUM PRODUCTION—TECHNOLOGICAL INNOVATIONS
 (see also subdivision under Azerbaijan)

PETROLEUM PRODUCTION, THERMAL
 (see also subdivision under Azerbaijan; Karamay Tetrilloy; United States; Zylhaz Oil Field)
 Using electric current for direct stimulation of oil-bearing layer in order to increase production and recovery. S. T. Bondarenko, V. P. Dvornatnik. *Trudy MINKHGP* no 66 86-93 '67.

PETROLEUM PRODUCTS
 Eliminate losses in petroleum products. A. I. Lopyk. *Tekhn. v neftekh.* 27 no 5 60-71 '67.

Expanding sources of stock for producing carbon black. M. S. Karamyshev and others. *Nefteper. i neftekhim.* no 1 30-31 '67.

Improvement of the reliability characteristics of wet fuel using additives. A. T. Shukov. *Teploenergetika* 11 no 2 50-52 '67.

Separation of naphthalene from pyrolysis residues of petroleum hydrocarbons. V. G. Plushin and others. *Nefteper. i neftekhim.* no 2 32-34 '67.

Synthesis of new Quaternary ammonium compounds from crude oil. I. I. Hamazov and others. *Azerb. neftekh.* 46 no 4 38 Ap '67.

PETROLEUM PRODUCTS—ANALYSIS
 Fast method for drying samples of petroleum and petroleum products. I. S. Lidenman, M. A. Tsvetkov. *Khim. i tekhn. topl. i masel* 12 no 5 59-60 My '67.

PETROLEUM PRODUCTS—MEASUREMENT
 Automatic control and regulation of small flows of petroleum products. B. A. Tsvetkov, I. N. Kuznetsov. *Nefteper. i neftekhim.* no 3 31-33 '67.

PETROLEUM PRODUCTS—STORAGE
 Experience in operating "Titon" telemetering equipment and UDO-II level gauge in tank farms. V. V. Malovsk. *Mash. i neftekh.* no 1 36-37 of cover '67.

PETROLEUM PRODUCTS—THERMAL PROPERTIES
 (see also subdivision under Ozek-Sat Oil Field)

PETROLEUM REFINERIES
 (see also subdivision under Ishimbay (Bashkiria))

PETROLEUM REFINERIES—ELECTRONIC EQUIPMENT
 Frequency coding of remote control data in petroleum and gas industries. N. B. Kovylov. *Izv. vuzov. tekhn.* 2 no 1 115-117 Ja '67.

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES
 Efimova, A. K., and A. M. Shalimova. [Corrosion inhibitors for the condensing and cooling equipment of pressure-vacuum distillation apparatus] *Inhibitory korrozii kondensatsionno-izhletnykh apparatov AVT*. Ufa, Bashkirskoe khimicheskoe izd-vo, 1966. 43 p.

PETROLEUM REFINERIES—MANAGEMENT
 (see also subdivision under Fergana)

PETROLEUM REFINERIES—SAFETY MEASURES
 Ginzburg, M. B. [Safety engineering in the selective refining, desulfurizing, and dewaxing of lubricating oils] *Tekhnika bezopasnosti pri selektivnoy ochistke i rafinazatsii i deparafinatsii smazochnykh masel*. Publ. red. V. P. Kuznetsova. Moskva, Khimika, 1967. 167 p. (Biblioteka molodogo rabochego)

PETROLEUM REFINING
 (see also subdivision under Daku; Tatar A.S.S.R., Ukhita, Komi A.S.S.R.)

Choosing basic control parameters in automation of these processes. M. V. Makhavov, V. A. Shipakov. *Izv. vuzov. tekhn.* 2 no 1 113-114 '66.

Demulsification of petroleum by a new method with the application of ultrasound. E. I. Skripnik and others. *Akust. i optika*, no 2 84-86 '66.

Experience in preparing low-viscosity low pour-point MS-6 oil from sour crudes. L. S. Enikayeva and others. *Nefteper. i neftekhim.* no 4 10-14 '67.

Grading of petroleum's constitutes potential for increasing yields and improving quality of petroleum products. S. F. Moiseyev, V. S. Tolstomov, V. G. Koten. *Nefteper. i neftekhim.* no 1 11-15 '67.

Kinetics of hydrofining of extracts of atmospheric kerosene-gas oil fraction of Asian petroleum. S. V. Pestikov and others. *Nefteper. i neftekhim.* no 4 1-4 '67.

PETROLEUM REFINING (Continued)

- Oxygen compounds of intermediate distillation petroleum fractions as new chemical raw materials. IA B. Cherkov, N.A. Kuz'mina. Izv. Vys. ucheb. zav. nef'ti, gaz. 10 no. 4 55-58 '67.
- Plant tests in refining residual stock by phenol with addition of ethyl alcohol. I. B. Ivankina and others. Nefteper. i neftekhim. no. 2 7-11 '67.
- Extraction of elementary sulfur from hydrogen sulfide in petroleum refinery gases. A. P. Konopitov, I. D. Shum. Nefteper. i neftekhim. no. 2 25-29 '67.
- Separating normal paraffins from gasoline fractions using molecular sieves. IA V. Mitukhi, A. Z. Donopchinskii, M. F. Mogel'. Nefteper. i neftekhim. no. 4 22-26 '67.
- Qualitative obligations of workers of the petroleum refining and petrochemical industry in honor of the 50th anniversary of the October Revolution. Khim. i tekhn. topl. i energ. 12 no. 5 1-11 My '67.
- Design in the building up of production capacities in the petroleum refining industry. M. I. Rumer, IU. K. Maksimets. Khim. i tekhn. topl. i energ. 12 no. 5 11-12 My '67.
- Ischer, V. V. [Carbamide dewaxing] Karbamidnaya deparafinizatsiya. Moskva, Khimika, 1967. 235 p.
- Using multichannel pulse system of control for automating oil-field preliminary refining units. N. N. Antonov, G. A. Kasper, IA. S. Gushkin. Mash. i elekt. obz. no. 1 26-31 '67.

PETROLEUM REFINING—DEASPHALTING

- Developed technique of Mangyshlak petroleum stock for catalytic cracking. M. G. Mitrofanov, P. K. Zolotarev, II. V. M. Antsen. Nefteper. i neftekhim. no. 1 6-8 '67.
- One-step deasphalting of concentrate of Pechenay Island petroleum. II. Sh. Kaitov, I. I. Samodova, A. A. Ashraf. Nefteper. i neftekhim. no. 1 8-11 '67.

PETROLEUM REFINING—DESALTING see subdivision under Bashkiria

PETROLEUM REFINING—DEWAXING

- Catalytic dewaxing in dichloroethane of diesel oil fractions in the industry of Zhitnyovsk and Kozlovskoye petroleum. M. G. Mitrofanov, II. V. Kaitov, I. A. Berezuk. Nefteper. i neftekhim. no. 3 3-5 '67.
- Catalytic dewaxing of oil raffinates of narrow boiling range. P. I. Otkov. Nefteper. i neftekhim. no. 4 15-18 '67.

PETROLEUM REFINING—ELECTRIC EQUIPMENT

- Effect of geometric form of an electric dehydrator. L. N. Khrushch. Mash. i elekt. obz. no. 5 9-10 '67.

PETROLEUM REFINING—LABOR PRODUCTIVITY

- Some problems connected with developing equipment, technology, and labor productivity in petroleum refining. I. K. Zlotnikov, V. I. Zakharov, M. V. Makaveev. Nefteper. i neftekhim. no. 2 28-31 '67.

PETROLEUM RESEARCH see subdivision under Caucasus, Northern

PETROLEUM WASTE

- Utilization of waste water by gas chromatography. V. I. Samodova, M. S. Vigelbaum. Nefteper. i neftekhim. no. 1 15-17 '67.

PETROLEUM WORKERS

- (see also subdivision under Bashkiria; Kuybyshev Province; Mangyshlak region, Chechen-Ingush A.S.S.R., Nal'yanyye Kamul Oil Field; Turkmenistan)
- From photography to aerial pictures. A. Mirkin. Tekhn. 12 no. 4 30-39 Ap '67.
- In tank battles. A. Nechev. Neftnik 10 no. 6 5-7 My '67.

PETROLEUM WORKERS—EDUCATION AND TRAINING

- Utilizing economic studies available to all. A. Nechev. Neftnik 12 no. 4 14-16 Ap '67.

PETROLOGY

- (see also subdivision under Caucasus; Kyzyl-Kum; Lvov-Volyn' Basin; Mugodhar Hills)
- Isolation of formations of rocks in Pre-Cambrian layers. A. A. Kadenskii, M. I. Kadenskaya. Uch. zap. Penz. inst. Gerts. 290.55-61 '66.
- Sitigraphy and lithology of Cambrian sediments in Biran'ya basin (Barguzin Range). II. S. Tarasov. Trudy SKNI no. 15 11-50 '64.

PETROLOGY—MAPS

- Crystallizing rock facies maps. I. S. Pod'dakov and others. Fiz.-tekhn. probl. razrab. pol. i tek. no. 1 122-127 Ja-F '67.

PETROLOGY, IURII PETROVICH, 1925-1967

- IU. P. Petrovich obituary. Vest. Mosk. un. Ser. 5. Filoz. 22 no. 1 93 Ja-F '67.

PHACELIA see subdivision under Mordovia

PHAEEDRUS, 15 BC-ca. 50 AD

- Subject and literary characteristics of the Roman fabler. O. A. Petrova. Trudy Irk. un. 33:67-82 '64.

PHAGOCYTOSIS

- Effect of vitamin E on phagocytosis. A. M. Kishko, O. P. Kuchukova. Zhur. mikrobiol., epid. i immunit. 44 no. 5 63-64 My '67.

- Use of melangens in opsonocytaphagocytic reactions. V. M. Ivanov. Trudy Mosk. nauch.-issl. inst. tekhn. 17 181-189 '61.

PHARMACEUTICAL INDUSTRY see Drug Industry

PHARMACOGNOSY

- Pharmacognosy of Ash gulus membranaceus Tish (BGE). T. I. Nikonova. Farmatsia 16 no. 2 39-41 Mr-Apr '67.

PHARMACOLOGY

- Effect of cholinomimetics, biogenic amines and their antagonists on the effect of local anesthesia. S. F. Sivko. Bul. eksp. biol. i med. 63 no. 6 53-57 Ja '67.
- Experimental therapy of traumatic edema of the brain. Sh. I. Povolotskii. Vop. neirokhim. 31 no. 2 21-24 Mr-Apr '67.
- Pharmacological study of the antibiotic tauromycin. L. E. Gol'dberg, V. E. Bannalstein. Antibiotika 12 no. 5 360-368 My '67.
- Synthetic analogs of the derivatives of some aromatic amines. V. I. Akubych. Farmats. zhur. 22 no. 2 3-11 '67.

PHARMACOPOEIAS

- Publication of the 10th edition of the State Pharmacopoeias of the U.S.S.R. M. M. Bushkova and others. Farmats. zhur. 22 no. 2 3-4 '67.

PHARMACY

- (see also subdivision under Pskov Province)

- Mechanization of the pulverization and mixing process of solid medicinal substances. M. Kh. Islamgulov. Farmatsia 16 no. 2 68-71 Mr-Apr '67.

PHARMACY—ACCOUNTING see subdivision under Ivano-Frankovsk Province

PHARMACY—BIBLIOGRAPHY see Bibliography—Pharmacy

PHARMACY—CONGRESSES see subdivision under Tajikistan

PHARYNX

- Morphological and histochemical characteristics of the jejunal epithelium of the pharynx in ontogeny and experiment. IU. P. Semchenko. Arkh. anat., gist. i emb. 62 no. 5 31-35 My '67.

PHASE CONVERTERS

- Autotransformer phase number converters with voltage regulation. V. N. L'vov, Nauch. trudy OIMT no. 56 97-102 '65.

- How a phase splitter operates. N. N. Gorin. Elek. i tepl. energ. II no. 5 38-39 My '67.

- Phase inverter controlled by digital code. A. M. Tikhonov. Izv. Vys. ucheb. zav. prib. 10 no. 4 58-62 '67.

PHASE DIAGRAMS

- Constitutional diagram of the system tungsten-boron. K. I. Potin and others. Porosh. met. 7 no. 5 75-80 My '67.

- Equilibrium diagrams and structure of some semiconductor alloys of the type Ag_2CVI-B_2HCVI . L. S. Potinik, E. I. Rogacheva. Dokl. AN SSSR 174 no. 1 80-83 My '67.

PHASE RULE AND EQUILIBRIUM

- Changes in the phase constitution of slags during alloying of stainless steel with titanium. T. I. Litvinova, T. F. Raichenko, V. A. Kamardin. Izv. AN SSSR, Met. no. 3: 47-52 My '67.

- Characteristics of phase conversions in bottom zone of gas and gas condensate wells in nonisothermal flow. M. T. Abasov and others. Azerb. nef. i khim. 46 no. 4 20-31 Ap '67.

- Characteristics of dendritic segregation in multicomponent alloys. A. P. Gutsaev, T. V. Egorshina, S. B. Maslennikov. Izv. AN SSSR, Met. no. 2 113-117 My-Je '67.

- Difference schemes with front rectification for use in solving multicomponent Stefan-type problems. B. M. Dudak, N. L. Goldman, A. B. Uspenski. Sbor. rab. VTS MGU no. 6 206-216 '67.

- Differentiating the α - and γ -phases in electron microscopy. A. P. Okenko, M. I. Ivanenko. Zav. lab. 33 no. 3 319 '67.

- Effect of ferritic phase on properties of deposited austenitic steel. V. N. Zemzin, G. L. Petrov. Svar. prozv. no. 5 6-8 My '67.

- Effect of strain hardening on volumetric and structural changes in carbon steel. G. I. Babushkina. Metalloved. i term. obz. met. no. 4 13-14 Ap '67.

- Equilibrium "hydrate-gas phase" in system "propane-propylene-water". V. I. Fomina, S. Sh. Dyk. Gaz. prom. 12 no. 3 50-56 Mr '67.

- Kinetics of the contact melting process in stationary conditions. D. E. Temkin. Izv. AN SSSR, Met. no. 3 219-224 My-Je '67.

- Kinetics of the growth of Widmanstätten crystals of cementite in steel. B. A. Leont'ev, M. P. Matveeva, T. I. Shafagina. Izv. AN SSSR, Met. no. 1 122-127 My-Je '67.

- Numerical solution of a two-phase Stefan system. S. A. Volkov. Sbor. rab. VTS MGU no. 6 217-230 '67.

- Phase constitution and properties of two-phase OKh216M2T steel. M. V. Kul'kova, V. D. Devchenko, A. P. Okenko. Metalloved. i term. obz. met. no. 4 69-71 Ap '67.

- Phase constitution of slags from smelting refined ferrochromium. A. G. Rusakova, I. N. Rusakov, IU. S. Maksimov. Teor. i prikl. met. no. 7 169-176 '64.

- Phase correlations and properties of peritectic-spinel phase compositions. IA V. Kluecharov, S. A. Suvorov. Ogneupr. 12 no. 5 12-50 '67.

- Phase equilibria between immiscible gas phases. D. S. Tikhonov, I. A. Rott. Usp. khim. 36 no. 5 869-887 My '67.

- Phase equilibria in alloys of the system titanium-vanadium-chromium. N. N. Samsonova, P. B. Budberg. Izv. AN SSSR, Neorg. mat. 3 no. 5 817-823 My '67.

- Phase equilibria of the system $HCl-H_2O-C_2H_5OH$. M. V. Iomin, P. I. Shanina. Zhur. obz. khim. 37 no. 7 19-753 Ap '67.

- Phase equilibria and volume ratio in the binary cyclohexane system. M. S. Rozhnov. Khim. prom. Ukr. no. 3 26-30 My-Je '67.

- Phase transformations of quartzite and coke in the bath of single-stage ferroalloy chromium. I. N. Rusakov, Kh. N. Kadarmov, V. L. Koltunarsky. Teor. i prikl. met. no. 7 189-198 '64.

- Phase transitions in the field of the chemical compounds $Na_2B_4O_7-NaBF_4$ in the $NaF-B_2O_3$ system. M. E. L'vova. Izv. Vys. ucheb. zav. khim. i tekhn. 10 no. 2 128-131 '67.

- Properties and characteristics of phase transformations in high-manganese steel. IA E. Gol'dshchik and others. Teor. i prikl. met. no. 7 189-190 '64.

- Structure of metallurgical slags and dependence of their properties on the oxidation-reduction potential of the medium. A. C. Ponomarenko. Teor. i prikl. met. no. 7 200-209 '64.

- Studying the phase and diffusion resistances in the case of alkali metal condensation. N. V. Bakutov and others. Atom. energ. 22 no. 5 413-415 My '67.

- Studying the phase constitution of disperse powders condensed in an inert gas atmosphere. L. S. Palatinik and others. Porosh. met. 7 no. 5 10-13 My '67.

- Studying the phase equilibrium of part of the system $Ti-Cr-Fe-Si-B$. I. I. Kornilov, V. S. Mikheev, K. P. Markovich. Izv. AN SSSR, Met. no. 5 211-218 My-Je '67.

- System $W-V-Si$. E. I. Gladyshevskii and others. Porosh. met. 7 no. 5 85-88 My '67.

- Tensionometric method for measuring the densities of equilibrium phases on the saturation line. IU. F. Votnov, N. V. Pavlovich, D. L. Timrot. Khim. prom. Ukr. no. 3 51-54 My-Je '67.

- Ternary systems $Ti-Zr-C$ and $Ti-Hf-C$. IU. V. Voroshilov and others. Porosh. met. 7 no. 5 81-84 My '67.

- Thermomechanical treatment of steel during isothermal transformation of supercooled austenite. S. M. Baranov, S. I. Karalushin. Metalloved. i term. obz. met. no. 4 67-69 Ap '67.

- Variant of an implicit difference scheme, with front entrapment in the network node, for solving Stefan-type problems. B. M. Dudak, I. P. Vasil'ev, A. T. Egnova. Sbor. rab. VTS MGU no. 6 231-241 '67.

PHASEMETER

- Effect of the inequality of amplitudes on the accuracy of null indicators of antiphase (cophas). V. I. Skripnik, IU. A. Skripnik. Kontr. i izm. tekhn. no. 3 22-27 '66.

PHENOL CONDENSATION PRODUCTS

- Hydrogenation of by-products of phenol production: binary mixtures of α -methylstyrene, acetophenone, phenol, and 2-phenyl-2-(4-oxophenyl)propane. A. B. Vol'f, Epshteyn, M. N. Zharova. Neftekhimika 7 no. 2 191-199 Mr-Apr '67.

- Initial products in the condensation of phenol and acrolein. A. B. Stankov, B. E. Geller. Izv. Vys. ucheb. zav. khim. i tekhn. 10 no. 2 220-223 '67.

PHENOLASES

- Study of peroxidase and polyphenoloxidase activity in the aerial organs of *Consolida arvensis* (L.). Opiz. H. II. Melnychuk. Ukr. bot. zhur. 21 no. 3 8-12 My-Je '67.

PHENOLOGY

- Podolski, A. S. [New data on phenological forecasting; mathematical forecasting in ecology] Novoe v fenologii: cheskom prognozirovani, matematicheski prognoz v okologii. Moskva, Kolos, 1967. 230 p. diagr. (insert)

PHENOLS

- Alkylation reaction of phenol by fractions of olefins in boiling range of 240-320° in the presence of benzenesulfonic acid. IU. T. Gerdash, Nefteper. i neftekhim. no. 3 28-28 '67.

- Characteristics of polyarylates based on 9,9-bis-(4-hydroxyphenyl)fluorene. V. V. Korshak, S. V. Vinogradova, V. A. Pankratov. Plast. massy no. 5 21-22 '67.

PHENOLS (Continued)

Chemical processes taking place during extraction of phenols from aqueous solutions. I. V. Filippov, S. M. Kozlovskaya, I. V. Kozlovskaya, Zhur. ob. khim. 40 no. 1 621-627 Apr '67

Comparative study of antiozonizing activity of alkyl-substituted phenols and tetraphenols. N. A. Zakharenko and others. Zhur. ob. khim. 37 no. 4 861-865 Apr '67

Conversions of phenol in the presence of bromine in the presence of phenol. I. A. M. Panchuk, S. A. Mironov, V. M. Trupina. Plast. massy. no. 5 71-72 '67

Determining individual coke by-product phenols by gas-liquid chromatography method. G. D. Khrushchevich, V. V. Kostovskikh, V. I. Kollegov. Koks i khim. no. 1 10-12 '67

Industrial method of producing pure phenol. H. I. Gurovich, G. I. Motina. Khim. prom. 42 no. 9 21-24 Sep '66

Kinetic study of enzymatic oxidation of phenol in the presence of polyphenols. I. M. Gontsberg and others. Mol. biol. 1 no. 3 373-380 May-June '67

Obtaining of polyphenol compounds from the scales of aluminum. V. I. Baidukova, G. L. Shvachenko. Fizmatsest. Zhur. 22 no. 2 54-58 '67

Plant tests in refining residual stock by phenol with addition of ethyl alcohol. I. B. Ivanova and others. Neftel. i neftekhim. no. 2 11-16 '67

Preparation of diphenylpropane from isopropylbenzene hydroperoxide. I. M. Panchuk, A. M. Sibirskiy, T. A. Mart'ashkina, Zhur. prikl. khim. 40 no. 3 636-639 Apr '67

Reaction of halo-substituted phenols with phosphorus pentasulfide in the presence of a base. N. I. Zomilanskii, L. V. Glushkova. Zhur. ob. khim. 37 no. 4 775-777 Apr '67

Study possibility of intensifying phenol extraction processes of low-viscosity acid distillate of transformer oil. L. S. Panchukova. Neftel. i neftekhim. no. 2 11-16 '67

Synthesis of phenol esters by esterification in the presence of acetic anhydride. N. A. Khamatov, V. I. Latyshev, A. V. Stanov. Zhur. prikl. khim. 40 no. 3 643-647 Apr '67

PHENYLETHYLENE

Acetylenic alcohols and amines of the diphenyl oxide series. M. S. Shvartsberg and others. Izv. AN SSSR. Ser. khim. no. 4 905-908 Apr '67

PHENOXYTINS

Effect of light on phenoxylization of chlorophyll and its analogs. T. V. Pakshina, M. I. Bystritskaya, A. A. Krasovskii. Mol. biol. 1 no. 1 154-163 Jan-Feb '67

PHILIPPINE LITERATURE—HISTORY AND CRITICISM

Close to the hopes of the people. M. I. Kravtsov. Izv. seg. 10 no. 6 46-47 Jun '67

PHILOLOGY

(see also subdivision under Azerbaijan; Voronezh Province)

Sociolinguistic aspect and systematic character of vocabulary. S. A. Gligorova. Vest. Mosk. un. Ser. 10 Filol. no. 3 60-66 May-June '67

PHILOSOPHERS, IRANIAN

Gadi Zinalabdin Maraghi, an outstanding enlightener of Azerbaijan. A. I. Khasayev. Izv. AN Azerb. SSR. Ser. est., filol., i prav. no. 2 103-109 '66

PHILOSOPHICAL RESEARCH

(see also subdivision under Europe, Eastern, Tajikistan)

A meeting in the editorial office of our periodical. I. B. Reshetnikov. Vop. filol. no. 5 132 '67

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHLOEM

Phloem dislocation in internodes of angiospermous plants. N. A. Aneli. Soub. AN Gruz. SSR. 46 no. 2 117-124 May '67

PHLOGOPITE

Nature of ornaments observed on cleavage planes of some phlogopites. O. M. Rinskaya-Kosakova and others. Zap. Vses. min. ob-va. 96 no. 2 141-154 '67

Some conditions governing crystallization of fluorophlogopite from gas phase. I. N. Andkin, A. P. Porotnikov. Zap. Vses. min. ob-va. 96 no. 2 188-202 '67

PHLORIZIN

Diurnal dynamics of phlorizin and flavonol content in apple tree shoots. T. Vardja, L. Sarapan. Fiziol. rast. 14 no. 3 551-554 May-June '67

PHONONS

Phonon induction and echo. V. R. Nagibarov, U. Kh. Kopylov. Zhur. eksp. i teor. fiz. 52 no. 4 936-942 '67

PHONONS—SCATTERING

Coefficient of optical absorption on free charge carriers. I. Z. Kostadinov, I. A. G. Prokova. Vest. Mosk. un. Ser. 3 Fiz. astron. 22 no. 2 61-69 Mar-Apr '67

Mechanism underlying the conductivity and scattering of phonons in doped GaSb. G. D. Abdullaev, M. I. Aftiev, G. I. Safaraliev. Izv. AN Azerb. SSR. Ser. fiz. tekhn. i matemat. 6 64-75 '66

PHOSPHATASES

Clinical value of determining the activity of alkaline phosphatase of leucocytes in pulmonary tuberculosis. A. I. Tsigulnik, H. E. Golia. Sov. med. 10 no. 5 21-27 May '67

Lipids and acid and alkaline phosphatases of blood neutrophils in the determination of the activity of tuberculosis. I. F. Kozhova and others. Sov. med. 10 no. 5 17-23 May '67

PHOSPHATE INDUSTRY

Geography of the phosphorus fertilizer industry in the USSR. M. V. Melnikova, L. Kh. Mokhina. Vop. geog. no. 12 30-60 '66

PHOSPHATE INDUSTRY—BY-PRODUCTS see subdivision under Chikment

PHOSPHATES

Determining fluorine and fused sulfate phosphates. S. I. Kalyuzhkov, K. V. Khon. Khim. i sel. khoz. 5 no. 6 54-57 June '67

Raw phosphates and their utilization in capitalist countries. N. S. Sazykin, V. G. Stokov. Khim. prom. 12 no. 11-71-74 Nov '66

PHOSPHAZO COMPOUNDS

Photochemical chlorination of dimer trichlorophosphazone alkyls and their fluorination by metal fluorides. B. S. Diach, I. N. Zhmurava. Zhur. ob. khim. 37 no. 4 892-895 Apr '67

Reactions of trichlorophosphazone with alcohols. V. I. Shvachenko, A. A. Kovalev. Zhur. ob. khim. 37 no. 5 1111-1118 May '67

Some properties of alkyltrichlorophosphazone trifluoroacetyl and products of their transformations. V. V. Lysenko and others. Zhur. ob. khim. 37 no. 5 1096-1105 May '67

Trichloromethyltrichlorophosphazone and their derivatives. V. A. Shokol, V. F. Gamalitsa, G. I. Derkach. Zhur. ob. khim. 37 no. 5 1147-1151 May '67

Trichlorophosphazone cyanalkyls and trichlorophosphazone cyanocycloalkyls. A. M. Panchuk, I. M. Kostinskaya, V. I. Stevchenko. Zhur. ob. khim. 37 no. 4 856-859 Apr '67

PHOSPHINE

Direct synthesis of alkyl (aryl) dichloro- and dibromophosphines. N. K. Bliznuk, Z. N. Kvasha, A. F. Kozlovskaya. Zhur. ob. khim. 37 no. 4 890-892 Apr '67

Reaction of chlorophosphines with acylamide. A. N. Pudovik, V. K. Khairullin, T. I. Sobchuk. Dokl. AN SSSR. 174 no. 1 101-106 May '67

Reaction of phenyldichlorophosphine with methacrylic and propionic acids. V. K. Khairullin, V. N. Eliseyev, A. N. Pudovik. Zhur. ob. khim. 37 no. 4 871-875 Apr '67

Reaction of some alkylalkoxychlorophosphines with acrylic acid. V. K. Khairullin, M. A. Vasilina, A. N. Pudovik. Izv. AN SSSR. Ser. khim. no. 4 950-952 Apr '67

Reaction of trialkyl phosphites with benzoylphosphine ethers. A. N. Pudovik, I. V. Gulinova, S. P. Pervozvatskaya. Zhur. ob. khim. 37 no. 5 1090-1094 May '67

Reactions of methyl- and ethyldichlorophosphine with diacetyl. A. N. Pudovik and others. Zhur. ob. khim. 37 no. 1 853-870 Apr '67

Synthesis of aryltrichlorophosphines. F. M. Kharasova and others. Zhur. ob. khim. 37 no. 4 902-903 Apr '67

PHOSPHINE OXIDE

Some regularities in the extraction of rare earth elements and yttrium by trialkylphosphine oxide. I. N. Popkov and others. Dokl. AN SSSR. 173 no. 6 1351-1352 Apr '67

PHOSPHINIC ACID

Addition of nucleophilic reagents to dialkyl esters of γ, γ -dimethylallylphosphinic acid. A. N. Pudovik, N. G. Khushanova, T. A. Abdullina. Zhur. ob. khim. 37 no. 1 860-864 Apr '67

Interaction of half esters of ethylphosphinic and phosphorothioic acids with α -ketophosphinic esters and diacetyl. A. N. Pudovik and others. Zhur. ob. khim. 37 no. 4 876-881 Apr '67

Kinetics of alkaline hydrolysis of bis (chloromethyl) phosphinic esters. V. E. Bel'skii, M. V. Efremova, I. M. Sheimergov. Izv. AN SSSR. Ser. khim. no. 4 923-924 Apr '67

Nitrophenyl esters of cyclophosphinic acids. B. A. Arbutov, A. O. Visei, M. A. Zvereva. Izv. AN SSSR. Ser. khim. no. 4 929-930 Apr '67

Synthesis of some solidifying cyclic esters of vinyl phosphinic acid. A. I. Kudashov, S. R. Abidov. Dokl. AN Uz. SSR. 23 no. 6 35-38 '66

PHOSPHINOUS ACIDS

Esters of trivalent phosphorus thio acids. Report No. 2: Alkylthioethylphosphinous acid chlorides. V. D. Akamsin, N. I. Rizpolozhskii. Izv. AN SSSR. Ser. khim. no. 4 825-828 Apr '67

PHOSPHITES

Lithylene oxides as an acceptor of hydrogen chloride in the synthesis of neutral phosphites and phosphinites. N. K. Bliznuk, Z. N. Kvasha, A. F. Kozlovskaya. Zhur. ob. khim. 37 no. 4 888-890 Apr '67

PHOSPHOLANE

Synthesis of stereoisomeric substituted 1,3,2-oxazaphospholanes. N. B. Kazmina, I. L. Kneumants. Izv. AN SSSR. Ser. khim. no. 4 913-915 Apr '67

PHOSPHOLIPASES

Zinc as a cofactor in lecithinase C of Clostridium perfringens. M. V. Isolatovskaya. Dokl. AN SSSR. 173 no. 6 1445-1447 Apr '67

PHOSPHONIUM COMPOUNDS

Organic insecticides. Part III: Study of the structure of thio- and dithiophosphates of R-substituted phosphonium by means of pipi electrophoresis. V. V. Voinikov and others. Zhur. ob. khim. 37 no. 5 1017-1023 May '67

Organic insecticides. Part II: Study of the structure of thio- and dithiophosphates of hexaalkylamine alkyl phosphonium by means of pipi electrophoresis. N. N. Melnikov and others. Zhur. ob. khim. 37 no. 5 1024-1028 May '67

PHOSPHORAMIDIC ACID

Organic insecticides. Reaction of dialkylamidoethylphosphonyl chlorides with amines and hydrazines. A. F. Grapov, L. V. Razvodovskaya, N. N. Melnikov. Zhur. ob. khim. 37 no. 4 828-831 Apr '67

PHOSPHORAMIDOUS ACID

New method of synthesizing carbalkoxyalkylamido phosphates. N. P. Giechkin, L. K. Nikonova. Izv. AN SSSR. Ser. khim. no. 4 939-940 Apr '67

PHOSPHORIC ACID

Defluorination of phosphoric acid. M. G. Gabrielova, V. N. Semenov, V. G. Nikitash. Khim. prom. 12 no. 6 63-64 Sep '66

Fluorinated derivatives of isothiocyanatophosphoric acids. Z. A. Ivanova, F. A. Stukalo, G. I. Derkach. Zhur. ob. khim. 37 no. 5 1144-1147 May '67

Mechanism of anodic dissolution of copper in phosphoric acid. Part 3: Pulse measurements. A. Sh. Vileev, G. I. Petrov. Elektrokhimia. 3 no. 5 624-627 May '67

Reaction of thorium nitrate with phosphoric acid and sodium phosphates in aqueous solutions. I. V. Tannayev, I. A. Rozanov, E. N. Beresnev. Izv. AN SSSR. Neorg. khim. 3 no. 5 832-839 May '67

PHOSPHORIC ORGANIC COMPOUNDS see Organophosphoric compounds

PHOSPHORINE

Alkoxyc compounds. Part 26: Synthesis and some problems of heterophosphorchemistry of alkoxycalkyl-substituted 1,3,2-dioxaphosphines. A. V. Bogatikh and others. Zhur. ob. khim. 37 no. 5 1105-1110 May '67

PHOSPHONITE

(see also subdivision under Zhabulak Mountains) Some problems of preparing phosphonite ores for electric sublimation. D. A. Patrushev and others. Khim. prom. 12 no. 11 10-11 Nov '66

PHOSPHORODITHIOIC ACID

Heterocyclic dithiophosphates. Part I: Heterocyclic chlorodithiophosphates. N. I. Zemlinskii, V. P. Kalashnikov. Zhur. ob. khim. 37 no. 5 1111-1113 May '67

PHOSPHOROTHIOIC ACID

Interaction of half esters of ethylphosphinic and phosphorothioic acids with α -ketophosphinic esters and diacetyl. A. N. Pudovik and others. Zhur. ob. khim. 37 no. 1 876-881 Apr '67

PHOSPHOROTHIOIC TRIAMIDE

Effect of thioethylphosphoramidate on marrow cell nuclei and gonads in mice. M. A. Arsen'eva and others. Genetika. no. 5 111-121 May '67

PHOSPHOROUS ACID

Action of trimethyl phosphite and dimethylphosphorous acid on 3-methyl-4-benzylidene-5-isoxazolone. B. A. Arbutov and others. Dokl. AN SSSR. 173 no. 6 1321-1324 Apr '67

Cyclic endiol phosphates from reactions of dialkyl chlorophosphites with α -diketones. I. P. Gorman, V. A. Kukhtin. Zhur. ob. khim. 37 no. 4 881-884 Apr '67

Lithylene oxide as an acceptor of hydrogen chloride in the synthesis of dialkyl phosphites and monoalkyl phosphinites. N. K. Bliznuk and others. Zhur. ob. khim. 37 no. 4 884-888 Apr '67

Phosphorylated oximes. Part 2: Reaction of haloalkyl phosphites with α -chloronitroalkanes. I. V. Martynov, I. L. Kruglik, N. F. Privezentseva. Zhur. ob. khim. 37 no. 5 1130-1131 May '67

Phosphorylated oximes. Part 3: Reaction of esters of α -chloro- α -nitrocarboxylic acids with trialkyl phosphites. I. V. Martynov, I. L. Kruglik. Zhur. ob. khim. 37 no. 5 1132-1134 May '67

PHOSPHOROUS ACID (Continued)

Reaction of chloromethylated polystyrene with triethyl phosphite. S. R. Rafikov, G. N. Chernokova, G. M. Dzhibazbaev. Izv. AN SSSR Ser. khim. no. 5:1167-1168 My '67

Reaction of trialkyl phosphites with benzoylphosphine esters. A. N. Pudovik, I. V. Gushanova, S. P. Perestelova. Zhur. ob. khim. 37 no. 5:1090-1094 My '67

Reaction of triethyl phosphite with hydrochlorides of various ketone bases. B. E. Ivanov, V. F. Zhelezikhin, V. G. S. Irenova. Izv. AN SSSR Ser. khim. no. 4:940-942 Ap '67.

Study of the reaction of propargyl bromide with triethyl phosphite by means of infrared spectroscopy. I. U. A. Y. -drat'ev, I. U. K. Knebel', S. Z. Ivin. Zhur. ob. khim. 37 no. 5:1094-1095 My '67

Synthesis and alcoholysis of mixed anhydrides of 1,3-butyldiphosphorous and allylcarbonyl acids. E. C. Nifan'eva, L. V. Fursenko. Zhur. ob. khim. 37 no. 5:1134-1136 My '67.

Synthesis of substituted benzylphosphonic acids. Report No. 2. Reaction of Mannich phenol bases with triethyl phosphite. B. E. Ivanov, L. A. Valitova. Izv. AN SSSR Ser. khim. no. 5:1087-1090 My '67

Synthesis of substituted benzylphosphonic acids. Report No. 3. Reaction of Mannich phenol bases with dialkylphosphorous acids. B. E. Ivanov, L. A. Valitova. Izv. AN SSSR Ser. khim. no. 5:1090-1093 My '67.

PHOSPHORS

Effect of the activator concentration and of the second "phase" on the energy absorption and the brightness of the electroluminescence. E. U. L'vova. Opt. i spektr. 22 no. 4:600-604 Ap '67.

Spectroscopic paramagnetic centers in phosphors based on CaSO_4 . S. A. Alimov, B. M. Nosenko. Izv. AN SSSR Ser. fiz. 31 no. 5:842-844 My '67.

Spectral characteristics and electron-oscillatory transitions in I-type centers of NaCl-Cu and KCl-Cu . M. L. Kats, K. E. Giumburg. Izv. AN SSSR Ser. fiz. 31 no. 5:803-804 My '67.

PHOSPHORS—SPECTRA

Electroluminescence spectra of $(\text{Zn}_{100-n}\text{P}_n)\text{S-Cu}$. I. A. G. Gol'dman, B. N. Korol'ko, S. F. Lysenko. Opt. i spektr. 22 no. 4:676-677 Ap '67.

PHOSPHORS, EFFECT OF RADIATION ON

Radiation equilibrium of the production processes of electron centers in NaCl-Ni phosphor. V. G. Krongauz, L. A. Parlanovichi. Izv. AN SSSR Ser. fiz. 31 no. 5:839-841 My '67.

PHOSPHORUS

Lycetol for the atomization of liquid phosphorus. A. S. Ioszhukhin, V. A. Deviatkin. Khim. prom. 42 no. 11:70 N '66.

PHOSPHORUS—EFFECT ON PLANTS see Plants, Effect of phosphorus on

PHOSPHORUS ACIDS

New syntheses of phosphates and phosphinates. Part 2. Acrylonitrile as acceptor of hydrogen chloride in the synthesis of esters of pentavalent phosphorus acids. S. K. Bilzhluk and others. Zhur. ob. khim. 37 no. 5:1110-1122 My '67

New syntheses of phosphites and phosphinates. Part 3. Acrylonitrile as acceptor of hydrogen chloride in the synthesis of esters of pentavalent phosphorus acyl chlorides. M. K. Bilzhluk and others. Zhur. ob. khim. 37 no. 5:1122-1125 My '67.

PHOSPHORUS CHLORIDES

Reaction of phosphorus pentachloride with α -acylamines. I. N. Zhuravova, A. P. Martynuk. Zhur. ob. khim. 37 no. 4:896-898 Ap '67.

Reaction of phosphorus pentachloride with ethylalyl sulfides. V. S. Tsvunin and others. Zhur. ob. khim. 37 no. 4:903-904 Ap '67.

Vapor phase adsorption of POCl_3 and PCl_3 microimpurities from methylchlorosilanes. A. N. Popov and others. Zhur. prikl. khim. 40 no. 3:686-689 Mi '67.

PHOSPHORUS ISOTOPES

Isotope diagnosis in tumors of the bones. A. G. Sadykhov, G. A. Kazvinov, S. K. Alilakhverdova. Azerb. med. zhur. 14 no. 1:48-52 Ja '67.

PHOSPHORUS ORGANIC COMPOUNDS see Organic phosphorus compounds

PHOSPHORUS SULFIDES

Reaction of halo-substituted phenols with phosphorus pentasulfide in the presence of a base. N. I. Zemlianskiy, L. V. Glushkova. Zhur. ob. khim. 37 no. 4:776-777 Ap '67.

PHOSPHORYLATION

Amides and anhydrides of phosphorus acids. Part 13: Phosphorylation of mercaptans. E. K. Sitenkova, V. P. Evdokov. Zhur. ob. khim. 37 no. 4:898-901 Ap '67.

Phosphorylated chloral semiacetals and some of their derivatives. L. A. Antokhina, P. I. Atimov. Izv. AN SSSR Ser. khim. no. 5:1161-1163 My '67.

Phosphorylated oximes. Part 1. Reaction of haloalkyl phosphites with α -chlorofluoromitosoalkanes. I. V. Martynov, I. U. L. Krugliak, N. F. Privetentseva. Zhur. ob. khim. 37 no. 5:1125-1130 My '67

Phosphorylation of polyvinyl alcohol fibers with phosphorous acid esters. N. F. Orlov, M. V. Androsova. Izv. vys. ucheb. zav. tekhn. tekhn. prom. no. 1:113-118 '67

PHOTOCHEMISTRY

Kinetics of low temperature photoinduced recombination of paramagnetic centers in irradiated glycine. E. N. Sud'bina and others. Khim. vys. energ. 1 no. 3:281-283 My-Je '67

Kinetics of two-quantum photochemical reactions. Carbazole-ethyl alcohol system. Z. A. Simskaya, Kh. S. Bagdasarian. Khim. i tekhn. 8 no. 2:283-287 Mr.-Ap '67.

Photochemical structure of chlorosulfonated polyethylene based on the reaction of graft copolymerization. I. U. S. Bokov, V. P. Lavrishchev, S. A. Pavlov. Vysokom. soed. Ser. A. 9 no. 4:884-888 Ap '67.

Photolysis of hydrogen sulfide. Effect of ethylene additions. B. G. Dvornikov, A. V. Shishkov. Khim. vys. energ. 1 no. 3:192-196 My-Je '67

Photooxidation of tyrosine in the presence of methylene blue and isolation of modification products. N. A. Kravchenko and others. Mol. biol. 1 no. 1:47-51 Ja-I '67

Photoreduction of methylviologen, sensitized by chlorophyll and its analogs, use of cysteine and thionine as electron donors. G. P. Brin, A. N. Luganskaya, A. A. Krasnovskiy. Dokl. AN SSSR 174 no. 1:221-224 My '67.

Relationship between the rate of photochlorophyllide transformation into chlorophyllide and the intensity of light. T. N. Godnev, V. I. Raskin, V. L. Kaler. Dokl. AN SSSR 174 no. 1:225-226 My '67

Reversible photooxidation of bacterioviridin resulting in the formation of electron-active form. V. B. Evstigneev, V. A. Gavrilova, G. D. Olovianshnikova. Mol. biol. 1 no. 1:58-66 Ja-I '67

Study of copolymerization of 2-(4-vinylphenyl)-5-phenyl-1,3-oxazole with styrene by the polarographic method. V. D. Bezuglyi and others. Vysokom. soed. Ser. A. 9 no. 4:880-883 Ap '67.

Two-quantum and one-quantum processes in polar glasses at 77 K. V. A. Kondrat'ev, Kh. S. Bagdasarian. Khim. vys. energ. 1 no. 3:197-201 My-Je '67

PHOTOCONDUCTIVITY

Energy structure of cadmium selenide and the quantum yield of the photoionization in the fundamental absorption region. V. K. Adamchuk. Opt. i spektr. 22 no. 4:595-599 Ap '67.

Photoconductivity of zinc sulfide polycrystalline layers of various modifications. K. V. Shalimova, I. A. Karetnikov, N. K. Morozova. Izv. vys. ucheb. zav. fiz. no. 4:102-101 '67.

PHOTOELECTRIC CELLS

Effect of the region of variable structure on photoelectric characteristics of diffusion heterojunctions in a system GaAs-GaAs . B. L. Al'tshuler and others. Radiotekhn. i elektron. 12 no. 6:1082-1087 Je '67.

Radiation threshold of photoelectric cells with longitudinal effect. L. I. Tumbkin. Radiotekhn. i elektron. 12 no. 6:1123-1126 Je '67.

Scanlator, a new photoelectric converter. V. L. Krut'ser, K. F. Berkovskaya. Tekhn. i teory. 11 no. 4:40-46 Ap '67

Sharply selective wideband phase detector using photoelectric converters. M. S. Roitman. Avtom. i telem. no. 5:171-173 My '67

Small UPV photoelectric converter. P. F. Oleksenko, S. V. Svehnikov. Mekh. i avtom. 2 no. 2:45-46 Mr.-Ap '67

Study of silicon photochlorides as sensors for pyrometers. I. A. S. Galvovskiy and others. Kontr. i izm. tekhn. no. 3:99-104 '66

PHOTOELECTRIC MEASUREMENTS

Lens alignment and misalignment determination by the photoelectric method. K. A. Ramazanov and others. Izv. vys. ucheb. zav. geod. i aerof. no. 5:101-104 '66.

Photoelectric transducer to measure the shifting of press slides. O. N. Chermenskiy, V. I. Perfilov, Kuz. -shlam. proizv. 9 no. 5:32 My '67.

PHOTOELECTRIC MULTIPLIERS

Use of the simulation method in studying the effect of a space charge in an electronic multiplier. T. M. Perchanok, K. G. Utkin. Trudy LPI no. 277:34-37 '67.

PHOTOELECTRICITY

Method for calculating active photoelectric systems. V. G. Vartad, B. I. Khanokh. Izv. vys. ucheb. zav. geod. i aerof. no. 5:105-112 '66.

Thermosimulated current under conditions of a stable internal polarization. V. F. Zolotarev, D. G. Semak, D. V. Chepur. Zhur. eksp. i teor. fiz. 52 no. 4:849-853 '67.

Use of the three-electrode spherical capacitor method in studying the photoemissive effect in adsorption systems. M. L. Kapitsa, R. L. Nemchenok, M. A. Valygina. Trudy LPI no. 277:12-14 '67.

PHOTOGRAMMETRY

Determining the volumes of loose bulk cargoes on the wharves of a sea port by short-base stereophotogrammetry. N. A. Khramnikov, S. F. Gorodetskii. Mor. pot. nauch. trudy no. 2:36-47 '66

PHOTOGRAPHIC EMULSIONS

Effect of the duration of emulsification and of the first ripening stage the granulometric and photographic properties of fine-grained ammonia emulsions. V. V. Vasil'ev. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:81-86 Mr.-Ap '67.

Study of triazenes in photographic emulsions. Report No. 2. Triazenes containing residue of pyridine, pyrimidine, and tetrazole. I. U. B. Vileniskii and others. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:121-127 Mr.-Ap '67

PHOTOGRAPHIC INTERPRETATION

International survey of the interpretation of aerial photographic materials reflecting the occurrence of natural resources. V. L. Andronikov. Izv. AN SSSR Ser. geog. no. 3:120-123 My-Je '67

Landscape method as the basis for further extrapolation of indications in the interpretation of Quaternary deposits as exemplified by the territory of the Ukraine. A. I. Grigor'ev. Dokl. Konf. po land. i kart. no. 1:50-63 '65

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC OPTICS

Automatic calculation of optical systems. I. S. Il'mskii. Izv. vys. ucheb. zav. geod. i aerof. no. 5:113-121 '66.

PHOTOGRAPHIC SENSITOMETRY

Comparison of the microphotometric granularity and the macrogranularity of photographic materials. I. B. Uldo and others. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:101-113 Mr.-Ap '67

"Densitometric" intensification and expression of the contrast of weak images. E. A. Bukatin. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:86-88 Mr.-Ap '67

PHOTOGRAPHIC SHUTTERS see Shutters, Photographic

PHOTOGRAPHY

From photography to motion pictures. A. Mirkin. Neftianik 12 no. 1:38-39 Ap '67

In the world of science and technology. Mo. sbor. 50 no. 3:68-70 Mr '67.

One-step method for obtaining an oscillogram. B. I. Petrov, R. M. Sobol', V. A. Veldenbakh. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:148-147 Mr.-Ap '67.

Stop, moment, ... V. Lebedev. Sov. vola 10 no. 2:20-22 Ja '67

PHOTOGRAPHY—COLLECTORS AND COLLECTING

Problem of the evaluation and selection of documentary motion pictures, photographs, and phonograph records. Sov. akh. no. 2:71 '67

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

A certain characteristic of fixational developing. I. B. Blumberg, R. V. Dimitrov, I. F. Nazarov. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:145-146 Mr.-Ap '67.

Developing machine for automatic photoprocessing of an X-ray film. N. D. Krennev. Defektoskopiya no. 2:75-77 '67

Study of the diffusion of silver halide solvents in gelatinous media. Report No. 3: Solution of silver halide in a two-layer gelatinous medium. T. N. Gerasimova, A. V. Blumberg. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:136-142 Mr.-Ap '67

Study of the kinetics of high-speed fixation. I. B. Blumberg, V. G. Ivanova, R. V. Dimitrov. Zhur. nauch. i prikl. fot. i kin. 12 no. 2:89-97 Mr.-Ap '67.

PHOTOGRAPHY—EXHIBITION

A source for the acquisition by archival agencies. V. F. ...

PHYSIOLOGY—STUDY AND TEACHING

Present day state and aspects of a programmed method of teaching normal and pathological physiology. G. I. Fuzitskiy. Pat fiziol i eksp tey p. 41 no 1:80-82 Ja-F '67.

PHYTOGEOGRAPHY

Geobotanical showings of buried karst forms on one of the Alt domes. F. I. Nurmambetov, G. M. Potapova. Izv AN Kazakh SSR Ser. geol. 24 no 3:1-75 My-Je '67.

PHYTOPATHOLOGY

Activity of some fungicides in relation to the phytophthora infection of tomatoes. L. I. Gritso, V. V. Zubenko. Trudy vuzov, 5 no 5:27-31 '67.

PHYTOPLANKTON see subdivision under Baltic Lake region

PIEZOELECTRICITY

Effect of dielectric losses on the Q-factor of piezoelectric resonators. A. F. Pionoski. Akust i ul'trazv. no. 2 55-59 '66.

Stability coefficient of a piezoelectric resonator. A. T. Pionoski. Akust i ul'trazv. no. 2 60-62 '66.

PIEZOMETER

Experiment for piezometric determination of velocity head in static pressure of a fluid flow. P. A. Belyanikov, A. P. Belyanikov. Izv. tekh. probl. razb. pul'skop. 1:6-103 1a-1 '67.

PIGMENTS

Nature of some pigment antibiotics of *Actinomyces* with orange-red and violet substrate mycelium. M. A. Chesnokova, T. P. Prokhorovskaya, N. O. Il'inov. Trudy IZM 12 no. 5:330-331 My '67.

PILING (CIVIL ENGINEERING)

Graphoanalytic calculation of the stiffness of cylindrical pile supports with regard to bending stresses taking into consideration the deformation of the soil in the zone of contact and reinforcement. I. I. Vasil'yevskiy. Mosh. stroit. 12 no. 5:110-131 My '67.

Shoring the bore into the ground under the effect of a resonant vibratory hammer. I. A. Ivanovskiy. Trudy VSNIMSKh 1:103-111 '64.

Shoring piles in loose soils without jacking. L. S. Gerasimov. Gidrot. 19 no. 5:49-55 My '67.

PINE see subdivision under Carpathian Mountains

PINE—VARIETIES

Physiology of pine species introduced in Apsheron. M. I. Agamalyan. Izv. AN Azerb SSR Ser. biol. nauk no. 6 11-15 '66.

PINEAPPLE

Wonderful fruit. P. Ribas-Zade. Sov. tolg. 40 no. 5 51-52 My '67.

PINENE

Compounds with cytotoxic groups on α -pinene base. I. A. Javakhishvili, A. D. Dambalashvili, M. L. Gurunov. Zhur. ob. khim. 37 no. 4:805-809 Ap '67.

PINK SALMON—GENETIC RESEARCH

Nucleotide composition of DNA in somatic tissues of spawning humpback salmon. G. D. Bredyayev and others. Trudy IZM 12 no. 5:56-60 My-Je '67.

PINS AND NEEDLES

Stitching to be equal to the world standards. V. Kas'lanov. Mat. tekhn. snabzhen. 2 no. 5 35-37 My '67.

PIONEERS (COMMUNIST YOUTH)

Development of moral feelings in the Pioneers. K. D. Radtsig. Uch. zap. Ped. inst. Gorki. no. 2:117-142 '66.

PIPE

General solutions of problems on finite elastic deformations caused by stretching, bulging and twisting of sectioned pipes. K. S. Chelunian, R. K. Mkhitarian. Izv. AN Arm. SSR Mekh. 20 no. 2 37-44 '67.

Limits for the applicability of the theory of minor plastic deformations to the calculation of thick-walled pipes subjected to the action of internal pressure and longitudinal force. S. A. Hincharova. Izv. vuz. ucheb. zav. mashinostr. 2 no. 5 15-18 '67.

Production of sleeveless pump and compressor pipes of new type. V. A. Nuzhin, M. V. Kravtsov, I. A. Podgarevskiy. Za tekhn. prog. 7 no. 1:25-27 Ap '67.

Stress uniformity in strength pump and compressor pipes with thermally hardened ends and sleeves. I. A. Ustinov, B. A. Akhmedov. Za tekhn. prog. 7 no. 4:23-25 Ap '67. Stability of a curvilinear pipe with circular cross section subjected to external pressure. E. L. Aksel'rud. Mekh. i aer. tekh. no. 2 170-176 Mr-Apr '67.

Ultrasonic defectoscopy of large-diameter pipes. M. A. Ankarov. Akust. i ul'trazv. no. 2:80-83 '66.

PIPE—FLUID DYNAMICS

Calculating pressure losses in oil pipe elements and fittings. I. A. Zhidkov. Izv. vuz. ucheb. zav. ,neft' i gaz 10 no. 4 110 '67.

Studying the coefficient of the resistance of a pipeline in case of laminar flow of two-phase media. D. F. Fatkulov, O. Narkabulov. Dokl. AN Uz. SSR 23 no. 6 8-9 '66.

PIPE—TESTING

The D-11 ferroscope defectoscope for testing pipe quality. P. K. Oshchepkov and others. Defektoskopia no. 2:39-13 '67.

PIPE—WELDING

Calculating temperature fields in arc-contact welding of pipes. V. D. Taran, I. G. Gagen. Izv. vuz. ucheb. zav. ,neft' i gaz 9 no. 11:105-108 '66.

PIPE, CONCRETE

Akhmedov, I. N. [Reinforced-concrete pressure centrifuged pipes] Zhelezobetonnye i polynye tsentrifugirovannye trubyy. Moskva, Stroizdat, 1967. 162 p.

PIPE, PLASTIC

Analysis of approximate formulas used in the calculation of pipes. S. A. Engalychev, M. G. Sukharev. Shor. trud. LMI no. 55:114-121 '66.

Basis of the calculation of cylindrical shells and pipes from glass reinforced plastics under interior hydrostatic pressure. A. P. Mishchenko. Shor. trud. LMI no. 55 77-86 '66.

Hydraulic calculations for flexible caprine pipelines. A. I. Pritukha, G. I. Mel. 19 no. 5 77-81 My '67. Possibility of using polyethylene coating pipes in measuring soil moisture by the neutron method. L. N. Foberezhskiy, V. M. Maslennikov. Dokl. AN Uz. SSR 23 no. 6: 23-24 '66.

Progressive methods for the production of high-strength threads on glass reinforced plastic pipes. E. M. Ershov, V. I. Daydenko. Shor. trud. LMI no. 55 112-119 '66.

Technological calculations in the production of pipes from glass fiber laminates. S. I. Manashev and others. Shor. trud. LMI no. 55:125-132 '66.

Testing plastic pipes for heating systems of buildings. M. G. Sukharev, I. A. Gornacheva. Nauch. trudy AKhF no. 18 Febr. 1967 no. 2:133-139 '65.

Tsyplakov, O. G. [Marine fiber glass piping] Sudovye truboprovody iz stekloplastikov. Leningrad, Sudostroyeniye, 1967. 213 p.

PIPE, PLASTIC—TESTING

Some problems in the creep of polyethylene pipes. B. S. Vas'kov. Trudy LPI no. 278 13-19 '67.

PIPE, STEEL

Determining expansion force in calibrating large-diameter pipe ends. S. I. Borisov, V. K. Kotonenskiy. Met. i gor. no. 2 32-35 Mr-Apr '67.

Technology of manufacturing thick-walled, large-diameter pipe of OKHONPT steel. S. I. Danilin and others. Kuz. obshch. proizv. 9 no. 5 13-15 My '67.

PIPE, STEEL—WELDING

Argon arc welding of steam superheating pipe in 12KhMF steel. S. F. Bogushevskiy, V. P. Zavedeev. Svar. proizv. no. 5 41-42 My '67.

PIPE BENDING

Advanced pipe bending methods in foreign countries. I. P. Venger. Energomashinostroyeniye 13 no. 5 47-48 My '67.

PIPE BENDING—EQUIPMENT AND SUPPLIES

Galyperin, A. I. [Machines and equipment for pipe bending] Mashiny i oborudovaniye dlya gnil'ia trub. Izd. 2, perer. i dop. Moskva, Mashinostroyeniye, 1967. 170 p.

PIPE FITTING

Automatic centering of small-diameter pipes. G. A. Cherukov. Mekh. i avtom. proizv. 21 no. 5 6-7 '67.

PIPE FITTINGS

Calculating pressure losses in oil pipe elements and fittings. I. A. Zhidkov. Izv. vuz. ucheb. zav. ,neft' i gaz 10 no. 4 110 '67.

Quick-removal pipe fittings. E. P. Venger, R. G. Kuts, B. I. Tokh, -ekon, Inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 20 no. 5:23-24 My '67.

PIPE FLANGES—TESTING

Breakdown of flanged joints of pipes under the action of a variable tensile force. P. A. Pavlov. Trudy LPI no. 278 55-62 '67.

PIPE MILLS

Automation of the machining of pipes in the boiler industry. M. E. Barskiy and others. Energomashinostroyeniye 13 no. 4:29-31 '67.

PIPE MILLS—DESIGN AND CONSTRUCTION

Characteristics of the performance and design of KhPT 4 1/2" mills with counterweight balancing. O. A. Semenov and others. Met. i gor. no. 2:35-37 Mr-Apr '67.

PIPELINES

Increasing the resistance of movable pipelines. I. Panenkov, I. Farasov, V. Sharshak. Tekhn. i sci'thuz. 27 no. 6 17-21 '67.

PIPELINES—CATHODIC PROTECTION

Automatic intensified current drainage. P. G. Doroshenko, A. I. Fuzov. Gaz. prom. no. 5 22-26 '67. Cathodic protection of internal pipeline surfaces against corrosion. G. M. Oculnikov. Nauch. trudy Farmtuz. no. 7 147-152 '64.

PIPELINES—COMMUNICATION SYSTEMS

Intermediate amplifying of electric signals transmitted along gas pipeline. V. I. Seigovantsev, V. A. Litvinov, V. E. Stepanov. Gaz. prom. 12 no. 5 39-41 My '67.

PIPELINES—CORROSION

Protection from exterior corrosion of the underground communication lines of plants by ribbon-type polymeric coatings. V. I. Negreev, G. A. Alakhvich, R. D. Taivich, Za tekhn. prog. 7 no. 2:31-32 I '67.

PIPELINES—DESIGN AND CONSTRUCTION

Continuous rapid construction of pipelines. A. M. Zinovich, K. K. Smitnov. Gaz. prom. 12 no. 5 24-25 My '67.

PIPELINES—EQUIPMENT AND SUPPLIES

Mathematical economics methods of establishing norms for the expenditure of materials for repair and operational needs of pipeline transportation. V. A. Volikov, A. P. Martynov. Eksp. nefteob. prom. no. 2 29-37 '67.

PIPELINES—FLUID DYNAMICS

Calculating pressure drop along the lengths of nozzle or pipeline in forward motion turbulent flow of viscous fluids. M. I. Moshkin. Izv. vuz. ucheb. zav. ,neft' i gaz 9 no. 11:65-69 '66.

Investigating transportation process of gas-liquid systems. A. I. Gurbov. Gaz. prom. 12 no. 5:29-31 My '67.

PIPELINES—MAINTENANCE AND REPAIR

Calculating flexure of operating pipeline when being lifted. V. L. Berczin and others. Izv. vuz. ucheb. zav. ,neft' i gaz 9 no. 11:87-92 '66.

Device for detecting underground pipelines. V. G. Llugal, I. M. Kharitonov. Mash. i avtom. no. 5 22-25 '67.

PIPELINES—SAFETY MEASURES

Preventing lateral fractures of pipelines in shifting soils. D. N. Aleksandrov, B. I. Tokh, -ekon, Inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 20 no. 5:6-8 My '67.

PIPELINES—WELDING

Automatic welding and control of welded joints of gas pipelines and gas-gathering mains in the U.S.S.R. A. P. Seigovantsev. Gaz. prom. 12 no. 5 26-28 My '67.

PIPERIDINE

Aminification reaction with alkyl halides as a means for determining the configuration and conformation of pyridine bases. E. A. Mikhlin, N. I. Aronova. Izv. AN SSSR. Ser. khim. no. 4 783-788 Ap '67.

Basicity of amines of the piperidine series and basicity dependence on steric and polar factors. E. A. Mikhlin, N. I. Aronova. Izv. AN SSSR. Ser. khim. no. 4 780-793 Ap '67.

Physicochemical analysis of binary liquid systems formed by amines. Part 3. Systems piperidine-amine. I. I. A. Fialkov, O. V. Chivruk. Zhur. ob. khim. 37 no. 4:754-758 Ap '67.

PIPERIDINUM COMPOUNDS

Compatibility and determination of dimethylamine in medicinal prescriptions. V. A. Gotovkin. Farmatsiya 16 no. 2 71-74 Mr-Apr '67.

PIPERYLENE

Preparation of divinyl and cyclopentadiene from piperylene. T. S. Bodnaryuk, B. A. Gligorovich. Neftekhimiya 7 no. 2 208-213 Mr-Apr '67.

PISAREV, DMITRIY IVANOVICH, 1840-1868

Pisarev and Dobrolubov. V. V. Il'in. Uch. zap. MGPI no. 213 209-231 '64.

PISEMSKI, ALEKSEI FEOFILAKTOVICH, 1820-1881

Acoustic views of A. F. Pisemskiy in the 1850's and 1860's. P. G. Pustovoi. Vest. Mosk. un. Ser. 10. Filol. no. 3 13-25 My-Je '67.

PISTON RINGS

Increasing the resistance of piston rings by plasma metal spraying. V. F. Zananov, V. M. Grosheva, P. I. Iosad, met. 7 no. 5 46-52 My '67.

PISTON RINGS—TESTING

Device for checking the elasticity of piston rings. A. G. Shastin. Mashinostroyeniye no. 5:28 My '67.

PISTONS

Experimental study of the effect of the volume of the annular space on the performance of compressor piston packing. A. G. Avetisov. Izv. vuz. ucheb. zav. ,neft' i gaz 10 no. 4:87-90 '67.

PLANTS, EFFECT OF CALCIUM ON

Utilization of calcium by grapevine. T. I. A. Chkvaseli, S. S. Chantshvili. Fiziol. drev. rast. no. 2 44-47 '66.

PLANTS, EFFECT OF CARBON ON

Intensity of total expenditure of CH_4 assimilates on respiration and translocation from leaves of different beet and carrot varieties. V. S. Rodionov. Fiziol. rast. 14 no. 3 544-545 My-Je '67.

PLANTS, EFFECT OF CARBONATES ON

Role of carbonates and bicarbonates in grapevine chlorosis. E. G. Mikeladze, E. A. Makarevskaya. Fiziol. drev. rast. no. 2 57-63 '66.

PLANTS, EFFECT OF ELECTRICITY ON

Effect of street light on foliage. Priroda no. 5 122 My '67.

PLANTS, EFFECT OF LIGHT ON

Effect of day length and changing light balance on development of dormancy period in seeds of Leningrad pigweed. II and VI morphological groups. G. Sh. Shamsiev, G. B. biol. zhur. 11 no. 2 42-44 '67.

Effect of illumination on *Chlorella vulgaris* Beyer culture. P. O. Mushak. Ukr. bot. zhur. 24 no. 3 18-21 My-Je '67.

Effect of illumination on metabolic processes in corn at different levels of nitrogen, phosphorus and potassium nutrition. V. M. Parshykov, A. T. Hvozdykova. Ukr. bot. zhur. 24 no. 2 3-5 Mr-Apr '67.

Effect of light orientation of seeds on germination rate and growth nature. P. P. Chuvayev. Fiziol. rast. 14 no. 3 540-543 My-Je '67.

Effect of prolonged darkness on pigments and plastid apparatus in some sun and shade plants. T. N. Godnev, E. F. Shabel'skaya. Fiziol. rast. 14 no. 3 451-455 My-Je '67.

PLANTS, EFFECT OF MINERALS ON

(See also subdivision under Caucasus)

Absorption of mineral nutrients by roots of lupine and catnip in pure and mixed cultures. I. N. Rakhisevskaya, R. M. Aborava. Vestn. AN BSSR, Ser. biol. nav. no. 2 5-8 '67.

PLANTS, EFFECT OF NITRATES ON

Effect of ammonia and nitrate nitrogen on P_{32} uptake into the root system of grapevine. T. I. A. Chkvaseli. Fiziol. drev. rast. no. 2 35-37 '66.

PLANTS, EFFECT OF NITROGEN ON

Changes in amino acid composition of bulk protein in *Asteromonas gracilis* Artari in relation to nitrogen nutrition. M. V. Pakhomova, E. V. Iurina. Nauch. dokl. vys. shkoly, biol. nauki 10 no. 4 101-104 '67.

Diurnal rhythm of nitrogen metabolism in plants. I. I. Rasmayev. Fiziol. rast. 14 no. 3 546-548 My-Je '67.

PLANTS, EFFECT OF OXYGEN ON

Chemism of the production of oxygen in photosynthesis. D. I. Sapozhnikov. Dokl. AN Tadzh. SSR 10 no. 2 40-43 '67.

Effect of oxygen concentration on absorptive activity of the root system. T. I. A. Chkvaseli. Fiziol. drev. rast. no. 2 38-43 '66.

Effect of respiratory inhibitors on oxygen requirement by wilting plants. V. N. Zholkovich, A. I. A. Rogacheva. Fiziol. rast. 14 no. 3 500-508 My-Je '67.

PLANTS, EFFECT OF PHOSPHORUS ON

Effect of ammonia and nitrate nitrogen on P_{32} uptake into the root system of grapevine. T. I. A. Chkvaseli. Fiziol. drev. rast. no. 2 35-37 '66.

Effect of temperature on P_{32} inclusion into nucleotides of pea leaves. O. A. Semikhatova, G. N. Nikulina. Dokl. AN SSSR 173 no. 6 1466-1468 Ap '67.

PLANTS, EFFECT OF RADIATION ON

Effect of ionizing radiation and colchicine on some characteristic changes in mulberry varieties. I. K. Abdullaev, D. O. Gasanov. Izv. AN Azerb. SSR, Ser. biol. nauk no. 6: 3-10 '66.

PLANTS, EFFECT OF SALTS ON

Effect of salinity differences on water uptake and germination energy in cotton seeds. Kh. Kh. Eniliev, M. T. Ismagamova. Uzb. biol. zhur. 11 no. 2 23-25 '67.

PLANTS, EFFECT OF SOLAR RADIATION ON

Relationship between photosynthesis, plant growth and geometrical foliage structure of vegetation and the solar radiation balance at various latitudes. H. Tooming. Bot. zhur. 52 no. 5 601-618 My '67.

PLANTS, EFFECT OF STRONTIUM ISOTOPES ON

Sr-90 content in leaves and fruit of some fruit trees. B. M. Kavtadze, N. M. Datukidze. Soob. AN Gruz. SSR 46 no. 1 195-197 Ap '67.

PLANTS, EFFECT OF TEMPERATURE ON

Effect of temperature on P_{32} inclusion into nucleotides of pea leaves. O. A. Semikhatova, G. N. Nikulina. Dokl. AN SSSR 173 no. 6 1466-1468 Ap '67.

Seasonal temperature adaptations in early spring ephemerals of oak forests. T. K. Goryshina, T. A. Kovaleva. Bot. zhur. 52 no. 5 820-840 My '67.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Aftereffect of molybdenum and cobalt on peas. T. N. Godnev, A. V. Leshina. Dokl. AN BSSR 11 no. 1 359-361 Ap '67.

Bambergers, K., and A. Balode. [Microelements in vegetable gardening]. Mikroelementi darzenkopiba. Riga, Liesma, 1965, 128 p. [In Latvian]

Effect of complex microfertilizers on photosynthesis intensity in cotton. A. N. Narzikulov. Nauch. dokl. vys. shkoly, biol. nauki 10 no. 5 85-88 '67.

Effect of microelements on the development of black currant infected with doubling. E. M. Maklakova. Nauch. dokl. vys. shkoly, biol. nauki 10 no. 4 90-92 '67.

Effect of some ions on absorptive activity and respiration of grapevine roots. Fiziol. drev. rast. no. 2 26-34 '66.

Effect of trace elements on the chlorophyll content and the strength of the chlorophyll-protein-lipid complex of cotton during its early stages of development. D. Kh. Khodzhaev. Dokl. AN Uz. SSR 23 no. 7 61-63 '66.

PLANTS, FLOWERING OF

Internal factors in flowering of plants. M. Kh. Chaliakhlan. Usp. sov. biol. 63 no. 2 202-231 Mr-Apr '67.

Morphology of staminate flower and development of male gametophyte in sea buckthorn. V. R. Kondorskaya. Nauch. dokl. vys. shkoly, biol. nauki 10 no. 4 69-75 '67.

PLANTS, GASES IN

Assimilation of CH_4O_2 by *Tradescantia* leaves in molecular hydrogen atmosphere. D. A. Zakrzhevskii. Bot. zhur. 52 no. 5 696-700 My '67.

Photosynthetic carbon metabolism in CO_2 deficiency. A. T. Mokronosov, G. F. Nekrasova. Dokl. AN SSSR 173 no. 6 1463-1465 Ap '67.

PLANTS, ORNAMENTAL—IDENTIFICATION

Pidotti, O. A. [Key for the identification of seedlings of annual ornamental plants]. Opredelitel' vskhodov odnoletnikh dekorativnykh rastenii. Leningrad, Nauka, 1967. 121 p.

(DNAL)

PLANTS, PROTECTION OF

(See also subdivision under Bessarabia; Canada; Dobruja District; Florshly District; Moldavia; Shevchenko, Kazakhstan; Yaroslavl Province)

Brief information. V. A. Chulfin and others. Zashch. rast. 12 no. 5 57-58 '67.

Important possibilities. G. K. Tikhen'kil. P. 4, Kir. biol. Zashch. rast. 12 no. 5 12-13 '67.

Means for controlling pests and diseases. E. T. Kastianova. Zashch. rast. 12 no. 5 38-39 '67.

Pay attention to the efficient and economic methods. Zashch. rast. 12 no. 5 8 '67.

State farm team. A. D. Naumova, V. G. Zverkova, V. S. Shushkova. Zashch. rast. 12 no. 5 20 '67.

Tobacco crops protected. V. A. Gardiman. Zashch. rast. 12 no. 5 8 '67.

PLANTS, PROTECTION OF—CONGRESSES

Conference of protectors. N. P., V. M. Sofomakhina, M. F. Smitskaya. Zashch. rast. 12 no. 5 52-53 '67.

Congresses, conferences, sessions, and seminars. Zashch. rast. 12 no. 5 59-62 '67.

PLANTS, PROTECTION OF—STUDY AND TEACHING

See subdivision under Kishinev

PLANTS, SPACE ARRANGEMENT OF

See subdivision under Kazakhstan

PLANTS, SUGAR IN

Sugar uptake by sugar beet roots. V. E. Pontovich. Fiziol. rast. 14 no. 3 434-443 My-Je '67.

PLASMA (IONIZED GASES)

Closed magnetic traps for a plasma with a rotational transformation angle equal to zero. V. D. Shafranov. Atom. energ. 22 no. 5 356-361 My '67.

Diffusion of collisionless potassium plasma across a magnetic field during drift instability. A. A. Ivanov, I. A. R. Rakhimbabae, V. D. Rusanov. Zhur. eksp. i teor. fiz. 52 no. 4 933-936 '67.

Dissociation of tungsten carbide in a flow of low-temperature plasma. S. A. Panfilov, I. U. V. Svtetkov, D. M. Chiznikov. Izv. AN SSSR, Met. no. 2 66-73 My-Je '67.

Electrodynamical properties of a mixture of electric and magnetic charges. V. G. Veselago. Zhur. eksp. i teor. fiz. 52 no. 4 1025-1026 '67.

Electron recombination in a weakly ionized gas. I. S. Veselovskii. Zhur. eksp. i teor. fiz. 52 no. 4 1034-1036 '67.

Electrostatic polarization of a cylindrical plasma layer in an external static magnetic field. K. S. Golovanvskii, V. A. Pogosian, O. S. Torosian. Mag. gidr. no. 1 32-38 '67.

Emission and the relation between the ion and electron temperatures in an optically transparent plasma. N. M. Kuznetsov. PMTF no. 2 141-144 Mr-Apr '67.

Heating of a plasma by the radiation from a laser located in a strong magnetic field. P. I. Shkurupai, G. A. Shneerson. Zhur. eksp. i teor. fiz. 52 no. 4 1161-1165 Je '67.

Homodyne phase meter for measuring concentrations of electrons in plasma. V. V. Khilil'. Radiotekh. i elektron. 12 no. 8 980-985 Je '67.

Instability of the disturbed zone in the vicinity of a body in a plasma subjected to electron emission from its surface. V. V. Smirnova. Geomag. i aer. 7 no. 1 33-44 '67.

Instability of a plasma with hot electrons related to the "cone of losses". L. V. Korshlev. Pis' v red. Zhur. eksp. i teor. fiz. 52 no. 5 137-141 Mr '67.

Longitudinal flows of plasma in an arc. O. B. Bron, L. K. Sushkov. Elektrotehnika 38 no. 5 28-31 My '67.

Macroscopic description of a collision plasma located in a strong magnetic field as treated in the stability problems. A. B. Mikhailovskii. Zhur. eksp. i teor. fiz. 52 no. 4 943-954 '67.

Nonlinear drift waves in a plasma. V. I. Petviashvili. Dokl. AN SSSR 174 no. 1 66-68 My '67.

Parameter inconsistency of an interplanetary plasma. M. G. Usp. fiz. nauk 92 no. 1 168-172 My '67.

Plasma confinement in toroidal traps with destructed magnetic surfaces. B. B. Kadomtsev. Zhur. eksp. i teor. fiz. 52 no. 4 1030-1048 '67.

Plasma flow emanating from reference points of an arc. O. B. Bron, L. K. Sushkov. Izv. vys. ucheb. zav., elektromekh. no. 1 7-14 Ja '67.

Probing of a cesium low voltage arc between two emitting electrodes. G. A. Duzhev and others. Zhur. tekhn. fiz. 37 no. 6 1153-1157 Je '67.

Propagation of sound in a partially ionized plasma. I. S. Veselovskii. Geomag. i aer. 7 no. 1 45-54 '67.

Reflection of a plasma by a linearly increasing transverse magnetic field. A. M. Kovalev, N. A. Khizhniak. Zhur. tekhn. fiz. 37 no. 6 1052-1056 Je '67.

Role of the break-up of Langmuir waves into ionosonic waves in the interaction between an electron beam and a nonisothermal plasma. V. A. Lipetovskii. PMTF no. 2 33-30 Mr-Apr '67.

Shape of the boundary of a freely spreading plasma in a magnetic field. V. A. Filipenko. PMTF no. 2 126 Mr-Apr '67.

Steady-state solutions to equations of quasi-linear approximation in a plasma with collisions. I. U. L. Klimontovich, V. V. Logvinov. PMTF no. 2 35-40 Mr-Apr '67.

Structure of an electrostatic charge in a pulsed plasma flow. K. S. Golovanvskii, V. D. Dugar-Zhabon. Mag. gidr. no. 1 39-42 '67.

Studying the plasma-optical effects in a laser at 0.63, 1.15, and 3.39 μ wavelength. L. P. Veilikok, A. E. Potiad, S. A. Fridrikhov. Zhur. tekhn. fiz. 37 no. 6 1127-1133 Ja '67.

Theory of the difference frequency increase and extraction in the system plasma-beam. N. A. Kotsarenko, A. M. Fedorchenko. Zhur. tekhn. fiz. 37 no. 6 1037-1052 Je '67.

Yield of a cold plasma from the magnetosphere. M. G. Usp. fiz. nauk 92 no. 1 165-168 My '67.

PLASMA (IONIZED GASES)—DENSITY

Density redistribution of electrons and ions of a plasma, brought about by a strong superhigh frequency field. V. I. A. Kotsarenko and others. Zhur. tekhn. fiz. 37 no. 6 1145-1154 Je '67.

PLASMA (IONIZED GASES)—MATHEMATICAL MODELS

Simulation method in plasma physics. V. V. Logvinov, K. S. Oganezov. Priroda no. 4 32-41 Ap '67.

PLASMA (IONIZED GASES)—MEASUREMENT

Variation in the floating potential of Langmuir probe due to variable voltage. V. A. Godlak, A. M. Ivanov, A. A. Kuzovnikov. Zhur. tekhn. fiz. 37 no. 6 1083-1087 Je '67.

PLASMA JETS

Analogy of physical processes in an impulsive discharge and under the effect of concentrated laser radiation on metals. L. I. Grechikhin, L. I. A. Min'ko. Zhur. tekhn. fiz. 37 no. 6 1169-1172 Je '67.

Investigating formation of acetylene from methane in hydrogen plasma jet at atmospheric and elevated pressures. G. I. Kozlov, G. N. Khudakov, I. U. Kobzev. Neftekhimiya 7 no. 2 224-231 Mr-Apr '67.

Pyrolysis of propane-butane mixture in jet plasma. A. L. Suris, S. N. Shorin. Khim. vys. energ. 1 no. 3 264-267 My-Je '67.

Thermal decomposition of tetrachlorosilane under strong adiabatic compression in a plasma jet. F. B. Vursal, L. S. Potak, V. S. Shchepachev. Khim. vys. energ. 1 no. 3 268-274 My-Je '67.

PLASMA OSCILLATIONS

Scattering of electromagnetic waves by plasma waves. G. M. Filippov. Vest. Mosk. un. Ser. 3, Fiz. astron. 22 no. 3 15-22 My-Je '67.

Studying the turbulent state of a plasma during drift instability. N. S. Buchelnikova, R. A. Salimov, I. U. L. Eidel'man. Zhur. eksp. i teor. fiz. 52 no. 4 837-843 '67.

PLASMOIDS

Flight of a circularly charged plasmoid along the axis of a semi-infinite circular wave guide. E. I. Urazakov. Vest. Mosk. un. Ser. 3, Fiz., astron. 22 no. 2 22-28 Mr-Apr '67.

Interaction forces of an electromagnetic wave with a plasmoid. I. U. L. Lobanov, E. S. Lonskii, E. I. Urazakov. Vest. Mosk. un. Ser. 3, Fiz., astron. 22 no. 2 10-15 Mr-Apr '67.

PNEUMOGASTRIC NERVE see Vagus nerve

2437

POLYNOMIALS

Evaluation of trigonometric series and polynomials in connection with problems in the theory of approximation of functions. S. A. Tel'nikovskii. Mat. zam. 1 no. 5 611-623 '67.

Equilibria for polyharmonic polynomials in a mixed form. I. S. Bugrov. Izv. AN SSSR, Ser. mat. 31 no. 2 215-228 Mr.-Ap '67.

POLYPROPYLENE

Calorimetric study of polypropylene oxide. I. U. K. Goshvili, G. L. Slonimskii. Vysokom. soed. Ser. A 9 no. 4 815-850 Ap '67.

Calorimetric study of the kinetics of isothermal crystallization of polypropylene oxide. G. L. Slonimskii, I. U. K. Goshvili. Vysokom. soed. Ser. A 9 no. 4 863-873 Ap '67.

Hydrodynamic anomalies in the flow of polyisobutylene solutions of different concentrations. L. I. Sulzhenko, E. V. Kuvshinskii. Vysokom. soed. Ser. A 9 no. 4 820-825 Ap '67.

Physicochemical properties of modified polypropylene. E. G. Leshchinskii, R. V. Toimer, V. E. Gul'. Plast. massy no. 5 60-62 '67.

POLYPROPYLENE, EFFECT OF RADIATION ON

Formation of radicals in the photodecomposition of polypropylene. I. U. A. Eishov, I. U. V. Gak. Izv. AN SSSR, Ser. khim. no. 4 778-783 Ap '67.

POLYSACCHARIDES

Isolation of antigenic polysaccharide from common liver fluke. Uzb. biol. zhur. 11 no. 2 53-55 '67.

Polysaccharides of algae. Part 1. Water-soluble polysaccharides of Laingia pacifica red alga. N. K. Kochetkov, A. L. Uslov, L. I. Mitroshnikova. Zhur. ob. khim. 37 no. 4 792-796 Ap '67.

POLYSACCHARIDES—PHYSIOLOGICAL EFFECT

Effect of polysaccharide-containing complex of Malloomyces pseudomallei on experimental tumors in animals. E. P. Efremova and others. Antibiotiki 12 no. 5 375-380 My '67.

POLOVOVSKII, NIKOLAI GERASIMOVICH, 1835-1863

The ethics of happiness in the literature of the beginning of the 1860's, the tales of N. G. Polovovskii. A. V. Barmin. Uch. zap. MGPI no. 213 153-180 '61.

POPULAR—VARIETIES see subdivision under Baikal Lake region

POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949

A memorable meeting. Dm. Petrov (Birluk). Sov. voyn. 49 no. 1 30-31 Ja '67.

The revolution of 1905 was crushed, long live the revolution. N. S. Tenditnik. Trudy Irk. un. 33 11-27 '64.

POPOVICH, PAVEL ROMANOVICH, 1830-

Life by the heights. P. Popovich. Gruzhd. ev. 24 no. 4: 10-12 Ap '67.

POPPY—DISEASES AND PESTS see subdivision under Ukraine

POPULATION

Recent trends in developing scientific problems in the population geography of the U. S. S. R. I. U. L. Pivovarov. Izv. AN SSSR, Ser. geog. no. 3 126-131 My-Je '67.

POPULATION—CONGRESSES

Second All-Union Conference on the Geography of the Population. A. N. Annenskii and others. Izv. AN SSSR, Ser. geog. no. 3 134-136 My-Je '67.

POPULISM (NARODNICHESTVO)

G. V. Plekhanov and Populist literature of the 1870's and 1880's. N. A. Gorbanev. Uch. zap. MGPI no. 213 11-51 '64.

PORCELAIN see subdivision under Minsk

POROSITY

Analyzing and improving the methodology of determining the porosity of carbonate rocks. Kh. Sh. Sabitov, A. P. Petrik. Neftprom. delo no. 5 7-10 '67.

Effect of depth of occurrence on reservoir properties of terrigenous rocks in Devonian of Volgograd Province. P. A. Karpov. Trudy VNIIG no. 3 59-60 '65.

Effect of the quantity of a cross-linking agent on the porosity of styrene copolymers with bevinylbenzol. M. V. Tshupokina and others. Plast. massy no. 5 15-18 '67.

Experience in using data of neutron gamma method for evaluating porosity of carbonate rocks. A. S. Psarikov, A. M. Ermakova. Trudy VNIIG no. 3 372-387 '65.

Porosity of woodpulp and cotton pulp intended for acetylation. M. V. Tshupokina and others. Zhur. prikl. khim. 40 no. 3 856-861 Mr '67.

Ways of obtaining silica gels of specified porous structure. R. I. U. Sheinfain, I. E. Nemark. Kin. i kat. 8 no. 2 433-440 Mr.-Ap '67.

POROUS MATERIALS

Experimental study of the distribution of pores by sizes in capillary-porous bodies. P. P. Lutsik, D. P. Litvinchuk, M. F. Kazanskii. Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 2 112-120 '67.

Porous materials from liquid thiolol. A. V. Solomatin and others. Kauch. i rez. 26 no. 5 23-26 '67.

Preparing porous products of high-melting oxides and studying their gas permeability. V. F. Znamenskii, V. M. Grosheva. Porosh. mel. 7 no. 5 53-58 My '67.

Strength variation of porous dispersed bodies dependent on conditions of interaction with water. G. D. Dlubrov and others. Dokl. AN SSSR 174 no. 1 154-157 My '67.

PORPHYRY see subdivision under Alaverdi District

PORTAL HYPERTENSION

Diagnosis of portal hypertension. M. A. Kiselev, N. M. Khumeliev, S. Guseinova. Izv. AN Azerb. SSR, Ser. biol. nauk no. 6 123-130 '65.

PORTAL VEIN—CANCER

Portal vein under normal conditions, in cirrhosis of the liver and cancer. I. L. Seraphim. Vest. khir. 98 no. 4: 30-38 Ap '67.

PORTAL VEIN—RADIOGRAPHY see Splenopography

PORTLAND CEMENT

Use of organic surface active agents for the intensification of the grinding of Portland cement. A. N. Grach'ian, L. N. Dovyborova. Izv. vyz. ucheb. zav., khim. i khim. tekhn. 10 no. 2 203-206 '67.

PORTUGAL—POLITICS AND GOVERNMENT

The tyranny of Salazar under attack. S. Pakin. Agitator no. 5 55-56 Mi '61.

POSITRONS—SCATTERING

Backscattering of positrons from targets of various compositions. L. M. Bolarshtin, Atom. energ. 22 no. 5 405 My '67.

POSTAGE STAMPS see subdivision under Ceylon

POSTAGE STAMPS—TOPICS—ARTIFICIAL SATELLITES

Relaying earth satellites on world stamps. V. A. Orlov. Zem. i vesl. 2 no. 6 86-88 N-D '66.

POSTERS

Visual propaganda must be carried out in a more business-like way. Part. zhizn' no. 10 68 My '67.

[We should contribute to the solution of problems in the building of communism, a visual aid based on the materials of the plenary session of the Central Committee of the CPSU in September 1965.] Na uroven' zadach kommunisticheskogo stroitel'stva; nagladnoe posobie po materialam sentyabr'skogo (1965 g.) Plenuma TsK KPSS. [Moskva, Politizdat, 1965] 10 plates in portfolio (Vremia i sobytia, no. 1) (CS-11)

POSTOPERATIVE CARE

Blood alkaline reserves in narcosis during surgery and in the postoperative period. P. N. Makushkin, Khim. khir. no. 3 78-79 Mr '67.

Disorders of cardiac activity in postoperative period in patients having undergone surgery on thoracic organs. O. S. Shkrob and others. Sov. med. 30 no. 5 79-83 My '67.

POTASH MINES AND MINING

(see also subdivision under Kalush region, Ukraine; Kama Valley)

Calculating pillars in potash mines and chamber filling. V. L. Vodop'ianov. Nauch. trudy Perm. NIUI no. 7 309-315 '64.

Kuluzov, B. N., and V. M. Globa. [Improving boring and blasting operations in potash mines.] Sovetskoye stroitel'stvo burovzryvnykh rabot na kallynykh rudnikakh. Moskva, Nedra, 1967, 113 p.

Strengthening effect of filling upon interchamber pillars. V. L. Vodop'ianov, V. M. Barkovskii, V. G. Artemov. Nauch. trudy Perm. NIUI no. 7 281-293 '64.

POTASH MINES AND MINING—MANAGEMENT

see subdivision under Kama Valley

POTASSIUM

Burner with electric fuel liquid heating for flame photometric determination of sodium and potassium. I. A. B. Buril'yanov. Pochvovedenie no. 5 147-149 My '67.

POTASSIUM-ARGON DATING

Comparative potassium-argon dating of tectites, the Nordlinger Ries (German Democratic Republic), Bosumtwi (Ghana) and other natural glasses. I. Tseringer, V. Gontner. Meteoritika no. 2 151-152 '68.

Use of nepheline in K-Ar geochronometry. L. L. Shanin, V. A. Kononova, I. B. Ivanov. Izv. AN SSSR, Ser. geol. no. 5 19-30 My '67.

POTASSIUM CHLORIDE CRYSTALS—ELECTRIC PROPERTIES

Conductivity and dielectric losses of KCl crystals with admixtures. M. M. Nekrasov, B. M. Belitsky, M. K. Rodionov. Izv. vyz. ucheb. zav., fiz. no. 4 11-14 '67.

POTASSIUM CHLORIDE CRYSTALS—GROWTH

Dislocation structure of KCl crystals grown during the vibration of the melt. G. M. Konnikova, S. A. Bichurina. Izv. vyz. ucheb. zav., fiz. no. 4 153-155 '67.

POTASSIUM FERROCYNIDE

Rapid method of determining gallium in the presence of large amount of aluminum by amperometric titration. I. L. Bagbanly, S. L. Bagbanly. Dokl. AN Azerb. SSR 23 no. 1 13-17 '67.

POTASSIUM FLUOBERYLLATES

Interaction of potassium fluoberyllate and fluocyttrale. M. P. Borzenkova, A. V. Novoselova. Izv. AN SSSR, Neorg. mat. 3 no. 5 806-809 My '67.

POTASSIUM ISOTOPES

Isotopic composition of potassium. G. M. Marjanashvili, M. Sh. Kaviladze, I. V. Abashidze. Trudy Tbil. GU no. 103 91-95 '65.

POTASSIUM IN THE BODY

Correlation between the content of potassium in the myocardium and ECG in cardiac insufficiency. E. I. Sokolov. Kardiologiya 7 no. 3 131-133 Mr '67.

POTASSIUM MANGANATE

Use of ultrasonic waves in the electrochemical oxidation of potassium manganate to permanganate. A. P. Gindis. Khim. prom. Ukr. no. 5 14-16 S-O '66.

POTASSIUM PERMANGANATE

Nature of solid solutions in the system BaSO₄ - KMnO₄. N. A. Shishakov, L. P. Dmitrieva. Dokl. AN SSSR 173 no. 6 1386-1388 Ap '67.

POTASSIUM SALTS

X-ray structural examination of nitroform potassium salt. N. I. Golovina, L. O. Atovmian. Zhur. strukt. khim. 8 no. 2 307-311 Mr.-Ap '67.

POTASSIUM SALTS—TESTING

(see also subdivision under Kama Valley) Investigating mechanical properties of carnallite in rock mass with the aid of DS-1 hydraulic jack. V. M. Barkovskii, V. L. Vodop'ianov, I. Kh. Gadrakhimov. Nauch. trudy Perm. NIUI no. 7 273-280 '64.

POTATO BEETLE

Detect Colorado beetle. E. N. Sushchinskii. Zashch. rast. 12 no. 5 41-42 '67.

POTATO BEETLE—BIOLOGICAL CONTROL

Effect of the white muscardine fungus (Beauveria bassiana (Bals.) Vuill.) on the larvae of the Colorado beetle (Leptinotarsa decemlineata Say) using various amounts of spores. T. A. Primak. Zashch. rast. [Kiev] no. 4 114-118 '67.

Fertility of the Colorado beetle (Leptinotarsa decemlineata Say) under the effect of the white muscardine fungus (Beauveria bassiana (Bals.) Vuill.). A. I. Sikura, L. V. Sikura. Zashch. rast. [Kiev] no. 4 77-89 '67.

POTATO BEETLE—EXTERMINATION

Change in the microflora and the pH value of hemolymph of the larvae of the Colorado beetle under the effect of the white muscardine fungus (Beauveria bassiana (Bals.) Vuill.) and DDT. V. P. Pristavko. Zashch. rast. [Kiev] no. 4 47-50 '67.

Comparative evaluation of the effect of the biological preparation beauverin mixed with various insecticides on the Colorado beetle caterpillars (Leptinotarsa decemlineata Say). N. N. Tron'. Zashch. rast. [Kiev] no. 4 145-148 '67.

Effect of the white muscardine fungus (Beauveria bassiana (Bals.) Vuill.) and sublethal DDT doses on the change in the hemolymph and hibernation of the Colorado beetle. L. V. Sikura. Zashch. rast. [Kiev] no. 4 90-100 '67.

Protein and carbohydrate metabolism in the larvae of the Colorado beetle (Leptinotarsa decemlineata Say) under the effect of the white muscardine fungus (Beauveria bassiana (Bals.) Vuill.). E. N. Degtareva. Zashch. rast. [Kiev] no. 4 110-113 '67.

Use of the biological preparation beauverin combined with insecticides in controlling Colorado beetle (Leptinotarsa decemlineata Say). N. A. Tetenga, A. I. Sikura, A. I. Smetnik. Zashch. rast. [Kiev] no. 1 3-23 '67.

POTATO HARVESTING MACHINERY

(see also subdivision under Germany, East) Basic trend in scientific research work in producing potato harvesting machinery. A. B. Troitsyn. Trudy TSNIIMESKII 3 75-78 '64.

Chaus, V. M. [Working parts of potato harvesting machines.] Trudy obshch. nauch. kartofeleburochnykh mashin. Moskva, Mashinostroenie, 1968, 81 p. (DIAL)

The potato conveyor-loader. V. Zabolotskii, A. Leshchinskii. Sov. torg. 40 no. 5 61 My '67.

Resistance to motion of agricultural units in potato cultivation. A. M. Makarenkov. Trudy TSNIIMESKII 3 66-74 '64.

POTATO HARVESTING MACHINERY (Continued)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POTATO LATE BRIGHT—EXTRIMINATION see subdivision under Yuzovsk Province

POTATO PLANTERS (MACHINES)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POTATOWART see subdivision under Yaroslavl Province

POTATOES see subdivision under Georgia, Oral Province, Ukraine, White Russia

POTATOES—USES AND WISTS see subdivision under United Arab Republic

POTATOES—STORAGE
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POTATOES—VARIETIES see subdivision under White Russia

POTENTIAL THEORY OF
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POTENTIOMETER
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POTENTIOMETRIC ANALYSIS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POTTERY, ANCIENT see subdivision under Ketch Peninsula

POTTERY, PRIMITIVE see subdivision under Dnieper Valley, Novgorod Province

POULTRY
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POULTRY—FEEDING AND FEEDS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POULTRY HOUSES AND EQUIPMENT
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POULTRY INDUSTRY
(see also subdivision under Europe, Eastern)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POULTRY INDUSTRY—MANAGEMENT see subdivision under Uzbekistan

POULTRY INDUSTRY—MECHANIZATION see subdivision under Ukraine

POULTRY INDUSTRY—TECHNOLOGICAL INNOVATIONS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POULTRY PLANTS—EQUIPMENT AND SUPPLIES
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWDER METAL PROCESSES
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWDER METALLURGY
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWDER METALLURGY—COSTS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWER ENGINEERING
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWER ENGINEERING—TECHNOLOGICAL INNOVATIONS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
3. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWER PRESSES
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWER PRESSES—MAINTENANCE AND REPAIR see subdivision under Minsk

POWER TOOLS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

POWER TRANSMISSION
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRASEODYMIUM SELENIDES—THERMOELECTRIC PROPERTIES
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRASKOVEYA OIL FIELD—OIL WELLS—HYDRAULIC FRACTURING
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRECAST CONCRETE
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRECAST CONCRETE CONSTRUCTION
(see also subdivision under Yugoslavia)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRECIPITATION (CHEMISTRY)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRECIPITATION (METEOROLOGY)
(see also subdivision under Cuba)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRECIPITATION (METEOROLOGY)—ANALYSIS
(see also subdivision under Tien Shan)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRECIPITATION (METEOROLOGY)—ANALYSIS
(see also subdivision under Tien Shan)
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PREGNADUENOL
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PREGNANCY
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PREGNANCY, COMPLICATIONS OF
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PREGNADUENOL
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PREOBRAZHENSKITE—OPTICAL PROPERTIES
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRESCHOOL EDUCATION see Education, Preschool

PRESSURE
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRESSURE—MEASUREMENT
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRESSURE GAUGES
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRESSURE GAUGES—CALIBRATION
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRESSURE REGULATORS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

PRESSURE VESSELS—MODELS
1. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967
2. V. I. Kuznetsov, Izv. AN SSSR, Mekh. i Mash. 12 no. 5 1967

- PROLINE**
Effect of ribonucleic acid on the content of hydroxyproline in growing regenerating bone A. M. Belous, Biol. eksp. biol. med 63 no. 6 111-112 Je '67
- PROMEDOL—PHYSIOLOGICAL EFFECT**
Influence of the combination of promedol and tranquilizers on the analgesic effect of local anesthetics. A. B. Letman, Biol. eksp. biol. med 63 no. 6 57-59 Je '67
- PROMETHIUM ISOTOPES—DECAY**
Pm151 level scheme B. S. Dzhetepov, IV. V. Katinchev, A. G. Sergeev Izv. AN SSSR Ser. fiz. 31 no. 4 670-679 Ap '67
- PROMETRYN**
Results of testing prometryn in forage beet, pea, and carrot fields M. I. Volnov Khim. v sel. khoz. 5 no. 6 44-45 Je '67
Testing prometryn against weeds in soybean, castor bean, mustard, and cotton fields. D. S. Vasil'ev, P. N. Tarostavskaya, Khim. v sel. khoz. 5 no. 5 36-38 '67
- PROPADIENE**
Chemistry of silene derivatives. M. V. Mavrov, V. I. Kucherov, Usp. khim. 36 no. 4 553-586 Ap '67
- PROPANE**
Colorimetric determination of the quality of diphenylol-propane. G. V. Gullayeva, M. I. Kivtseva Khim. prom. 42 no. 9 64-65 S '66
Equilibrium "hydrate - gas phase" in system "propane - propylene - water." V. I. Fomina, S. Sh. Byk Gaz. prom. 12 no. 3 50-56 Mi '67
High-temperature conversion of propane and butane fractions in the presence of nitrogen diluent. D. A. Guseinov and others, Azerb. neft. khoz. 46 no. 5 37-39 My '67
Purification of neopentyl glycol and trimethylolpropane by removing inorganic salts by means of ion exchange resins D. M. Rudkovskii and others Khim. prom. 42 no. 9 32-33 S '66
- PROPANEDIOL**
Use of the Taft equation in selecting homogeneous catalysts for oxidation of propylene to propylene glycol V. F. Odlovskiy, K. I. Matveev, Khim. i kat. 8 no. 2 322-330 Mr-Apr '67
- PROPELLERS**
First tests of screw propellers. I. V. Girs, Sudostroenie 57 no. 3 63-65 Mr '67
First tests of screw propellers. I. V. Girs, Sudostroenie 57 no. 4 73-75 Ap '67
Forced fit of screw propellers on shafts. V. Zelenov, Rezh. transp. 26 no. 3 27-28 '67
Some results of the operation of supercavitating propellers V. M. Ivchenko Sudostroi. i mor. soor. no. 2: 45-48 '66
- PROPELLERS—MAINTENANCE AND REPAIR** see subdivision under Arctic regions
- PROPELLERS—MODELS**
Stabilized electric drive for models of screw propellers. V. A. Konovaltuk Sudostroenie 57 no. 2 55-59 F '67
- PROPENE**
Alkylation of thiophene by isobutylenes. N. I. Shutkin, B. I. Lebedev, Izv. AN SSSR, Ser. khim. no. 5 1154-1155 My '67
Catalytic oxidation of propylene on silver. Part I: Use of catalysts containing no additives. L. M. Kaliberda and others, Khim. i kat. 8 no. 2 463-465 Mr-Apr '67
Homolytic rearrangement with 1,2-migration of chlorine in the process of polymerization of trihalopropenes. A. P. Supun and others, Dokl. AN SSSR 173 no. 6 1356-1359 Ap '67
Reaction of perfluorobutylene with sodium nitrite in dimethylformamide. IU. A. Cheburkov, I. L. Krunants, Izv. AN SSSR, Ser. khim. no. 4 820-833 Ap '67
Use of the Taft equation in selecting homogeneous catalysts for oxidation of propylene to propylene glycol. V. F. Odlovskiy, K. I. Matveev, Khim. i kat. 8 no. 2 322-330 Mr-Apr '67
- PROPERDIN**
Effect of surgical intervention on the level of properdin in the blood serum Sov. med. 30 no. 5 96-99 My '67
- PROPIOLADENYDE**
Synthesis and characteristics of propargyladenyde dimethyl hydrazone. B. V. Ioffe, D. D. T'Shovich, Izv. vya. ucheb. zav. i khim. i tekhn. 10 no. 3 301-303 '67
- PROPIOLIC ACID**
Polyelectrolyte behavior of polypropionic acid. G. V. Khutareva and others, Vysokom. soed. Ser. A 9 no. 4 772-777 Ap '67
Reaction of phenylchlorophosphites with methacrylic and propionic acids. V. K. Khairullin, V. N. Eliseenkov, A. N. Pudovik, Zhur. ob. khim. 37 no. 4 871-875 Ap '67
- PROPIONIC ACID**
Phosphorus-containing heterocycles. Part 10: Some derivatives of phosphonopropionic and chlorophosphonopropionic acids. N. A. Razumova, K. I. Novitskiy, M. V. Kivi Zhur. ob. khim. 37 no. 5 1136-1141 My '67
Results of testing simazine and dalapon in berry fields. V. V. Abramova, Khim. v sel. khoz. 5 no. 5 41-45 '67
- PROPIONIC ACID BACTERIA—CULTURES AND CULTURE MEDIA**
Growth characteristics in Propionibacterium shermanii studied by short-term continuous cultivation method N. M. Neronova and others Mikrobiologiya 36 no. 2 259-263 Mr-Apr '67
- PROPORTIONING EQUIPMENT**
Automatic control of the consumption of viscous masses. V. V. Iatskevich, Prom. Bot. 10 no. 4 37-38 Ap '67
Automatic proportioning of pulverized bakelite. M. M. Budynin, L. H. prozv. no. 5 10-11 My '67
Automatic proportioning unit of liquids for minor consumption. N. I. Get'perin, L. M. Polotskiy, IU. M. Golub Mekh. i avtom. prozv. 21 no. 5 25-26 '67
Universal digital proportioning device. L. S. Pankluc and others Mekh. i avtom. upr. no. 2 48-49 Mr-Apr '67
- PROPYLENE**
Experience in using NaA zeolites as drying agents for C₃ fractions in Grozny Chemical Combine. M. N. Zhavoronov and others, Neftepr. i neftekhim. no. 1 28-30 '67
- PROPYNE**
Study of the reaction of propargyl bromide with triethyl phosphite by means of infrared spectroscopy IU. A. Kenderat'ev, IU. K. Knobel, S. Z. Ivin Zhur. ob. khim. 37 no. 5 1094-1096 My '67
Vapor-phase oxidation of methylacetylene over heterogeneous catalysts. IU. A. Poltavchenko, N. I. Popova, Khim. i kat. 8 no. 2 335-339 Mr-Apr '67
- PROSPECTING**
(see also subdivision under Volgograd Province)
Biophysical method in geology. V. S. Matveev, Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3 76-84 My-Je '67
Interrelationship between prospecting and geological surveying. G. V. Krylov, Razved. i tekhn. nedr. 33 no. 5 14-17 My '67
Present status of petroleum and gas production in Central Asia and objectives of geologic prospecting work. V. V. Semenov, Trudy VNIIGI no. 46 14-21 '66
Using network methods of planning for the organization of prospecting. L. A. Lubenskii, P. V. Potzhaev, Razved. i tekhn. nedr. 33 no. 5 21-26 My '67
- PROSPECTING—GEOPHYSICAL METHODS**
(see also subdivision under Armenia; Caspian Sea; Kara-Kalpak A.S.S.R.)
Conference on problems of increasing effectiveness of geophysical field studies. P. M. Lomako, Gaz. prom. 12 no. 5 50-51 My '67
- PROSTHESES**
(see also subdivision under Dnepropetrovsk; Kiev; Reutov, Moscow Province)
From the College of the Ministry. Sols. obsap. 42 no. 4 49-51 Ap '67
Honor and glory to the working woman. N. Evseev, Sols. obsap. 42 no. 4 47 Ap '67
Prosthesis instead of heart. K. V. Massaev, Priroda no. 5 115-116 My '67
- PROTACTINIUM COMPOUNDS**
Oxalate complex compounds of Pa (V). A. V. Davydov, E. S. Pal'shin, Atom. energ. 22 no. 5 389-392 My '67
- PROTECTION OF PLANTS** see Plants, Protection of
- PROTECTIVE ATMOSPHERES**
Multiple-electrode electric-arc welding. L. A. Dobrokhvashin, N. M. Budnik, Svar. prozv. no. 3 26-28 Mr '67
Rolling high-melting metals in an inert controlled temperature. A. A. Hortov and others, TSvet. met. 40 no. 5 82-84 My '67
- PROTECTIVE CLOTHING** see Clothing, Protective
- PROTECTIVE COATINGS**
Anticorrosive and ornamental plastic material coverings. A. V. Brunov and others, Trakt. i sel. khoz. mash. no. 5: 15-16 My '67
Epoxy coating instead of chromium plating. M. S. Khaev, Mashinostroitel' no. 5 23 My '67
Epoxy-polyvinylbutyral priming paints for the corrosion protection of cleaned metal during the preassembly period. T. N. Serebrakova, P. F. Degtarev, Sudostroenie 57 no. 3 51-53 Mr '67
Nonuniform corrosive attack and protection of steel smoke pipes. E. V. Makarov, Zashch. met. 3 no. 3 373-375 My-Je '67
Protection from exterior corrosion of the underground communication lines of plants by ribbon-type polymer coatings. V. F. Negreev, G. A. Altkhverdiev, R. D. Tariverdiev, Za. tekhn. prog. 7 no. 2 31-32 F '67
- PROTECTION OF PIPES FOR THE PETROLEUM INDUSTRY.** E. V. Proskurkin, N. S. Gorbunov, Zashch. met. 3 no. 3 372-373 My-Je '67
- RUSSIA (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva.** [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroizdat.
- PI. 3. Sec. V. Ch. 9.** [Waterproofing and steam-proofing, regulations for the execution of work and acceptance of completed work] Gidroizolatsiya i parolizatsiya; pravila proizvodstva i priemki rabot. SNIP III-V-9-62. 1964. 16 p.
- Save cadmium and nickel.** Stand. i kach. 31 no. 4 70 Ap '67
Using electroplating in diamond coating of friction pairs. V. N. Bakut' and others, Mashinostroitel' no. 5 27-28 My '67
Using GEN-150 elastomers for protecting mine drainage equipment in Kizil Bastin. G. A. Pavlovich, G. F. Ladin, Nauch. trudy Perm. NIUI no. 7 146-148 '64
- PROTECTIVE COATINGS—ELECTRIC PROPERTIES**
Studying electrokinetic properties of protective coatings. I. L. Rozenfeld, K. A. Zhigolova, Zashch. met. 3 no. 3 298-304 My-Je '67
- PROTECTIVE COATINGS—TESTING**
Corrosion testing of chromium and multilayer coatings in milk industry media. G. Z. Shilova, A. V. Izmailov, N. N. Danilova, Zashch. met. 3 no. 3 365-367 My-Je '67
- PROTEIN METABOLISM**
Effect of thiazolidine derivatives on protein metabolism in reindeer. A. M. Shikov, Trudy Nauch. -issl. inst. sel. khoz. Krasn. Sev. 13 17-20 '66
Effect of various cobalt compounds on protein metabolism in the organism of sheep. A. F. Pen'kova, Khim. v sel. khoz. 5 no. 6 58-59 '67
- PROTEINASES**
Activation of E-prototoxin of type D Clostridium perfringens by type A and D proteinases. G. F. Shchegoleva, E. P. Zemlinitskaya, Zhur. mikrobiol., epid. i immun. 44 no. 6 74-77 Je '67
- PROTEINS**
Comparative characteristics of soluble proteins of pulmonary tumors. A. P. Belousov, N. A. Shurina, Vop. med. khim. 13 no. 3 251-256 My-Je '67
Distribution of grape proteins on asphadex and their identification. A. V. Mezhik, Soob. AN Gruz. SSR 46 no. 2 385-370 My '67
Effect of drought on the structure of cytoplasmic proteins in plant leaves as studied by dielectric superhigh frequency technique. N. V. Seilykh, L. P. Khokhlova, Fiziol. rast. 14 no. 3 507-518 My-Je '67
Elastic deformations of protein-enzyme. D. S. Chernavskii, IU. I. Khuyga, S. E. Simot' Mol. biol. i no. 3 419-424 My-Je '67
Kinetic method of the calculation of constants of molecule protein associations. B. I. Kuganov, Mol. biol. i no. 1 17-27 Ja-F '67
Modification of the method of protein determination in grain. A. Orlov, I. A. Shafershtein, Dokl. AN Tadzh. SSR 10 no. 4 40-52 '67
Study of soluble tissue proteins in Bombyx mori L. by electrophoresis in polyacrylamide gel. IU. B. Filippov, L. L. Shegoleva, Dokl. AN SSSR 174 no. 1 240-242 My '67
- PROTEINS IN THE BODY**
Inclusion of labeled leucine into the proteins of liver mitochondria. E. A. Pitus, Dokl. AN SSSR 174 no. 1: 234-235 My '67
- PROTEUS—CULTURES AND CULTURE MEDIA**
Biosynthesis of free amino acids by Proteus vulgaris 14K on media with organic acids. V. N. Shaposhnikov, V. S. Isheva, Mikrobiologiya 36 no. 2 197-204 Mr-Apr '67
- PROTEUS (BACTERIA GENUS)**
Effect of antibiotics on the content of some trace elements in the culture cells of Proteus bacteria. V. M. Vitvitskiy, Antibiotiki 12 no. 6 420-430 My '67
Some properties of a bacteriophage active in respect to Proteus pyogenes. A. V. Gerastimov, V. D. Mol'nikov, Zhur. mikrobiol., epid. i immun. 44 no. 4 85-88 Ap '67
- PROTO-SLAVIC LANGUAGE**
Some problems of Slavic ethno- and glottogenesis. F. P. Fittin, Vop. iaz. no. 3 18-27 My-Je '67
- PROTON BEAMS**
Acceleration of an intensive proton beam by a transformer-type unit. E. A. Abramyan, V. V. Vachaslavov, Atom. energ. 22 no. 5 400 My '67
Studying the effect of proton bombardment on the optical constants of thin metallic layers. V. V. Chechenenko and others, Opt. i spekt. 22 no. 4 626-630 Ap '67
Using the method of charge exchange injection in experiments of producing intensive proton beams. G. I. Budker, G. I. Dimov, V. G. Dunkov, Atom. energ. 22 no. 5 348-356 My '67

PROTONS

Polarographic study of the effect of pressure on the kinetics of pyridine protonation under the action of water. M. K. Polievkov, S. G. Mairanovskii, M. G. Gongberg. *Kin i kat* 8 no 2:316-321 Mr-Apr '67

PROTONS—PHYSIOLOGICAL EFFECT

Obtaining H-mutations in bacteriophage T1 with the help of slow protons. E. I. Morozov, N. A. Troitskii, D. P. L. AN BSSR 11 no 4:371-372 Ap '67

PROTONS—SCATTERING

Distortion effect in (e, e' p)-type reactions. D. V. Meboni-la. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 22 no 2:112-115 Mr-Apr '67

Elastic scattering of polarized protons by helium at low energies. B. P. Adiashevich and others. *IAd fiz.* 5 no 5:933-936 My '67

Proton polarization in the case of inelastic scattering on nickel isotopes. Muntib Adel' Khaili, E. A. Romanovskii, G. F. Timushev. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 22 no 2:98-100 Mr-Apr '67

Studying γ rays from the reaction of inelastic scattering of protons by S^{34} nuclei. E. G. Kopanets and others. *Izv. AN SSSR. Ser. fiz.* 31 no 4:626-630 Ap '67

PROTOPLASM

Statistical and experimental study on protoplasmic movement in dermatoplast. E. Pop. *Bot. zhur.* 52 no 5:617-628 My '67

PRUTSEVOV, A. A. LEKSEI VLADIMIROVICH, 1897-

Alexsei Vladimirovich Prutsevo; on his 70th birthday. *Meteor. i gidrol.* no 4:117 Ap '67

PRUDHON, PIERRE JOSEPH, 1809-1865

A forgotten episode of ideological struggle in the sixties. Chernyshevskii and Prudhon. K. Polonskaia, *Izv. AN SSSR. Ser. fil. i iz.* 26 no 1:28-30 Ja-F '67

PRUT VALLEY—FOREST SOILS

Brown forest soils of the Prut-Chernomosh piedmont in eastern Moldavia. E. M. Nikiforova. *Vest. Mosk. un. Ser. 5: Geog.* 22 no 2:120-124 Mr-Apr '67

PSEUDOMONAS—CULTURES AND CULTURE MEDIA

Effect of nutrient medium on tolerance of barotolerant bacteria to high pressures. A. E. Kriss, I. N. Mikhalevich. *Mikrobiologiya* 38 no 2:247-252 Mr-Apr '67

Utilization of some amino acids by *Pseudomonas pyocyanea* II in relation to their molecular weight and electrical charge. T. N. Elizarova. *Mikrobiologiya* 36 no 2:243-245 Mr-Apr '67

PSEUDOTUBERCULOSIS—MICROBIOLOGY

Ecology of plague and pseudotuberculous microbes. Report No. 3: Fate of plague and pseudotuberculous bacilli in mixed cultures. V. A. Bibikova and others. *Zhur. mikrobiol., epid. i immun.* 44 no 5:138-139 My '67

PSKOV—STUDENT ACTIVITIES

School Komsomol organizations and their role in the development of the social activities of senior students. A. G. Ivanova. *Uch. zap. Ped. inst. Goits.* no 297:211-227 '65

PSKOV PROVINCE—CARP BREEDING

Selective breeding of northern hybrid carp in Pskov Province. B. E. Petrov, Z. T. Romanova. *Izv. GosNIORKH* 61:166-177 '68

Testing commercial qualities of hybrid carp in Pskov Province. Z. T. Romanova, B. E. Petrov, N. A. Zabegalina. *Izv. GosNIORKH* 61:178-180 '68

PSKOV PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Classes on farm mechanization in rural areas. V. V. Iarmolinskii. *Vech. sred. shkola* 10 no 3:26 My-Je '67

PSKOV PROVINCE—MEDICINE, RURAL

Experience in the supply of drugs for the rural population of Pskov Province. S. G. Makeenko. *Farmatsiia* 18 no 2:61-63 Mr-Apr '67

PSKOV PROVINCE—MILK—TRANSPORTATION

The milk truck and its advantages. P. Ulianov. *Zakup. sel'khoz. prod.* no 2:40-41 F '67

PSKOV PROVINCE—PHARMACY

Experience in the supply of drugs for the rural population of Pskov Province. S. G. Makeenko. *Farmatsiia* 18 no 2:61-63 Mr-Apr '67

PSORIASIS

Study of skin reactivity in patients with different forms of psoriasis. Kh. G. Kosumbeili. *Azerb. med. zhur.* 44 no 1:87-90 Ja '67

PSYCHIATRIC HOSPITALS—DISINFECTION

Experience in the elimination of a streptococcal infection in a psychiatric hospital. E. A. Shablovskaya, M. F. Smaga. *Med. paraz. i paraz. bol.* 36 no 2:172-174 Mr-Apr '67

PSYCHOLOGICAL RESEARCH

Struggle for the problem of consciousness during the formation of Soviet psychology. A. N. Leoniev. *Vop. psikh.* 13 no 2:14-22 Mr-Apr '67

PSYCHOLOGY

At the beginning of the way, the first years of Soviet psychology. V. Petrovskii. *Vop. psikh.* 13 no 2:3-13 Mr-Apr '67

Book on one of the vital problems of the psychology of thinking. S. G. Gellerstein, M. I. Bobneva. *Vop. psikh.* 13 no 2:169-173 Mr-Apr '67

Psychology of science. M. G. Iaroslavskii. *Vop. filoz.* 21 no 5:79-80 '67

PSYCHOLOGY—BIBLIOGRAPHY see Bibliography—Psychology

PSYCHOLOGY—CONGRESSES

(see also subdivision under Siberia)

Psychological theories discussed at the 18th International Congress of Psychologists. A. R. Lur'ia. *Vest. Mosk. un. Ser. 8: Filoz.* 22 no 1:32-40 Ja-F '67

PSYCHOLOGY, APPLIED

"Problem box" for studying the processes of search of the causes of malfunctions. R. T. Sverzhkova, I. P. Rybakov. *Vop. psikh.* 13 no 2:162-165 Mr-Apr '67

PSYCHOLOGY, INDUSTRIAL

Horizons of an ancient aphorism. V. Shcherbakov. *V. mire knig* no 3:19-20 '67

PSYCHOLOGY, MILITARY

Psychological basis of developing military skill of servicemen. V. Lutskov, A. Kodintsev. *Komm. Vooruzh. Sil* 48 no 12:58-64 Je '67

[Psychology of a military collective] *Psikhologiya voinskogo kolektiva*. [By] A. V. Barabanshchikov i dr. Moskva, Voenizdat, 1967. 251 p.

PSYCHOLOGY, MILITARY—BIBLIOGRAPHY see Bibliography—Psychology, Military

PSYCHOLOGY OF LEARNING see Learning, Psychology of

PSYCHOPHARMACOLOGY

Some problems of psychopharmacology and neurosurgery. L. P. Lobova and others. *Vop. neirokhir.* 31 no 2:47-51 Mr-Apr '67

PSYCHOSES

Pathogenesis of lysergic psychosis. R. A. Ivanova and others. *Pat. fiziol. i eksp. terap.* 11 no 1:73-75 Ja-F '67

PUBLIC DEFENDERS

Reflections on defense in a court of law. Iurii Idashkin. *Otkrytiia* 44 no 5:172-177 My '67

PUBLIC HEALTH

(see also subdivision under Gorno Altai Autonomous Province; Kirovabad)

Problems of health protection in some works of V. I. Lenin. A. I. Neshchenko. *Sov. med.* 30 no 5:155-157 My '67

PUBLIC HEALTH, RURAL

Experience in the work of a schoolteacher of biology in control of helminthiasis in rural areas. I. S. Abramov. *Med. paraz. i paraz. bol.* 36 no 2:189-191 Mr-Apr '67

Organization of the supply of the rural population with medicinal substances in the pioneer period (1917-1940). V. Z. Lavrent'eva. *Farmatsiia* 18 no 2:9-14 Mr-Apr '67

PUBLIC HEALTH LAWS

We should systematize the normative acts which regulate the protection of health. A. Rott. *Rad. pravo* 30 no 5:83-84 My '67

PUBLIC OFFICERS

Let us defend trade-union rights with joint actions. Dagobert Klause. *Vsem. prof. dvizh.* no 2:32-33 Mr '67

PUBLIC PROSECUTORS

(see also subdivision under Kursk Province; Poland; Tajikistan; Ukraine)

Development of the public prosecutors' general supervision of the observance of laws in the Soviet state. S. Berezovskaya. *Sots. zakon* no 5:12-18 My '67

How public prosecutors supervise the legality of court sentences, decisions, and rulings. I. U. Korenevskii, O. Temushkin. *Sots. zakon* no 5:40-44 My '67

How public prosecutors supervise the observance of laws. *Rad. pravo* 30 no 5:100 My '67

How public prosecutors supervise the observance of laws. *Sots. zakon* no 5:83-86 My '67

General supervision of the observance of laws and its role in crime prevention. P. Petrenko and others. *Rad. pravo* 30 no 5:37-44 My '67

In the Collegium of Public Prosecutors of the R. S. F. S. R. *Sots. zakon* no 5:74-78 My '67

In the Office of the Public Prosecutor of the U. S. S. R. and the Supreme Court of the U. S. S. R. *Sots. zakon* no 5:20 My '67

The rating and training of our cadres. A. Tarasov. *Sots. zakon* no 5:53 My '67

The struggle against crime and the stricter supervision of pretrial questioning and criminal investigation by public prosecutors. *Sots. zakon* no 5:3-11 My '67

PUBLIC SPEAKING

A word spoken is past recalling. A. Panfilov. *Sov. radio i tel.* 16 no 2:37 F '67

PUBLISHERS AND PUBLISHING

(see also subdivision under Moscow)

Men of the book world. I. D. Sytin. *V. mire knig* no 3:44-45 '67

PULLEYS

Efficient weight of moving parts of the tackle system of modern drilling rigs. V. A. Avakov, V. L. Arkhangel'skii. *Mash. i nest. obr.* no 4:3-7 '67

Pulley has been put on independent supports. V. T. Bur-lakin. *Prom. Bel.* 10 no 6:58 Je '67

Telpher can be improved. A. Sakhin. *Izob. i rats.* no 11:31 N '66

PULLEYS—MAINTENANCE AND REPAIR

Repairing pulleys. A. Dulich. *Tekhn. v sel'khoz.* no 4:79 '67

PULMONARY ARTERY—DISEASES

Artificial respiration for 27 days in pulmonary insufficiency following thoracoplasty. B. S. Kibrik, V. M. Romashevskii. *Klin. khir.* no 3:74-78 Mr '67

PULMONARY CIRCULATION

Content of sugar and lactic and pyruvic acids in the inflowing and outflowing blood of the lung in some forms of experimental pathology. R. M. Izabolinskaya, K. N. Grigor'eva. *Blud. i sp. biol. i med.* 83 no 6:24-28 Je '67

Morphological criteria of different forms of hypertension of the pulmonary circulation and their pathogenesis. L. K. Esipova. *Kardiologiya* 7 no 3:49-56 Mr '67

Significance of compound (clinical and instrumental) examination in the diagnosis of hypertension of the pulmonary circulation. P. N. Iurenov, O. V. Aleksandrov, E. F. Zakharov. *Kardiologiya* 7 no 3:57-61 Mr '67

Some mechanisms of the development of pulmonary hypertension in heart defects. A. A. Vishnevskii and others. *Kardiologiya* 7 no 3:41-48 Mr '67

PULMONARY EDEMA

Experience in the use of ganglionic blocking agents (pentamin) in the treatment of pulmonary edema. E. V. Zemtsovskii, I. L. Segal. *Sov. med.* 30 no 5:70-79 My '67

Mechanism of the origin of pulmonary edema under action of the preoptic portion of the brain. I. A. Lazaris and others. *Pat. fiziol. i eksp. terap.* 11 no 1:28-32 Ja-F '67

Pulmonary edema in cats under the effect of action on the preoptic portion of the hypothalamus. I. A. Lazaris, I. A. Serebrovskaya, L. Z. Tel'. *Vop. neirokhir.* 31 no 2:17-20 Mr-Apr '67

PULSE CIRCUITS

Algebraic method for determining functions of excitation of trigger circuits. N. P. Vasil'eva, I. Gashkovets, Z. Pili's. *Avtom. i telemekh.* no 5:86-98 My '67

Analysis of the operation of an RC storage device. G. V. Obrazkov. *Radioelektr. i elektron.* 12 no 6:1040-1047 Je '67

Calculation of pulse resolving power of television apparatus. L. I. Khromov, V. I. Resin. *Tekhn. kino i telev.* 11 no 4:34-35 Ap '67

PULSE HEIGHT ANALYZERS

[Methods for designing circuits of the input units of high-accuracy pulse height analyzers] *Metody postroyeniya skhem vkhodnykh ustroystv amplifitsirovannykh analizatorov povysheniya tochnosti*. [By] E. G. Imaev i dr. [Dubna, 1967] 78 p.

PULSE TECHNIQUES (ELECTRONICS)

Calculation method of the signal intensity along the short-wave route. U. K. Kalinin, I. S. Vashkavatskaya. *Geomag. i ser.* 7 no 1:116-122 '67

Phonon induction and echo. V. R. Nagibarov, U. Kh. Kopilev. *Zhur. eksp. i teor. fiz.* 52 no 4:938-942 '67

Prospects for approximating a pulse frequency characteristic by a finite number of terms of a series. E. A. Kuz'min. *Pril. i sist. avtom.* no 4:21-27 '65

PULSE TECHNIQUES (ELECTRONICS)—LABORATORY MANUALS

Antonov, O. G., E. A. Besschetnov, and I. S. Mishko. [Pulse devices; a laboratory manual] *Impul'snye ustroystva; posobie po laboratornym rabotam*, Leningrad, 1966. 81 p.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY

(see also subdivision under Mankent, Kazakhstan)

Airlift for hydrogeological withdrawal. A. I. Pomin. *Razved. i okh. nedr.* 33 no 5:64-66 My '67

Design of axial preset wheels for feed pumps. S. A. Gorgidzhanyan, V. A. Zhimnitskii. *Energomashinostroyeniye* 13 no 4:8-8 Ap '67

QUANTUM ELECTRODYNAMICS (Continued)

- Refinement of Born's approximation for two-electron systems. L. N. Labrovskii. Vest LGU 22 no. 1:21-27 Apr '67.
- Scattering of electromagnetic waves by a system of dipole particles. V. L. Imbushits. Zhur. eksp. i teoret. fiz. 52 no. 4:926-935 '67.

QUANTUM ELECTRONICS

- Dependence of the threshold of generation on the vibrational structure of electron levels. A. N. Rubinov, B. I. Stepanov. Opt. i spekt. 22 no. 4:605-610 Apr '67.
- Investigating generation in a ruby and neodymium glass in case of acoustic pumping. K. I. Kiylov and others. Izv. vuzov. ucheb. zap. prib. 10 no. 10:11 '67.
- Measuring the probabilities of spontaneous $3s_2 \rightarrow 2p$ transitions in neon. T. V. Bychkova and others. Opt. i spekt. 22 no. 4:678-680 Apr '67.

QUANTUM FIELD THEORY

- Barkashov, B. M. [S-matrix in the two-dimensional model of the Born-Infeld field] S-matitsa v dvukhmernoi modeli polia Eorna-Infel'da. [Dubna, 1967] 22 p.
- Basic properties of Poincaré group extensions. III. A. Karpov. Vest. LGU 22 no. 1:13-20 Apr '67.
- Construction of the field theory in Friedman's space. D. F. Kuznetsov. Vest. Mosk. un. Ser. 3: Fiz., astron. 22 no. 2:100-103 May '67.
- Efimov, Z. F. [Elements of the Lagrangian formalism of electromagnetic interactions] K osnovam lagranzheva formalizma elektromagnitnykh vzaimodelstvii. Frunze, Mekhtp, 1966 104 p.
- Fixed source model and multiple processes. V. B. Gostev. Vest. Mosk. un. Ser. 3: Fiz., astron. 22 no. 2:37-42 May '67.
- Relations between the amplitudes of photon production and pion-nucleon scattering. V. S. Gurevich. Soob. AN Gruz. SSR 46 no. 1:61-65 Apr '67.
- Resonance effects in the field of an intense laser beam. V. P. Oleinik. Zhur. eksp. i teoret. fiz. 52 no. 1:1019-1067 '67.

QUANTUM THEORY

- β -decay of ^{225}Ac , ^{122}I , and ^{212}Pb . B. S. Dzhelepor and others. Izv. AN SSSR Ser. fiz. 31 no. 4:560-580 Apr '67.
- Analysis of the decay for hidden β -transitions. I. V. Kopylov. Izd. fiz. 5 no. 5:976-982 May '67.
- Angular correlation of gamma quanta produced by the stopping of negative pions in hydrogen. Uglavna korrelyatsiya γ -kvantov, obrazovushchikhsia pri oslanovke π^- -mezony v vodorode. [By] I. M. Vasilievskii i dr. [Dubna, 1967] 66 p.
- Athracene and 9-bromoanthracene as fluorescence quenchers of dimethylanthracene excimers. N. F. Nozdrakova, L. E. Obyedkovskaya, A. S. Cherkasov. Opt. i spekt. 22 no. 5:752-757 May '67.
- Collective Coulomb excitation of nuclei in regular crystals. I. M. Kagan, G. N. Chukhovich. Pis'ma v zhur. eksp. i teoret. fiz. 5 no. 5:166-170 May '67.
- Collective excitations of weakly deformed nuclei. N. S. Babitskiy, A. A. Sitagin. Izd. fiz. 5 no. 5:996-1000 May '67.
- Concentration of excited atoms in the low-pressure mercury discharge. I. M. Kagan, B. Kasmaliev. Opt. i spekt. 22 no. 4:532-538 Apr '67.
- Correlation among observers, equipment, and the objects of experiments in microphysics. G. N. Baskin. Vest. LGU 22 no. 5:122-124 May '67.
- Determining economic efficiency of the improvement of machinery quality. T. E. Eger. Stand. i kach. 31 no. 4:62-63 Apr '67.
- Determining the parameters of quenching processes and cross sections of step-by-step excitation for neon atoms. Part 1: Configuration $2p^6ns$. E. G. Gnevysheva and others. Opt. i spekt. 22 no. 4:539-542 Apr '67.
- F2 transitions and the effective quadrupole charge in cadmium-magnesium nuclei. S. P. Kamaliev. Izd. fiz. 5 no. 5:971-975 May '67.
- Effect of deformation on the angular distribution of annihilation quanta in nickel and copper alloys. A. A. Adamenko, I. A. Dekhtyar, V. S. Mikhailov. Doid. AN SSSR 173 no. 2:1291-1291 Apr '67.
- Effect of the electron donor substitute and the nature of a solvent on the relative location of π , π^* , and $\pi\pi^*$ -levels in a xanthone molecule. B. N. Nurmukhametov, L. A. Mieshina, D. N. Sitagin. Opt. i spekt. 22 no. 5:740-745 May '67.
- Efimenko, T. G., V. P. Zhigunov, and B. N. Zakhar'ev. [Reactions involving particle redistribution] Reaktsii s pereraspredeleniem chastits. [Dubna] Pt. 2. [Multichannel coupling method] Metod mnogokanal'noi svyazi. [1967] 16 p.
- Energy structure of cadmium selenide and the quantum yield of the photoionization in the fundamental absorption region. V. K. Adamchuk. Opt. i spekt. 22 no. 4:595-599 Apr '67.
- Excitation cross sections of the lower levels of lithium. I. S. Aleksandrin, I. P. Zapesochnyi. Opt. i spekt. 22 no. 5:843-844 May '67.

- Excitation of atoms by heavy particles. A. V. Vinogradov. Opt. i spekt. 22 no. 4:663-664 Apr '67.
- Galilean invariance of the complemented Landau-Zener formula. I. U. P. Mozdilov. Opt. i spekt. 22 no. 4:529-531 Apr '67.
- Green's functions for Coulomb systems with collisions. V. N. Mikhukov. Vest. Mosk. un. Ser. 3: Fiz., astron. 22 no. 3:44-54 May '67.
- Inelastic transitions between the fine structure components of alkali halide metal atoms during adiabatic collisions. E. E. Nikitin. Opt. i spekt. 22 no. 5:689-695 May '67.
- Kinetics of two-quantum photochemical reactions. Carbazole-ethyl alcohol system. Z. A. Stetsyna, Kh. S. Bagdasaryan. Kin. i kat. 8 no. 2:283-287 May '67.
- Lifetime and some effective cross sections of a cadmium atom. N. P. Pankin, T. P. Radko. Opt. i spekt. 22 no. 5:699-708 May '67.

Imbushits, V. L. [Resonance interaction of two identical dipole emitters] O rezonansnom vzaimodelstvii dvukh identichnykh dipol'nykh izluchatelei. [Dubna, 1967] 22 p.

- Method of phase functions in quantum mechanics. V. V. Babitskiy. Usp. fiz. nauk 92 no. 1:3-26 May '67.
- Modification of the absorption method of reabsorption within the line contours. L. A. Lukova, A. D. Khakhaev. Opt. i spekt. 22 no. 4:640-645 Apr '67.
- Multiple scattering of short waves by the system of interacting particles. Part 1: Average field. A. G. Borovoi. Izv. vuzov. ucheb. zap. prib. 10 no. 1:97-101 '67.
- Parameters of the levels in Pu^{239} . I. U. P. Mozdilov and others. Izd. fiz. 5 no. 5:925-928 May '67.
- Properties of nuclei of the transition region, odd nuclei in the O region. F. I. Belovich. Izd. fiz. 5 no. 5:988-996 May '67.
- Quantum characteristics of the 3.01 and 2.65 Mev levels of the C^{13} nucleus. I. G. Kopanets and others. Izv. AN SSSR Ser. fiz. 31 no. 4:531-536 Apr '67.
- Radiation decay. I. A. Vozel and others. Izv. AN SSSR Ser. fiz. 31 no. 4:696-699 Apr '67.
- Relative position of $\pi\pi^*$ and $\pi\pi^+$ states of molecules and their optical properties. Part 2: Spin-orbital interaction of π^* and $\pi\pi^+$ states. V. G. Potnikov. Opt. i spekt. 22 no. 5:735-738 May '67.
- Shel's, V. P. [Lectures on the relativistic kinematics of one-particle states] Lektsii po relativistskoi kinematike odnochastitsnykh sostoiati. [Dubna, 1967] 30 p.
- Spatial distribution of scattered γ -radiation in a cavity in the case of collimated primary radiation source. N. F. Andriushin, B. P. Bulatov. Atom. energ. 22 no. 5:415-416 May '67.
- Spectral study of Eu^{15} . R. B. Bagzhanov and others. Izv. AN Uz. SSR, Ser. fiz., mat. nauk 11 no. 3:57-62 '67.
- Spin-quadrupole forces and collective states in deformed nuclei. Part 1: O^+ -states. K. M. Zhelezovaya, N. I. Potov, M. I. Chernik. Izv. AN SSSR Ser. fiz. 31 no. 4:550-567 Apr '67.
- Studying electromagnetic transitions in some odd nuclei. S. V. Sirodubtsov and others. Izv. AN Uz. SSR, Ser. fiz., mat. nauk 11 no. 3:45-52 '67.
- System of collective levels of $\text{IFK}=\text{O}^+$ type in the Eu^{161} nucleus. I. A. Vozel and others. Izv. AN SSSR Ser. fiz. 31 no. 1:601-625 Apr '67.
- Theory of the Compton effect on a magnetic moment. A. B. Kukanov, A. A. Amer. Vest. Mosk. un. Ser. 3: Fiz., astron. 22 no. 2:125-127 May '67.
- Theory of the nonlinear properties of ionic crystals. G. M. Genin, V. M. Fain, E. G. Iashchenko. Zhur. eksp. i teoret. fiz. 52 no. 1:887-888 '67.
- Theory of two-photon retardation efficiency as apparent in optical phonons in semiconductors. E. Dzhinkimov, R. Mamuklov. Izv. AN Uz. SSR, Ser. fiz., mat. nauk 11 no. 3:63-66 '67.

Three-quasi-particle levels in Er^{163} . V. Gnatovich and others. Izv. AN SSSR Ser. fiz. 31 no. 1:507-509 Apr '67.

Transitions between the excited states of hydrogen atom in Born's approximation. L. I. Podlubnyi. Opt. i spekt. 22 no. 4:660-662 Apr '67.

Uniqueness of Rydberg-Klein-Ross curves. A. S. Vasilovskii, N. I. Zhurinov, I. G. Katsnelson. Opt. i spekt. 22 no. 5:816-818 May '67.

Use of Gibbs' method in calculating the fluctuations of quantum systems. Nguyen Tang. Vest. Mosk. un. Ser. 3: Fiz., astron. 22 no. 3:79-80 May '67.

Values of the reduced magnetic dipole transition probabilities in Ho^{165} . I. A. Berson and others. Izv. AN SSSR Ser. fiz. 31 no. 4:656-659 Apr '67.

QUARANTINE

- Isolation periods of whooping cough patients from children's institutions. E. A. Okunshovich and others. Zhur. mikrobiol., opt. i immun. 44 no. 1:108-113 Apr '67.

QUARRIES AND QUARRYING see subdivision under Perm Province

QUARRIES AND QUARRYING—FINANCE see subdivision under Kazakhstan

QUARRIES AND QUARRYING—MANAGEMENT

- Placement of semistationary crushers in rock product quarries. G. R. Butkevich. Nauch. trudy Mosk. inst. radioelek. i geol. el. i obrab. 51 no. 1:4-19 '65.

QUARRIES AND QUARRYING—SAFETY MEASURES

- Using free air currents for artificial ventilation of quarries. P. I. Mistei. Zap. LGU 30 no. 1:13-17 '65.

QUARTZ

- (See also subdivision under Baltic region)
- Determination of the formation temperatures of hydrothermal quartzites by isotopic oxygen ratios. F. I. Dontsova, G. B. Naumov. Geokhimiya no. 5:553-558 May '67.
- Regenerated quartz as indicator of oil and gas potential of sandy beds. A. V. Smirnov. Trudy VNIIG no. 1:151-163 '65.

QUARTZITE

- (See also subdivision under Kazakhstan)
- Reduction of various quartzites for the production of 75% ferroalloy. M. S. Khushchikov, M. A. Rysa. Teoriya i prakt. met. no. 7:177-188 '64.

QUESTIONNAIRES

- Organization and technique of conducting a questionnaire survey. V. Rakitskiy, A. Maslennikov. Sov. poteb. komp. 11 no. 1:59-61 Apr '67.

QUEUEING THEORY

- Application of the queueing theory. Rech. Iransp. 26 no. 3:49 '67.
- Ordinary streams of calls in queueing with priority. E. Barkovets. Sbor. rab. VTS MGU no. 6:279-281 '67.
- Inverse order queueing with priority. G. Klimov, L. Khramov. Sbor. rab. VTS MGU no. 6:272-281 '67.
- Multichannel queueing with priority. Recurrent stream of calls and exponential queueing time. A. Deeva, G. Klimov. Sbor. rab. VTS MGU no. 6:282-285 '67.
- Optimal absolute dynamic priorities in queueing systems. E. B. Veklerov. Izv. AN SSSR Tekh. fiz. no. 2:87-90 May '67.
- Optimal distribution of priorities in a single-channel queueing system with losses. H. K. Melnik. Soob. AN Gruz. SSR 16 no. 2:123-130 May '67.
- Optimal dynamic priorities in nonlinear queueing systems. V. V. Ilykov, E. E. Lemberg. Izv. AN SSSR Tekh. fiz. no. 1:25-34 Jan '67.
- Queueing systems with priority and "knap." V. Vladimirov, V. Matveev. Sbor. rab. VTS, MGU no. 6:259-271 '67.
- Servicing of two flows with relative priority in a fully accessible system with limited number of queueing places. G. P. Basharin. Izv. AN SSSR Tekh. fiz. no. 2:72-86 May '67.

QUINALDINE

- Complex compounds of α -thioquinaldineamides with metals, synthesis and infrared spectra. M. I. Kollegova and others. Izv. vuzov. ucheb. zap. prib. 10 no. 3:267-270 '67.

QUINALDINIUM COMPOUNDS—SPECTRA

- Infrared spectra of α -aryl quinaldinium quaternary salts. G. T. Philing, A. P. Radko. Zhur. obshch. khim. 37 no. 4:765-768 Apr '67.

QUINAZOLINONE

- Analysis of orthonal. R. I. Moskalenko, G. I. Savol'teva. Geomatem. zhur. 22 no. 2:21-28 '67.

RABELAIS, FRANCOIS, 1483?-1533

- Stylistic usage of Latinisms in the book "Gargantua and Pantagruel" by Francois Rabelais. O. S. Sapozhnikova. Ch. zap. GGTIA no. 2:7129-110 '66.

RABIES—MICROBIOLOGY

- Mechanism of the action of dry antibodies gamma globulin used in treating wounds infected with the street virus of rabies. G. D. Kobinskii. Trudy Mosk. nauch. inst. inst. vak. i svy. 17:90-101 '61.

RACEMIC ACID see Tartaric acid

RADAR

- Measurement of the duration of intersymbolic interference in a two-beam channel with frequency keying. M. S. Landman, P. V. Bershtein. Radiotekhnika 22 no. 5:106-109 May '67.

RADAR—ANTENNAS

- Prospects for the development of phased antennas. S. A. Barchenkov. Mor. sbor. 50 no. 3:83-85 May '67.
- Radar stations with phased antennas. Vest. protivovzd. obor. no. 12:74-78 Dec '66.
- Volume high-frequency compensation. V. L. Grumovich, V. G. Panishkin. Vest. protivovzd. obor. no. 1:62-66 Jan '67.

RADAR—CURRENT SUPPLY

- Supplying radar stations from power distribution networks with commercial frequency current. I. T. Pavlovskiy, I. A. Zolotarevskiy. Vest. protivovzd. obor. no. 4:58-59 Apr '67.

RADIO-DICTIONARIES

Gorokhov, P. K., ed. [Russian-French dictionary on radio electronics. Approximately 23,000 terms] Rusko-frantsuzskii slovar' po radioelektronike. Obozre 23 000 terminov. Moskva, Sov. Entsiklopediia, 1967. 432 p.

RADIO-EQUIPMENT AND SUPPLIES

Conversion of OVS-3-2/3a multiplexing equipment. A. M. Severin. Vest. svyazi. 27 no. 5:8-9 My '67.

Eliminating average overheating in a ventilated radio apparatus. N. N. Tainovskii. Izv. vys. ucheb. zav. prib. 10 no. 4:116-119 '67.

First class transceiver. G. Dzhenkovskii, I. A. Lapovol. Radio no. 5:18-21 My '67.

In foreign countries. Radio no. 5:59-60 My '67.

Operating automatic frequency control units. E. D. Naumchik. Vest. protivovozd. obor. no. 4:69-72 Ap '67.

Our consultations. Radio no. 5:61-62 My '67.

Portable radio system. A. Smetnikov. Radio no. 5:35-39 My '67.

RADIO-HANDBOOKS, MANUALS, ETC.

Simonova, R. P. [Manual on a course in "Theoretical principles of radio engineering" for students of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radioelektroniki" dlia studentov radioelekhnicheskogo fakul'teta. Moskva.

Pt. 1. [Section "Long lines"] Razdel "Dlinnye linii." 1965. 68 p. diagr. (insert)

RADIO-INTERFERENCE

Calculation of the conductivity of permafrost soils. N. N. Maksimenco, O. I. Uvarov, V. P. Chumakov. Elektrsviaz' 21 no. 5:75-77 My '67.

Correlational analysis of electrical interferences in distribution networks in open-pit mining. V. N. Glushka, G. V. Mlaskovskii. Prib. i sist. avtom. no. 2:53-60 '66.

RADIO-LABORATORY MANUALS

Seraphin, G. K. [Laboratory manual on a course in "Radio systems"] Uchebnoe posobie k laboratornym rabotam po kursu "Radioelekhnicheskie sistemy." Leningrad.

No. 3. [Study of the characteristics of the high-frequency channel of R-600 radio relay apparatus with frequency multiplexing] Issledovanie kharakteristik vysokochastotnogo trakta apparatury radioelekhnicheskoi svyazi s chastotnym uplotneniem kanalov; apparatura R-600. Pod red. E. V. Ryzhkova. 1964. 52 p.

RADIO-MATERIALS

Decorative materials and coatings. R. Karnozeeva. Tekhn. est. 4 no. 5:29 My '67.

RADIO-NOISE

Criterion on input noise level for radio receivers. I. M. Ainsbinder. Radiotekhnika 22 no. 5:14-53 My '67.

RADIO-RECEIVERS AND RECEPTION

Fleisher, S. M. [New developments in tube-type broadcast receivers] Novoe v lampovykh radioveshchatel'nykh priemnikakh. Izd. 2., perer. Moskva, Energiia, 1967. 118 p. (Massovaia radiobiblioteka, no. 610)

RADIO-STUDY AND TEACHING

Practical training program in radioelectronics; 9th grades. Shkola i proizv. 11 no. 4:14-16 Ap '67.

RADIO-TECHNOLOGICAL INNOVATIONS

Contribution of radio amateurs to the 50th Anniversary of the Great Revolution. V. Borisov. Radio no. 5:9 My '67.

This is love for creative work. Radio no. 5:11-12 My '67.

RADIO-TRANSMITTERS AND TRANSMISSION

Check of the effect of the contact system of a transmitter on the distortion distribution law. N. V. Zakharchenko, I. A. Leschuk. Elektrsviaz' 21 no. 4:75-77 Ap '67.

Klakov, A. Z. [Klystron transmitters] Kilostromnye peredatchiki. Moskva, Svyaz', 1967. 60 p. (Novoe v tekhnike svyazi)

Okun', E. L. [Radio transmitting systems] Radiopere-datshchii ustroistva. Izd. 3., perer. i dop. Leningrad, Sudostroenie, 1967. 449 p.

RADIO, MILITARY

Automatic short range radio communication station. I. A. Pirmagomedov. Vest. protivovozd. obor. no. 4:44-47 Ap '67.

A pledge of success. N. A. Ivanov. Vest. protivovozd. obor. no. 4:38-41 Ap '67.

Single-band radio communication. V. I. Agodin. Tekh. i vooruzh. 25 no. 11:16-23 N '66.

RADIO, MILITARY-STUDY AND TEACHING see subdivision under Vilnius

RADIO, MILITARY-TESTING

Testing graduations of R-405 radio relay stations. A. Kuznetsov. Tekh. i vooruzh. 23 no. 11:46-48 N '66.

RADIO, SHORTWAVE

Some trends in the development of shortwave radio communication systems. V. M. Rozov. Elektrsviaz' 21 no. 4:18-25 Ap '67.

RADIO ANNOUNCING

Reflections, some arguments, and even dreams. I. U. Semenov. Sov. radio i tel. 16 no. 2:2-1 F '67.

The silver bus. I. U. Allanskii. Sov. radio i tel. 16 no. 2:10-13 F '67.

RADIO ASTRONOMY

Factor of reflection from the plane-schistose medium of limit for different angles of incidence of electromagnetic waves. I. U. G. Matveev. Astron. zhur. 44 no. 2:410-425 '67.

Measurement of lunar radio emission in the 30-60 cm range. V. S. Troitskii, V. D. Krotikov, N. M. Tseitlin. Astron. zhur. 44 no. 2:413-415 '67.

Observations of polarization of the lunar radio emission at a wavelength of 0.8 cm with a high resolving power. B. I. A. Losovskii. Astron. zhur. 44 no. 2:416-418 '67.

Observations of the occultation of the Tau A radio source by the moon on April 16 and August 4, 1964 at 210 Mc. G. A. Kafarov. Sob. Shem. astrofiz. obser. no. 6:20-24 '67.

Problem of the "mysterium." I. S. Shklovskii. Zem. i vesl. 2 no. 6:9-15 N-D '67.

Radio emission of some QSG at a wavelength of 8 cm. V. N. Kurikshchik, I. U. F. Kokin. Astron. zhur. 44 no. 2:471-472 '67.

Spectra and frequency dependences of angular dimensions for some models of discrete sources of cosmic radio emission. S. I. A. Braude. Astron. zhur. 44 no. 2:309-310 '67.

RADIO-FREQUENCY COSMIC RADIATIONS see Cosmic radiation, Radio-frequency

RADIO IN AERONAUTICS

For clear-cut radio traffic during flight. S. A. Medvedev. Vest. protivovozd. obor. no. 5:40-42 My '67.

RADIO IN EDUCATION

Thoughts at the school threshold. L. Pressman. Sov. radio i tel. 16 no. 5:20-22 My '67.

RADIO IN NAVIGATION

Radio communication of ships in river basins. G. S. Greshfeld. Trudy TSNIIEVT no. 46:47-101 '66.

Standardize wages for radio personnel on ships. V. M. Lozhnikov. Ryb. khoz. 43 no. 5:66-67 '67.

RADIO IN PROPAGANDA

Leadership through the local press and radiobroadcasts. A. Kirilushin. Part. zhizn' no. 11:44-50 Ja '67.

Radio chronicle of 1910. Sov. radio i tel. 16 no. 3:31 Nr '67.

Starting a big discussion. N. Eremeev. Sov. radio i tel. 16 no. 2:5-6 F '67.

RADIO IN PUBLICITY

The principle of publicity. L. Khataevich. Sov. rad. i tel. 16 no. 1:20-21 Ja '67.

RADIO IN SURVEYING

Effect of random atmospheric heterogeneities on accuracy of radio geodetic measurements. O. A. Mozzhukhin. Inzh. geod. no. 1:42-45 '65.

Program for angle measurement in traversing using geodimeter and radio range measurements. A. L. Ostrovskii. Inzh. geod. no. 1:24-29 '65.

RADIO INDUSTRY

Role of the radio equipment industry in the Great Patriotic War. R. Litkierova. Radio no. 5:3-4 My '67.

RADIO LINES

Analysis of a superhigh-frequency circuit with cutoff line sections. I. A. Zakharilo. Teor. elektrotekh. no. 2:148-152 '66.

Antiphonic transformer for attenuating low-frequency interference in the transmission of video signals through coaxial cables. I. U. N. I. Ablyn. Elektrsviaz' 21 no. 4:62-68 Ap '67.

Conversion of OVS-3-2/3a multiplexing equipment. A. M. Severin. Vest. svyazi. 27 no. 5:8-9 My '67.

Quasioptical submillimeter band transmission line. A. M. Andrusenko and others. Radiotekh. i elektron. 12 no. 6:1101-1105 Ja '67.

Simonova, R. P. [Manual on a course in "Theoretical principles of radio engineering" for students of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radioelektroniki" dlia studentov radioelekhnicheskogo fakul'teta. Moskva.

Pt. 1. [Section "Long lines"] Razdel "Dlinnye linii." 1965. 68 p. diagr. (insert)

Strip channel line. V. M. Sedykh, N. I. Lesik, B. V. Kondrat'ev. Teor. elektrotekh. no. 2:153-159 '66.

Study of the electromagnetic field of a multiwire line with twisted conductors. K. K. Abramov. Prib. i sist. avtom. no. 2:39-43 '66.

RADIO MODULATORS

Designing of key-type demodulators. V. I. Gostev. Izv. vys. ucheb. zav. elektromekh. no. 4:457-473 Ap '67.

Static characteristics of a transistorized magnetic pulse width modulator. I. U. M. Ageev. Avtom. i telemekh. no. 5:9-108 My '67.

RADIO OPERATORS

CQ-U. A. Matsas. Radio no. 5:14 My '67.

4L7A on the air! A. Matsas. Radio no. 5:15-16 My '67.

Something amazing right next to you. A. Bychkov. Radio no. 5:17 My '67.

RADIO PLAYS

Forgotten truths. T. Rybasova. Sov. radio i tel. 16 no. 2:25-27 F '67.

The secret of longevity. T. Voibovaeva. Sov. radio i tel. 16 no. 3:18 Mr '67.

Ten questions to Igor' Il'inski. Sov. radio i tel. 16 no. 2:11-15 F '67.

RADIO PLAYS-PRODUCTION AND DIRECTION

A leader... Yes or no? K. Vasil'eva. Sov. rad. i tel. 16 no. 1:32-34 Ja '67.

A romanticist? Al. Alekhov. Sov. radio i tel. 16 no. 4:8-13 Ap '67.

RADIO PROGRAMS

(see also subdivision under Poland; United States)

The art of wisdom. D. Korshikov. Sov. radio i tel. 16 no. 5:23-24 My '67.

Reflections, some arguments, and even dreams. I. U. Semenov. Sov. radio i tel. 16 no. 2:2-4 F '67.

Theater without makeup and decorations; an interview with Edward Placzek, Chief Producer of the Polish Radio. Sov. radio i tel. 16 no. 5:40-42 My '67.

This is something to think about. M. Kiperman. Sov. radio i tel. 16 no. 3:26-27 Mr '67.

The unusual in the usual. I. U. Kurbatov. Sov. radio i tel. 16 no. 5:30-32 My '67.

RADIO RELAY SYSTEMS

Experience in the operation of frequency control service. P. M. Shkaldyk. Vest. protivovozd. obor. no. 5:70-73 My '67.

RADIO RELAY SYSTEMS-HANDBOOKS, MANUALS, ETC.

Seraphin, G. K. [Laboratory manual on a course in "Radio systems"] Uchebnoe posobie k laboratornym rabotam po kursu "Radioelekhnicheskie sistemy." Leningrad.

No. 3. [Study of the characteristics of the high-frequency channel of R-600 radio relay apparatus with frequency multiplexing] Issledovanie kharakteristik vysokochastotnogo trakta apparatury radioelekhnicheskoi svyazi s chastotnym uplotneniem kanalov; apparatura R-600. Pod red. E. V. Ryzhkova. 1964. 52 p.

RADIO RESONATORS

Waves of electron stream in a resonator with transverse sinusoidal electric field. V. G. Isanin, A. S. Roshal'. Vest. Mosk. un. Ser. 3: Fiz. i astron. 22 no. 2:50-55 Mr-Ap '67.

RADIO STATIONS-DESIGN AND CONTROL

Russia (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroitel'dat.

Pt. 2, Sec. E, Ch. 2. [Broadcasting and receiving radio stations; design standards] Peredatshchii i priemnye radiostantsii; normy proektirovaniia. SNIP II-E-2-62. 1964. 31 p.

RADIO TRANSFORMERS

Designing of key-type demodulators. V. I. Gostev. Izv. vys. ucheb. zav. elektromekh. no. 4:457-473 Ap '67.

Low-frequency output transformers. Radio no. 5:47 My '67.

RADIO WAVE PROPAGATION

Effect of the earth's magnetic field on the propagation of very long radio waves around the earth. R. B. Batbulatov, P. E. Krasnushkin. Dokl. AN SSSR 174 no. 1:84-87 My '67.

Refraction coefficient of the lower atmosphere for radio waves in the millimeter and submillimeter bands. S. A. Zhvakina, A. P. Naumov. Radiotekh. i elektron. 12 no. 6:955-964 Ja '67.

Special features of the propagation of radio waves in regions with permafrost rocks. V. E. Kashprovskii, B. I. Korennov. Elektrsviaz' 21 no. 5:32-36 My '67.

RADIOACTIVATION ANALYSIS

Geophysical instruments for fast analysis of minerals K. I. Bolotov and others. *Geofiz. zap.* no. 2 p. 78-86 '66.

Use of the radiochemical variant of activation analysis in determining rate of leaching of elements in minerals. A. Bibiev and others. *Dokl. AN Uzb. SSR* 10 no. 2 p. 11-17 '67.

RADIOACTIVE PROSPECTING

(see also subdivision under Volgograd Province)

Development of nuclear magnetic logging G. I. Orlov, A. M. Melnik-Shil'manov, V. I. Danilov. *Izv. vuzovch. zav. nef. i gaz* 10 no. 1 p. 93-97 '67.

Solving the direct problems of logging of dry holes III B. Davydov. *Izv. vuzovch. zav. nef. i gaz* 10 no. 3 p. 3-11 '67.

RADIOACTIVE SUBSTANCES

Polymerization of vinyl phenyl ether in the presence of radioactive boron fluoride etherate V. A. Kruglov, V. G. Lipovich, N. A. Tikhavina. *Vysokom. soed. Ser. A* 9 no. 1 p. 932-936 Ap '67.

Regionalization of Upper Cretaceous underground waters on the basis of their radioactivity for petroleum areas. S. E. Ergashev. *Dokl. AN Uzb. SSR* 21 no. 7 p. 51-53 '66.

RADIOACTIVE SUBSTANCES—INDUSTRIAL APPLICATIONS

Use of nuclear radiation and radioisotopes. A. F. Rad'ko. *Gidrol. mel.* 15 no. 3 p. 120-121 My '67.

RADIOACTIVE TRACERS

Determination of the zero charge potential of rhodium in acid solutions by the radiochemical tracer technique N. V. Balashov, A. M. Koshchik, N. T. Gorkhova. *Elektrokhim. i* 3 no. 5 p. 656-659 My '67.

Experimental choice of parameters for the study of the motion of fibers in the driving field by means of radioactive isotopes V. A. Protasova, A. F. Koptinov. *Izv. vuzovch. zav. nef. i gaz* 10 no. 1 p. 40-44 '67.

RADIOACTIVE WASTE DISPOSAL

Applying electroanalysis with non-exchange membranes for deionization and decontamination of low-activity waste liquid I. V. Ivanov, S. S. Budnik, E. I. Guttin. *Atom. energ.* 22 no. 5 p. 391-398 My '67.

Effect of surface-active substances on the huminization process of radioactive waste. M. V. Kulbaskina, N. I. Ponom. *Atom. energ.* 22 no. 5 p. 397-398 My '67.

RADIOACTIVITY

Influence of induced radioactivity on the dissolution and hydrogen absorption of iridium in mineral acid solutions. V. I. Spitsyn, N. A. Laptev, N. A. Balzerin. *Dokl. AN Uzb. SSR* 174 no. 1 p. 113-116 My '67.

RADIOACTIVITY—MEASUREMENT

Measuring β -neutron yield with the aid of the auxiliary source of annihilation radiation. V. A. Bukharov, V. A. Konevskiy, A. S. Shit'ko. *Atom. energ.* 22 no. 5 p. 409 My '67.

RADIOACTIVITY—SAFETY MEASURES

Control of radioactive contamination. B. Shestakov, V. Muraviev. *Ty. i snab. Sov. Vost. Sib.* 27 no. 5 p. 29-32 My '67.

RADIOBROADCASTING

(see also subdivision under Budapest; Soviet Union; Tatar A.S.S.R.)

Right to conventionality. M. Polonskiy. *Sov. radio i tel.* 16 no. 3 p. 10-13 My '67.

RADIOCHEMISTRY

Murin, A. N. [Radiochemistry, its development and prospects] *Radiochimia, ee razvitiye i perspektivy*, Leningrad, 1967, 34 p. (Series "Nauka XX veka")

RADIOCHEMISTRY—INDUSTRIAL APPLICATIONS

Use of radiation chemistry in industry R. A. Shakhmurov. *Prom. Arm.* 10 no. 1 p. 65-67 '67.

RADIOECOLOGY

(see also subdivision under Black Sea)

RADIOGENETICS

Genetic effects of X rays as related to temperature balance. M. M. Tikhomirova, A. A. Dzhuze, O. I. A. Belitskaya. *Genetika* no. 5 p. 82-104 My '67.

RADIOISOTOPE SCANNING

Value of the method of radioisotope scanning in some diseases of the thyroid gland. E. D. Duboviy, N. D. Kadyr-zade, F. N. Kizilova. *Klin. Med.* no. 3 p. 15-18 My '67.

RADIOISOTOPES

(see also subdivision under Arctic Ocean)

Effect of the specific radioactivity of ^{51}Cr isotope on electrophoretic separation of antimony V. S. Vrabotian, V. I. Spitsyn, L. A. Uvarov. *Dokl. AN Uzb. SSR* 173 no. 6 p. 1367-1369 Ap '67.

Study of the stabilizability of the gas permeability of a layer of clinker on a coil-type refrigerator with the aid of radioisotopes. B. E. Kiylov and others. *Izv. AN Uzb. SSR, Ser. fiz.-mat. nauk* 11 no. 3 p. 71-72 '67.

RADIOISOTOPES—CONGRESSES

Seminar on the use of nuclear radiation and radioisotopes. L. I. Buzan, B. A. Minkov. *Gidrol. mel.* 15 no. 1 p. 113-116 Ap '67.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Calculating the sensitive element of radioisotope concentration measuring devices V. N. Kaseyev, V. F. Klementov. *Izv. AN Uzb. SSR, Ser. tekhn. nauk* 11 no. 3 p. 13 '67.

Using RPP-1m radiometric relays for controlling jig bed density in conditions of difficult-to-prepare coals. G. A. Prokhorov, L. I. Stollarov. *Nauch. trudy Tsentral'nogo nauch. issled. inst. Khim. i Mekh. Uzb. SSR* no. 2 p. 78-80 '67.

Using radioisotope sources in measuring the thickness of protective coatings. I. V. Betin, M. I. Pozina, L. S. Melnik. *Defektoskopiya* no. 2 p. 78-80 '67.

Using thyratron relays with cold cathodes in radioisotope instruments. G. A. Prokhorov, S. G. Bakhrikh. *Nauch. trudy Tsentral'nogo nauch. issled. inst. Khim. i Mekh. Uzb. SSR* no. 2 p. 78-80 '67.

RADIOMETER

New radiometer turned out by the OMNIA Company. *Geofiz. zap.* no. 2 p. 5-8 '66.

Selection of an interval of measurements and smoothing observation curves in aerogammametric studies E. A. Ostrovskiy. *Razved. i eksp. nauch.* 33 no. 5 p. 45-47 '67.

Sensitive amplitude discriminators for radiometric instruments N. B. Onuchin, A. F. Trop. *Izv. vuzovch. zav. nef. i gaz* 10 no. 1 p. 17-19 '67.

Stabilizing the performance of gamma-ray scintillation radiometers. F. F. Koshchenko and others. *Geofiz. zap.* no. 2 p. 84-90 '65.

RADIOMETER—RELIABILITY

High reliability radiometers. *Izv. AN Uzb. SSR, Ser. tekhn. nauk* 10 no. 5 p. 88-90 '66.

RADIOMETRY—EQUIPMENT AND SUPPLIES

Selection and study of the parameters of the main elements of detection systems in X-ray radiometric instruments. F. I. Dubrovskiy. *Geofiz. zap.* no. 23 p. 43-50 '65.

Unit for operating control and tuning of radiometric instruments V. A. Artyukhin, L. P. Popov. *Geofiz. zap.* no. 24 p. 10-13 '66.

RADIOLOGIC DIAGNOSIS

(see also Diagnosis, Radioscopic)

RADIOSONDES

Atmospheric radiosounding of atmosphere over Atlantic Ocean. V. F. Belov and others. *Meteor. i gidrol.* no. 1 p. 97-101 Ap '67.

Automatic compensation of the inertia of temperature transmitters IU G. Onopov. *Meteor. i gidrol.* no. 6 p. 61-69 Je '67.

Choice of the efficient regime for ground testing radioisotopic balloons. S. V. Mitroshin, V. P. Gorbunov. *Meteor. i gidrol.* no. 6 p. 55-52 Je '67.

RADIOTELEPHONE IN NAVIGATION

The new "Bura-5" ultrashortwave ship radiotelephone station I. A. Shchukin. *Rech. transp.* 26 no. 3 p. 45-47 '67.

RAILROAD ENGINEERING

[Railroads] *Zheleznodorozhnyi transport*. Moskva, 1964, 110 p. (Seriya "Nauka XX veka")

RAILROADS

Growth of railroads. *Elek. i tepl. tuga* 11 no. 5 p. 7 '67.

RAILROADS—ABSTRACTS

[Railroad transportation] *Ref. zhur. "Zhelezn. transp."* nos. 5-6 My-Je '67.

RAILROADS—BRAKES

Should the air diverting pipe in the engineer's valve be removed? *Elek. i tepl. tuga* 11 no. 4 p. 37 Ap '67.

Two methods for detecting the overlapping of engineer's brake valves in a train V. P. Krivoruchenko, A. V. Levsha. *Elek. i tepl. tuga* 11 no. 1 p. 27-28 Ap '67.

RAILROADS—CARS

(see also subdivision under Ural Mountain region)

Methods for designing rolling stock car frames with thin-walled curved corner beams. A. S. Lisovskiy, V. A. Oshchey, IU A. Usmanov. *Nauch. trudy OMUT* no. 56 p. 55-59 '65.

RAILROADS—CARS—MAINTENANCE AND REPAIR

School of progressive practices at the Otdel'noye Pod'ezdnoye Plant of Railroad Car Repairs. A. P. Tulin, Svar, prof. no. 3, 47 Mr '67.

RAILROADS—CARS—VIBRATION

Study of passage of vibrations in a passenger car. M. P. Pashomov, G. I. Davydov. *Nauch. trudy OMUT* no. 56 p. 17-22 '65.

RAILROADS—COMPETITIONS

Competition in honor of the glorious anniversary P. P. Shkut. *Elek. i tepl. tuga* 11 no. 5 p. 14 My '67.

RAILROADS—CONTINUOUS RAILS

Kreinin, Z. L. [Continuous rails] *Bessykovoy put'*. Moskva, Znanie, 1967, 47 p. (Novoe v zheni, nauka, tekhnika, XXI Seriya Transport, 2)

RAILROADS—DESIGN AND CONSTRUCTION

Bliznikov, V. D., and others. [Railroad construction] *Postroika zheleznichnykh dorog*. Pod red. V. D. Bliznikova. Moskva, Transport, 1967, 311 p. (Seriya "Nauka XX veka", (insert))

RAILROADS—ELECTRIFICATION

(see also subdivision under Apsheron Peninsula)

Electrification of transportation in the U.S.S.R. *Elek. i tepl. tuga* 38 no. 3 p. 13 My '67.

Lenin's plans on electrification are being realized. Sh. S. Logunov, P. M. Shukin, *Elek. i tepl. tuga* 11 no. 4 p. 5-12 Ap '67.

RAILROADS—ELECTRONIC EQUIPMENT

ASS automatic coupling signaling device. G. V. Famin'skiy, N. N. Menshutkin, L. M. Filatova. *Elek. i tepl. tuga* 11 no. 4 p. 31-36 Ap '67.

Check of the installation of the wiring of ZNR-3 transceiver. I. A. K. K. min. *Elek. i tepl. tuga* 11 no. 5 p. 13-14 My '67.

RAILROADS—EMPLOYEES

(see also subdivision under Soviet Central Asia)

They have a right to be called "best in their profession" *Elek. i tepl. tuga* 11 no. 5 p. 8 My '67.

The unending glory of military and work feats. *Elek. i tepl. tuga* 11 no. 5 p. 13 My '67.

RAILROADS—EMPLOYEES—REWARDS, (PRIZES, ETC.)

What is new in the system of issuing bonuses to the workers of locomotive repair shops. IU. M. Baryov, D. A. Tulin. *Elek. i tepl. tuga* 11 no. 5 p. 1-6 My '67.

RAILROADS—EQUIPMENT AND SUPPLIES

Use of rubber in the rolling stock of railroads abroad. V. I. Maevskiy, I. A. Zagorod'skiy, I. E. Vinit'skiy. *Kauchuk i rez.* 26 no. 5 p. 32-36 '67.

RAILROADS—FINANCE

(see also subdivision under Gorky Province)

Efficiency of payment operations. A. Piletskiy. *Den i ned.* 25 no. 5 p. 16-21 My '67.

RAILROADS—FREIGHT

Osipov, V. T. [Freight routing and improvement of its efficiency] *Marshrutizatsiya perevozok i povysheniye ee effektivnosti*. Izd. 2., pereizd. Moskva, Nauka, 1967, 205 p.

Transporting household goods by rail. G. Morokov. *Ty. i snab. Sov. Vost. Sib.* 27 no. 11 p. 67 N '66.

RAILROADS—MANAGEMENT

Conclusions drawn from experience. A. I. Kochkin. *Elek. i tepl. tuga* 11 no. 1 p. 1-4 Ap '67.

High efficiency of the new system of management P. D. Shestakov. *Elek. i tepl. tuga* 11 no. 5 p. 3-5 My '67.

Network planning and administration in the economy. A. I. Kolin, IU. V. Boris, E. K. Evstifeev. *Elek. i tepl. tuga* 11 no. 4 p. 17-22 '67.

Trubnikin, M. G., and F. M. Fleishman. [Problems of economic reform on railroads and their enterprises] *Problemy khoz. i uprav. reform na zheleznichnykh dorogakh i ikh predpriyatiakh*. Moskva, Transport, 1967, 39 p.

RAILROADS—RAILS—TESTING

Investigating combined hardening of rail samples. A. A. Sazonova, L. F. Molokov. *Mot. i gor. nauch. prom.* no. 2: 42-46 Mi-Ap '67.

RAILROADS—ROLLING STOCK

ASS automatic coupling signaling device. G. V. Famin'skiy, N. N. Menshutkin, L. M. Filatova. *Elek. i tepl. tuga* 11 no. 1 p. 34-36 Ap '67.

Action of locomotive (car) wheel on the track with non-coincidence of the geometric axis with the center of gravity. M. P. Pashomov, V. K. Kuchotenko. *Nauch. trudy OMUT* no. 56 p. 33-42 '65.

Plane-bend and stretch-compression of a curved thin-walled beam. A. S. Lisovskiy. *Nauch. trudy OMUT* no. 56 p. 50-54 '65.

Replies to the inquiries of our readers. *Elek. i tepl. tuga* 11 no. 4 p. 32 Ap '67.

RAILROADS—ROLLING STOCK—MAINTENANCE AND REPAIR

In order to preserve rolling stock better. I. Pavlovskiy. *Ty. i snab. Sov. Vost. Sib.* 27 no. 11 p. 76-77 N '66.

RAILROADS—SAND PROTECTION AND REMOVAL

Experience in designing railroad beds in regions of semiconsolidated sands. N. M. Gredskiy, [Shor.], *Kom. po zem. pol.* no. 6 p. 11-13 '66.

Protecting railroad beds from sand drifts by the use of plants. A. I. Provolovich. [Shor.] *Kom. po zem. pol.* no. 6 p. 78-83 '66.

Protection of roadbeds in regions of quicksands. S. I. Kal'nitskiy. [Shor.] *Kom. po zem. pol.* no. 6 p. 5-11 '66.

RAILROADS—SIGNALING

Fishes to the inquiries of our readers. Elek. i tepl. tsiha II no. 1,32 Ap '67.

RAILROADS—STATIONS see subdivision under Chelabinsk

RAILROADS—TRACK

Structure of locomotive (car) wheel on the track with non-constant geometry of the contact with the center of contact. M. P. Pukhov, V. K. Kuchenko, Nauch. tr. S. OMIIT no. 56 11-12 '65.

Structure of the head of an electric locomotive (diesel locomotive) on rails in breakpoints of the vertical cross-section of the track. M. P. Pukhov, Nauch. tr. S. OMIIT no. 56 5-16 '65.

Effective means for increasing the traction factor. E. A. Kravtsovskii and others. Elek. i tepl. tsiha II no. 5 43-45 Mr '67.

RAILROADS—TRACK—DESIGN AND CONSTRUCTION

Experience in designing rail road beds in regions of unconsolidated sands. N. M. Gnedovskii, [Sbornik] Kom. gos. zhen. pol. no. 6 11-14 '66.

RAILROADS—TRAFFIC—MATHEMATICAL MODELS

Mathematical modeling of local work at railroad stations. F. Khudoberganov. Dokl. AN Uz. SSR 23 no. 8 15-17 '66.

RAILROADS—YARDS

Solov'ev, I. B. [Theoretical bases for joint operation of receiving and departure yards and adjacent sections, a textbook] Teoreticheskie osnovy vzaimodel'stviya v raketno-primeno-otpravochnykh put'kov stantsii i prilozheniye uchastkov; uchebnoe posobie. Moskva, 1967. 59 p.

RAILROADS, NARROW-GAUGE

Narrow-gauge electric locomotive for mountainous districts. V. N. Stasnuh. Elek. i tepl. tsiha II no. 5 17-48 My '67.

RADI AND RAINFALL

Estimating rated quantities of maximum shower discharge. F. F. Kaban. Avt. dok. 30 no. 111-113 Mr '67.

RAMAN EFFECT

Secondary emission of light by molecules in the classical theory. Part I. N. S. Andreev, P. P. Shoygin. Opt. i spekt. 22 no. 5 714-719 My '67.

Spectra of Raman scattering in NaClO₃ single crystals in a wide temperature range. V. S. Gorodnik. Pis'ma v zhur. eksp. i teoret. fiz. 5 no. 7 211-216 Ap '67.

Studying the induced Raman scattering of light in parallel beams. N. V. Zubova, V. A. Zubov. Opt. i spekt. 22 no. 5 833-840 My '67.

Temperature dependence of the intensity of Raman scattering spectra of crystals. Spectra of the second order. F. V. Chislov. Opt. i spekt. 22 no. 1 572-575 Ap '67.

Peculiar symmetry of oscillatory Raman scattering. F. A. Savin. Opt. i spekt. 22 no. 1 668-669 Ap '67.

RANDOM PROCESSES see Stochastic processes

RANDOM WALKS (MATHEMATICS)

A limit theorem on Bernoulli-type unbounded random walk. I. L. Dzhov. Dop. AN URSR, Ser. A 29 no. 5 404-406 My '67.

RANGE FINDERS see subdivision under Russia, Northern

RAPACK PLAN

Atomic weapon-free zones, a demand of our time. M. Petrov. Mezhdunar. zhizn' 14 no. 1 17-24 '67.

RARE AND MINOR METALS see Metals, Rare and minor

RARE EARTH BORIDES

Conditions for the production of rare earth and alkaline earth borohydrides of higher purity. G. A. Meerzon, E. G. Mamedov. Izv. AN SSSR Neorg. mat. 3 no. 5 802-807 My '67.

RARE EARTH COMPOUNDS

Spectrophotometric study of the reaction of rare earth elements of the yttrium subgroup with silibic acid. M. K. Akhmedov, P. B. G. Anovskii. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 10 no. 3 271-276 '67.

RARE EARTH COMPOUNDS—SPECTRA

Studying the mechanism underlying the intermolecular energy transfer in rare earth chelates. V. L. Ermolaev and others. Opt. i spekt. 22 no. 5 854-856 My '67.

RARE EARTH CRYSTALS

Relation between the crystalline structure of rare earth and yttrium hydroxides and infrared absorption spectra. P. V. Klevtsov, R. F. Klevtsova, L. P. Sheina. Zhur. strukt. khim. 8 no. 2 268-272 Mr-Ap '67.

RARE EARTH METALS

(see also subdivision under Altai Mountains; Chupa region; Karelia; Orenburg Province)

Features of rare earth metal separation by carboxylic acids in the presence of complex-forming agent. I. N. Plakun, V. S. Strizhko, I. U. S. Fedotov. Dokl. AN SSSR 174 no. 1 162-165 My '67.

Influence of cerium, neodymium, praseodymium, lanthanum and aluminum on the structure of cast iron. D. N. Khudoberganov, R. M. Matyashenko, V. M. Kozlov. Metalloved. i term. obrab. met. no. 4 65-67 Ap '67.

Influence of rare earth elements on properties of austenitic chromium-nickel steel. V. K. Tarasov and others. Metalloved. i term. obrab. met. no. 1 50-53 Ap '67.

Microdistribution of rare earth elements in cast iron. A. P. Lushchenko, M. V. Morharov. Izv. vuz. no. 5 15-17 My '67.

Properties and structure of carbon steel with ferrocenium additions. P. A. Parfomenko and others. Met. i gor. no. 2 11-14 Mr-Ap '67.

Some regularities in the extraction of rare earth elements and yttrium by trialkylphosphorides. I. N. Popkov and others. Dokl. AN SSSR 173 no. 6 1331-1332 Ap '67.

RARE EARTH METALS—ANALYSIS

Using the method of differential spectrophotometry in the analysis of double-component systems. V. I. Gerasimovskii, V. I. Blazhkovskii, N. A. Alkhina. Izv. vuz. ucheb. zap. i khim. i khim. tekhn. 10 no. 2 115-150 '67.

RARE EARTH SULFATES—SPECTRA

Vibrational spectra of lanthanum, cerium, praseodymium, and neodymium sulfate pentahydrates. K. I. Petrov, V. I. Ivanov, V. G. Poryvkin. Zhur. strukt. khim. 8 no. 2 356-358 Mr-Ap '67.

RARE EARTHS

Glasses of the system Na₂O - H₂O₂ activated by samarium, cerium, and dysprosium oxides. I. V. Denisov, B. V. Dzhuravskii, V. A. Kizel'. Izv. AN SSSR Neorg. mat. 3 no. 5 614-654 My '67.

Petrological and mineralogical characteristics of carbonate-silicophosphate type of rare earth metasonites. V. S. Demchenko. Sbornik DVI'AN SSSR no. 21 15-19 '65.

Use of rare earth oxides in catalytic synthesis. L. E. Sosnina, I. P. Danilova, M. B. Turova-Polub. Vest. Most. un. Ser. 2 Khim. 22 no. 2 94-97 Mr-Ap '67.

Use of the radiochemical method of activation analysis in determining rare earth elements in minerals. A. Babayev and others. Dokl. AN Tadzh. SSR 10 no. 2. 11-17 '67.

RARE GASES see Gases, Rare

RAREFIED GAS DYNAMICS

Boltzmann's equation and moment equations in curvilinear coordinates. E. M. Shakhov. Izv. AN SSSR Mekh. i zhid. i gaz. no. 2 155-160 Mr-Ap '67.

Experimental investigation of a hypersonic rarefied-gas flow about a sphere. T. S. Voronin. Izv. AN SSSR Mekh. i zhid. i gaz. no. 2 148-151 Mr-Ap '67.

Experimental study of rarefied gas flow around a sphere. I. F. Zavarzin, I. V. Shekov. PMTF no. 2 93-96 Mr-Ap '67.

RATE OF CHEMICAL REACTION see Chemical reaction, Rate of

RATING OF EMPLOYEES see Employees, Rating of

RAYON

Koshov, I. A. [Chemistry and technology of the production of acetate fibers] Khimika i tekhnologiya proizvodstva atsetatnogo volokna. Moskva, Khimika, 1967. 205 p.

Ushakov, K. N. [Twisting and warping of acetate yarn] Krucheniye i snovaniye atsetatnykh nitel. Moskva, Legkaya industriya, 1967. 115 p.

REALISM

Illuminating lessons of the enlighteners. S. V. Turaev. Nauch. dokl. vuz. shkol; filol. nauki 10 no. 3 107-108 '67.

Problem of enlightened realism. I. E. Veitsman. Nauch. dokl. vuz. shkol; filol. nauki 10 no. 3 107-110 '67.

REALISM IN LITERATURE

Gura, V. V., ed. [Problems of realism] Problemy realizma. [Vologda] Severo-Zapadnoye knizhnoye izd-vo, 1966. 438 p.

REARRANGEMENTS (CHEMISTRY)

Rearrangement of radicals in the process of telomerization of ethylene by acetone. M. I. A. Khoshina, R. Kh. Treidina. Izv. AN SSSR Ser. khim. no. 1 933-935 Ap '67.

Synthesis of substituted benzylphosphonic acids. Report No. 2 Reaction of Mannich phenol bases with triethyl phosphite. B. E. Ivanov, L. A. Valitova. Izv. AN SSSR Ser. khim. no. 5 1087-1090 My '67.

Unsaturation in hydrocarbons. Part 7: Arbuzov rearrangement of tin-containing α -haloacetylenes. V. S. Zavgorodni, B. L. Ionin, A. A. Petrov. Zhur. ob. khim. 37 no. 4 949-953 Ap '67.

Wolff's rearrangement. L. L. Rodina, I. K. Korobitsyna. Usp. khim. 36 no. 4 611-635 Ap '67.

RECEPTORS (NEUROLOGY)

Comparative study of the level and interceptive effect on gamma aminobutyric acid content in cerebral hemispheres. U. I. Malashuk. Vest. AN URSR Ser. biol. nauch. no. 2 76-79 '67.

Reflex effects on pulmonary vessels from the receptors of the greater and lesser circulation. D. P. Dvoretzki. Fiziol. zhur. 53 no. 5 543-549 My '67.

Respiratory rhythm of impulses of cutaneous and venous receptors of the chest. M. I. Koshonin. Biol. eksp. i teoret. med. 63 no. 6 14-17 Mr '67.

Role of afferentation from taste receptors in the regulation of their functional activity. A. E. Esakov. Fiziol. zhur. 53 no. 5 575-581 My '67.

RECLAMATION OF LAND

(see also subdivision under Netherlands; Siberia, Western)

Agriculture in swamps. S. Solov'ev, V. Markilantov. Zemel'del. 29 no. 5 58-60 My '67.

From the resolutions of the conference. [Sbornik] Kom. gos. zhen. pol. no. 6 121-282 '66.

Supplementary requirements for 1:10000 topographic maps made on requests of the Ministry of Land Reclamation and Water Management of the U.S.S.R. Geod. i kart. no. 4 22-25 Ap '67.

RECONSTRUCTION see subdivision under Tashkent

RECREATION AREAS—CONGRESSES

All-Union Conference of Problems of Mass Recreation in Rural Areas. G. S. Pimenko. Vop. kur. i teoret. i prakt. fiz. kul't. 32 no. 2 182-185 Mr-Ap '67.

RECREATION CENTERS

The young people's centers and problems of developing them. Z. Shkabel'nikova. Sov. potreb. knop. 11 no. 1 9-13 Ap '67.

RECTUM—DISEASES

Character of contractions and the rate of the advancement of chyme in the small intestine following consumption of different types of food under normal conditions and in pathological states of the cecum and rectum. V. A. Hubkin. Fiziol. zhur. [Ukr.] 13 no. 3 338-313 My-Ju '67.

RED CLOVER see subdivision under Chernigov Province

RED CLOVER—FERTILIZERS AND MANURES see subdivision under Udmurt A.S.S.R.

RED CROSS

Following V. I. Iosad's directions. B. M. Potolov. Voen.-med. zhur. no. 1 82-83 My '67.

RED SEA—BACTERIA, HETEROTROPHIC

Quantitative distribution of heterotrophic bacteria in the Red Sea and Gulf of Aden during fall season. I. A. Amshchenkova. Gidrobiol. zhur. 3 no. 3 11-20 '67.

RED SEA—OCEANOGRAPHIC RESEARCH

Some results of the expedition on the research vessel "Akademik S. Vavilov" in the Red and Mediterranean Seas. V. I. Volov. Okeanologiya 7 no. 2 351-355 Mr-Ap '67.

RED SOILS see subdivision under Georgia

RED SPIDER—EXTERMINATION

Resistance of the spider mite Tetranychus telarius L. to acaricides. I. V. Zolotarevskii, I. U. N. Fedeev, L. M. Zhuravleva. Khim. v sel' khoz. 5 no. 6 17-22 Je '67.

REDUCTION, ELECTROLYTIC

Effect of an indifferent electrolyte on the reduction rate of anions. E. V. Iakovleva, N. V. Nikolaeva-Fedorovskaya. Elektrokhimika 3 no. 5 543-548 My '67.

Effect of the conditions of cathodic reduction of ferric oxide on the granulometric composition of iron powder. V. P. Gerasimov, E. F. Zavgorodni, A. A. Beakova. Zhur. prikl. khim. 40 no. 3 561-561 Mr '67.

Mechanism of electroreduction of nitriles of benzole, ethanamide, and vinylacrylic acids. I. G. Sevast'yanova. A. P. Tomilov. Elektrokhimika 3 no. 5 563-570 My '67.

REED (BOTANY) see subdivision under Alma-Ata Province

REFLECTING TELESCOPE see Telescope, Reflecting

REFLECTION (DIALECTICAL MATERIALISM)

Function and reflection. N. V. Kivenko. Filos. probl. such. pyrod. no. 6 98-103 '66.

Interaction and interdependence of structure and reflection. H. H. Vdorychenko. Filos. probl. such. pyrod. no. 6 145-155 '66.

REFLECTION (OPTICS)

Effect of the absorption of backing on the reflection coefficient of a single-layer coating in the case of light falling at an angle greater than the critical angle. I. M. Minkov. Opt. i spekt. 22 no. 5 810-812 My '67.

REFLECTION (OPTICS) (Continued)

Natural reflection spectra of BiI_3 and SbI_3 single crystals at the 1-5 eV energy range. V. I. Vashchenko, V. B. Timofeev, I. M. Anilov. Opt. i spektr. 22 no. 5:813-815 My '67.

REFLEXES

Development stages of reflex activity in children. V. I. Misiuro. Nov. issl. v ped. nauk. no. 4 233-238 '65.

Effect of caffeine on conditioned and unconditioned reflexes in dogs of various types of higher nervous activity. H. K. Tropnikova. Vestn AN BSSR Ser. biol. nauch. no. 2 80-83 '67.

Focal potential of the anterior spinal crescent as a complementary index of motoneuron reflex activity. I. D. Ignatov. Fiziol. zhur. 53 no. 5 525-534 My '67.

Mechanism of disorders of the function of different segments of the spinal reflex arch in experimental gas gangrene. V. V. Mikhailov, K. A. Kuz'mina. Pat. fiziol. i eksp. terap. 11 no. 138-43 Ja-F '67.

Reflex effects from the upper digestive tract on blood circulation and respiration. T. M. Kozenko. Fiziol. zhur. 53 no. 5 571-574 My '67.

Reflex effects on pulmonary vessels from the receptors of the greater and lesser circulation. D. P. Dvoritskii. Fiziol. zhur. 53 no. 5 543-549 My '67.

Significance of central monoaminergic mechanisms in the action of pharmacological substances on the reflex reaction of the heart. N. V. Kaveina, R. S. Mirzolan, I. U. Rozonov. Bul. eksp. biol. i med. 63 no. 6 59-64 Je '67.

REFRACTION

Systematics of atomic refractions. S. S. Batsanov. Zhur. strukt. khim. 8 no. 2 376-385 Mr-Apr '67.

REFRACTION, DOUBLE

Study of latex and adhesive films by the method of double refraction. A. D. Chugai and others. Khim. prom. Ukr. no. 3 6-8 My-Je '67.

REFRACTION, TERRESTRIAL

(see also subdivision under Arctic regions)

Relationship between the coefficient of vertical refraction and absolute altitude of the earth's surface, based on observations carried out in Eastern Siberia. I. I. Sadovskii. Geod. i kart. no. 11 7-10 N '65.

REFRACTIVE INDEX

Change of the refractive index and the absorption of some liquids in a strong light field. A. P. Veduta. Pis'ma v Zhur. eksp. i teoret. fiz. 5 no. 5 154-157 Mi '67.

REFRACTORIES INDUSTRY

In honor of the 50th anniversary of the Great October. Ogneupory 32 no. 5:1-2 '67.

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Nikitovka, Ukraine; Ural Mountains)

Effect of conditions of their use on durability of mold plates. V. S. Popov and others. Ogneupory 32 no. 4: 16-18 '67.

Kesendzovskii, V. R. [Automatic control of kilns in the refractories industry] Avtomatizatsia pecheti ogneupor-noi promyshlennosti. Moskva, Metallurgiya, 1967. 177 p.

REFRACTORIES INDUSTRY—MANAGEMENT

Developing plans for scientific work organization in enterprises of the refractories industry. N. G. Veselov and others. Ogneupory 32 no. 5:61-64 '67.

REFRACTORY MATERIALS

(see also subdivision under Podolsk, Moscow Province; Saika, Chelyabinsk Province)

Composite proportioning nozzles for the continuous casting of electrical steel. V. S. Rutes and others. Ogneupory 32 no. 4:4-6 '67.

Composition of refractory minerals of the Tumanyan deposit. V. V. Goncharov, E. V. Petrova. Trudy Inst. ogneup. no. 32-53 '62.

Highly heat-resistant stopper plugs. M. I. Kolesnik and others. Ogneupory 32 no. 4:6-8 '67.

Improving rotary bucket excavators in the U. S. S. R. and abroad. B. V. Mezhevyykh. Trudy Inst. ogneup. no. 32: 116-139 '62.

Increasing the service life of linings in rotary tubular kilns. N. S. Uglikova, V. A. Peisepitsyn. TSvet. met. 40 no. 5 35-39 My '67.

Industrializing the repair of metallurgical and other furnaces. N. G. Veselov, R. V. Tikhonov, V. F. Morozov. Ogneupory 32 no. 4:56-58 '67.

Mineralogical transformations in refractories during the smelting of copper dross with sodium sulfide. V. N. Galuzo and others. Trudy Inst. met. i obog. AN Kazakh SSR 21 80-89 '67.

Production and use of low-fired stopper tubes. I. Sh. Shvartsman and others. Ogneupory 32 no. 5:8-10 '67.

Selecting the size of longitudinal spacing between settings in tunnel kilns. V. G. Abakumov. Ogneupory 32 no. 4: 13-16 '67.

Silicon carbide refractories with a composite bond of Si_2O_3 , SiC , Si_3N_4 . N. I. Veronin, N. I. Krasotkina, M. S. Fraifet'd. Ogneupory 32 no. 5:50-56 '67.

Ways of avoiding expansion and disintegration during the firing of products on basis of grog from rotary kilns. D. P. Zagzhda, A. I. Frolova, I. E. Dudavskii. Ogneupory 32 no. 4:36-41 '67.

Work of the All-Union refractories section of the Scientific Technological Society for Ferrous Metallurgy in 1966. Ogneupory 32 no. 4:60-61 '67.

REFRACTORY MATERIALS—ADDITIVES

Additives for increasing the strength of castings from aqueous alumina suspensions. I. S. Kainarskii, A. G. Karaulov, G. E. Gnatiuk. Ogneupory 32 no. 5 36-42 '67.

REFRACTORY MATERIALS—CONGRESSES

Conference on increasing the stability of open-hearth furnace arches. Ogneupory 32 no. 4 61-62 '67.

REFRACTORY MATERIALS—CRUSHING AND GRINDING

Investigating simultaneous grinding and drying of refractory clays in shaft mills. P. S. Potemkin. Trudy Inst. ogneup. no. 32 189-205 '62.

REFRACTORY MATERIALS—DRYING

Improving the drying of steelpouring equipment in tunnel driers. M. I. Kolesnik, K. K. Postolitsa. Ogneupory 32 no. 5 17-18 '67.

REFRACTORY MATERIALS—PRICES

Fourth Plenum of the Scientific Technological Society for Ferrous Metallurgy. Ogneupory 32 no. 4:1-2 '67.

REFRACTORY MATERIALS—QUALITY CONTROL

Further increase in the resistance of hearths of steel smelting furnaces. I. G. Kharchenko and others. Met. i gornorud. prom. no. 2 86-87 Mr-Apr '67.

REFRACTORY MATERIALS—TESTING

Effect of grain shape on properties of resin-dolomite products. T. A. Aleksandrova and others. Ogneupory 32 no. 4:47-51 '67.

Methods of determining resistance to glass attack of refractory materials. A. N. Alekseeva, E. S. Borisovskii. Ogneupory 32 no. 5 56-60 '67.

Testing forsterite refractories in the brickwork of open-hearth furnace walls. Sh. M. Borman and others. Met. i gornorud. prom. no. 2 61-62 Mr-Apr '67.

REFRACTORY MATERIALS—TRANSPORTATION

Efficient methods of handling refractory products. E. M. Belen'kii and others. Trudy Inst. ogneup. no. 32 140-188 '62.

REFRIGERATION AND REFRIGERATING MACHINERY

(see also subdivision under Moscow)

Adjusting the "Kuhlaumal" thermal-moisture testing chamber. A. M. Levin, G. E. Vasil'ev. Khol. tekhn. 44 no. 5 41-43 My '67.

Experimental absorption machine operating on a solution of frozen 22 and dibutylphthalate. V. M. Seliverstov, V. A. Barats, V. N. Khvastunov. Khol. tekhn. 44 no. 5:17-18 My '67.

Improvement of rotor refrigerator. S. I. A. Mekenitskii. Ryb. khoz. 43 no. 4:59-62 '67.

Intensify the introduction of progressive refrigeration technology. A. Sheffer. Mias ind. SSSR 38 no. 5 14-15 My '67.

Locate and use internal potentials of the production. M. M. Pozin. Khol. tekhn. 44 no. 5:1-3 My '67.

Methodology of comparative testing of continuous action conveyor refrigerators. A. B. Barsel. Trudy VNIRO 50:163-173 '66.

Optimal parameters of refrigerating plants operating in a gas regenerating cycle with heat radiation. M. N. Vakhromycheva, B. S. Dorogov, G. P. Kutishchev. Izv. AN SSSR, Energ. i transp. no. 1 139-146 Ja-F '67.

Session of the 7th Commission on Land Transportation of Refrigerated Goods. V. M. Shavrin. Khol. tekhn. 44 no. 5 48-53 My '67.

REFRIGERATION AND REFRIGERATING MACHINERY—LUBRICATION

Measuring the concentration of oil in circulating freons. V. S. Zuharov, V. B. Iakobson. Khol. tekhn. 44 no. 5: 30-41 My '67.

REFRIGERATION AND REFRIGERATING MACHINERY—PATENTS

New inventions. Khol. tekhn. 44 no. 5:48-48 My '67.

REFRIGERATION AND REFRIGERATING MACHINERY—STUDY AND TEACHING

(see subdivision under Krasnodar)

REFRIGERATION AND REFRIGERATING MACHINERY—TESTING

Cyclometer. B. S. Veinberg. Khol. tekhn. 44 no. 5:38 My '67.

REFRIGERATOR CARS

Servicing refrigerating installations of 5-car refrigerator sections. N. E. Lysenko, V. N. Panferov. Khol. tekhn. 44 no. 5:34-37 My '67.

REFRIGERATOR SHIPS—EQUIPMENT AND SUPPLIES

Supporting ventilation grid for refrigerator ships. B. V. Kovtonuk. Sudostroenie 57 no. 3 55-57 Mr '67.

REGENERATION (BIOLOGY)

Antibody-forming function in a regenerated spleen. G. V. Khariolova, N. A. Kraskina, V. I. Levanson. Bul. eksp. biol. i med. 63 no. 6 74-77 Je '67.

Physiological regeneration as a cytological problem. V. I. Brodskii. Nauch. dokl. vys. shkol. biol. nauk. 10 no. 4:143-155 '67.

Physiological regeneration as a developmental process. L. D. Liozner. Arkh. anat., gist. i embr. 52 no. 5 83-90 My '67.

Regeneration of intestinal epithelium in cultures in the body using F. M. Lazarenko's method. A. A. Poliakov. Arkh. anat., gist. i embr. 52 no. 5 80-82 My '67.

REGGE TRAJECTORIES

Regge trajectories in the theory of scattering. E. Sh. Tepitskii. Trudy Tbil. GU no. 103 65-74 '65.

REHABILITATION OF CRIMINALS

Effectiveness of the measures of public influence and rehabilitation. G. V. Vitenberg. Sov. iust. 31 no. 10:10 11 My '67.

More attention to the rehabilitation of convicts. P. Hrab. Rad. pravo 30 no. 5 88-87 My '67.

REINDEER

(see also subdivision under Russia, Northern)

Age-related and seasonal changes in reindeer testicle. E. K. Borozdin. Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:167-166 '66.

Device for recording the behavior of reindeer on pastures. D. V. Savel'ev. Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:181-182 '66.

Dynamics of nucleic acids in the course of the spermatogenesis of reindeer. E. K. Borozdin. Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:145-151 '66.

Studying proteins, lipids, and carbohydrates in reindeer sperm. E. K. Borozdin. Trudy Nauch.-issl. inst. Krain. Sev. 13:153-150 '66.

REINDEER—ANATOMY (see subdivision under Russia, Northern)

REINDEER—DISEASES AND PESTS

(see also subdivision under Russia, Northern; Yenisey Valley)

Effect of tissue biostimulators in the experimental necrobacillosis of reindeer. A. M. Silkov. Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:11-15 '66.

Presence of "distribution factors" in the pathogens of necrobacillosis in reindeer. A. Kh. Laishov, A. G. Masluchina. Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:37-38 '66.

REINDEER—FOOD

(see also subdivision under Minsk)

Supplementary feeding carabimols combined with macro- and microelements to reindeer. B. V. Masluchina. Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:137-144 '66.

REINDEER—PARASITES (see Parasites—Reindeer)

REINFORCED CONCRETE

Lordkipanidze, R. S. [Studying the strength of concrete and reinforced concrete] Issledovanie vynosivosti betona i zhelezobetona. Tbilisi, Metsnereba, 1966. 113 p.

REINFORCED CONCRETE CONSTRUCTION

Economical version of reinforced-concrete supporting walls. V. V. Skorokhodov, I. U. K. Komov. Avt. dor. 30 no. 5:20-21 My '67.

Experience of using modeling in studying the seismic stability of large-panel buildings. L. V. Shakhauvajan, Zh. V. Zakharian. Nauch. soob. AN SSSR no. 7:37-50 '66.

List of technological equipment manufactured by plants making reinforced concrete products for industrial building. Stroitel. dor. mash. 12 no. 2:31-32 '67.

Proposed sectional reinforced-concrete supports. G. V. Rogozhin. Nauch. trudy Permi NIUI no. 7:117-123 '64.

Span girders with stressed rod reinforcements. E. I. Shil'man. Avt. dor. 30 no. 4:12-13, 18 Mr '67.

Testing reinforced-concrete rods. V. A. Shestakov and others. Izv. vzb. ucheb. zav. i gor. zhur. 6 no. 1 45-48 '66.

Testing the reinforced-concrete tubing for mine support at the "Kapital'nika" No. 40 Coal Mine. I. U. Tybakov, V. N. Levchuk. Ugol. 12 no. 5:35-37 My '67.

Testing wire-reinforced concrete beams. R. Ayetisian. Prom. Arm. 10 no. 4:43-45 '67.

REISCHAUER, EDWIN OLDFATHER, 1810-

Is this a real discovery? A critical evaluation of E. O. Reischauer's book "A new look at modern history" L. A. Bereznyi. Vop. ist. 42 no. 5:70-81 My '67.

RELATIVITY

Analysis of the concept of relativity of knowledge. A. Z. Aiolan. Vest. obshchestv. nauk AN Arm. SSR no. 12:2-21 D '66.

RELATIVITY (PHYSICS)

- Minimum radius of degenerated electron configurations. Z. F. Sedov. *Sov. Shem astrofiz. obs.* no. 6:25-29 '67.
- Present-day neopositivism and A. Einstein's theory of relativity. O. A. Adibekian. *Vest. obshchestv. nauk AN Arm. SSR* no. 12:3-11 D '66.
- Asymmetrical statistical solution of Einstein's equations. S. G. Ponomarev. *Biul. Inst. astrofiz. AN Tadzh. SSR* no. 45:7-11 '66.

RELIABILITY (ENGINEERING)

- Automation, measurement and reliability. *Stand. i kach.* 11 no. 5:19-20 My '67.
- Calculation of the lower confidence limit for probabilities of faultless operation of complex systems. I. K. Seljaev, T. N. Dugina, E. V. Chepurin. *Izv. AN SSSR Tekh. kib.* no. 2:52-59 Mr-Apr '67.
- Conference on the increase of quality, reliability and durability of articles in Leningrad. L. N. Al'pein. *Stand. i kach.* 31 no. 4:82-84 Ap '67.
- Determination of numerical characteristics in the probability distribution of proper operation of an automatic protection system. V. V. Malev. *Izv. AN SSSR, Tekh. kib.* no. 1:48-55 Ja-F '67.
- Evaluation of reliability of alternately utilized systems. S. M. Rodin, O. N. Vlasenko. *Izv. AN SSSR, Tekh. kib.* no. 1:35-38 Ja-F '67.
- Input inspection is a most important factor in the promotion of reliability. A. Lobedev. *Stand. i kach.* 31 no. 4:59-61 Ap '67.
- Kulevskiy, R. N. [Determining optimum durability of technical systems] *Opreделение optimal'noi dolgozhechnosti tekhnicheskikh sistem.* Moskva, Sov. radio, 1967. 111 p. (Biblioteka inzhenera po nadezhnosti)
- Optimal planning of the switching-in of spare components. A. S. Mandel', A. L. Raikin. *Avtom. i telemek.* no. 5:55-61 My '67.
- Optimization of the reliability of a redundant system. L. K. Isayev, N. A. Mamed-Zade. *Izv. AN SSSR, Tekh. kib.* no. 1:42-43 Ja-F '67.
- Preventive maintenance using a predictive paramotor. L. B. Gertsbach. *Izv. AN SSSR, Tekh. kib.* no. 1:66-64 Ja-F '67.
- Problem in optimal reservation. O. G. Alekseev. *Izv. AN SSSR, Tekh. kib.* no. 1:44-47 Ja-F '67.
- Reliability and standards. V. O. Arutunov, A. B. Tatlevskii. *Stand. i kach.* 31 no. 5:20-22 My '67.
- Reliability of restorable nonreserved devices with multi-period operation. I. U. A. Slepov. *Izv. AN SSSR, Tekh. kib.* no. 1:39-41 Ja-F '67.

RELIABILITY (ENGINEERING)—INFORMATION SERVICES

- Organizational and technical problems in the collection of statistical and operational data on the reliability of articles. E. M. Mal'tsev. *Stand. i kach.* 31 no. 4:60-68 Ap '67.

RELIEF (SCULPTURE) see subdivision under Dmitrov (Moscow Province)

RELIGION

- The church is forced to change its tactics. V. Novak. *Agitator* no. 2:30-32 Ja '61.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION—CONTROVERSIAL LITERATURE

- Evaluating the process of the modernization of religion under present conditions. P. K. Kurochkin. *Vop. nauch. i tekh.* no. 2:5-38 '66.
- Libraries and atheism. E. Trubil'sina. *Agitator* no. 5:47 Mr '61.
- Platonov, K. K. [Psychology of religion; facts and thoughts] *Psikhologiya religii, fakty i mysli.* Moskva, Politizdat, 1957. 238 p.
- Trends in the modification of present religious consciousness. A. S. Onishechenko. *Vop. nauch. i tekh.* no. 2:91-108 '66.

RELIGION—RESEARCH

- Soviet studies devoted to the problem of the gnosological roots of religion. L. N. Charskikh. *Sbor. trud. Vses. zashch. polittekh. inst.* no. 30:122-137 '65.

RELIGION, PRIMITIVE

- Festive games in honor of mermaids and Simargl-Pereplut, a Slavic god. B. A. Rybakov. *Sov. arkheol.* no. 2:91-116 '67.

RELIGION AND SCIENCE

- New attempts to adapting religion to modern natural sciences. V. I. Bolarin'sev. *Vop. nauch. i tekh.* no. 2:141-164 '66.
- [Talks on religion and science; a popular textbook] *Beedy o religii i znanii; popularnyi uchebnik.* 4, perer. izd. Moskva, Politizdat, 1967. 318 p.

REMOTE CONTROL

- Device for the automatic control of the level of remote control signals. L. I. Gusiatskii, E. S. Besalov, V. S. Fedenko. *Prib. i sist. avtom.* no. 2:44-46 '66.

- Dispatcher control in thermal networks. M. A. Artibillov. *Teploenergetika* 14 no. 2:38-39 F '67.

- Electronic differential manometer for remote control measurement of air in mines. V. G. Demetriades. *Zap. LGI* 50 no. 1:47-48 '65.

- Experience in operating "Ritza" telemetering equipment and UDO-II level gauge in tank farms. V. V. Malock. *Mash. i elekt. obor.* no. 4:36-37 of cover '67.

- Interference killing feature for the transmission of remote-control commands in a system with acknowledgement signal. B. I. A. Sovetov. *Izv. vys. ucheb. zav. prib.* 10 no. 4:42-45 '67.

- Periodicity of interrogation of gas regulation points in dispatching of city gas systems. Z. I. A. Bykova, S. V. Gorchikov. *Gaz. prom.* 12 no. 3:39-41 Mr '67.

- Remote control of artesian wells. T. S. L. Milner, A. I. Buriak, A. I. Shchegolov. *Blud. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform.* 20 no. 6:19-20 My '67.

- Remote control of the process of inoculating cast iron with magnesium in an autoclave. A. A. Samarin, and others. *Lit. proizv.* no. 4:40-41 Ap '67.

- Russia (U.S.S.R.). Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] *Stroitel'nye normy i pravila.* Moskva, Stroizdat.

- Pl. 3. Sec. A. Ch. 8. [Operational planning and central control, basic considerations and regulations] *Operativnoe planirovaniye i dispetchizatsiya, osnovnyye polozheniya i pravila.* SNIP III-A-8-62. 1964. 7 p.

- Selective devices of frequency-type remote control systems with compensation of characteristics. A. B. Popov. *Prib. i sist. avtom.* no. 2:17-22 '66.

- Study of the electromagnetic field of a multiwire line with twisted conductors. K. K. Abramov. *Prib. i sist. avtom.* no. 2:30-43 '66.

- System for comparing and signaling threshold deviations in a remote control system. A. G. Melik-Askarov, V. S. Romashkin. *Prib. i sist. avtom.* no. 2:60-70 '66.

- System of remote control of the casting of anchor on the "Volga-Don" type ships. V. I. Mezheny. *Sudostroenie* 57 no. 4:20-23 Ap '67.

- Using correlation analysis for determining the necessary frequency of sampling in controlling petroleum production enterprises. T. L. Sletova. *Izv. vys. ucheb. zav. i nauch. i issl. inst.* no. 4:98-103 '67.

- Using null sequence channel for transmitting remote control signals through 10kv municipal power distribution networks. R. D. Protsenko, S. P. Karsianka, V. A. Osvetinskii. *Nauk. i tekhn. v gor. khoz.* no. 5:3-10 '66.

REMOTE CONTROL—ABSTRACTS

- [Automatic control, remote control, and computer technology] *Ref. zhur.: Avtom. i telemek. i vych. tekhn.* no. 7:11 '67.

RENT (ECONOMIC THEORY)

- What is the amount of differential rent? P. Karpov. *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 6:18-20 '67.

REPAIRING

- Repair and maintenance of communications facilities by troops. G. P. Bel'skii. *Vest. protivovozd. obor.* no. 10:69-71 O '66.

REPLACEMENT OF INDUSTRIAL EQUIPMENT

- Capital investments and the renovation of capital assets. A. Mirofanov. *Plan. khoz.* 44 no. 6:37-46 Je '67.

RESCUE WORK

- The "Tallo-Maru" suffers a disaster. E. Kurlykin. *Grazhd. av.* 24 no. 4:31 Ap '67.

RESEARCH

- [see also subdivision under Tajikistan; Uzbekistan]
- Discussion of the annual report. *Vest. AN SSSR* 37 no. 3:192-204 Mr '67.
- Introductory address by the President of the Academy of Sciences of the U.S.S.R., Academician M. V. Keldysh. *Vest. AN SSSR* 37 no. 3:5-10 Mr '67.
- The most important achievements in the field of natural and social sciences in 1966. J. Peive. *Vest. AN SSSR* 37 no. 3:11-191 Mr '67.
- Strengthen the bond between science and labor. *Tekh. i vooruzh.* 25 no. 12:1-2 D '60.

RESEARCH—FINANCE

- The scientific research schedules are a basis for their financial support. K. I. A. Akh'mev. *Vest. vys. shkoly* 26 no. 6:7-9 My '67.

RESEARCH, INDUSTRIAL—INFORMATION SERVICES

- Scientific and technological information to the developer. E. Shakhnazarian. *Prom. Arm.* 10 no. 4:54-57 '67.

RESEARCH, INDUSTRIAL—MANAGEMENT

- Dubrovskii, K. I., and G. Kh. Popov. [Economic problems of managing the development of experimental design] *Ekonomichekie voprosy upravleniya opytno-konstruktorakimi razrabotkami.* [Moskva] Izd-vo Mosk. univ., 1967. 97 p.

RESEARCH AND DEVELOPMENT CONTRACTS

- What are the results of economic agreements between institutions of higher education and industry. K. I. A. Kondrat'ev, L. A. Shilov. *Vest. vys. shkoly* 25 no. 5:47-52 My '67.

RESERVOIRS

- [see also subdivision under Kiev region]

- Change in organic composition of reservoirs. V. T. Kaplin. *Gidrokhim. mat.* 45:207-226 '67.
- Hydrochemistry of ponds in arid areas. N. V. Veslovskii. *Gidrokhim. mat.* 45:73-88 '67.
- Pollution and self-purification of reservoirs. V. T. Kaplin, N. G. Fesenko. *Gidrokhim. mat.* 45:189-206 '67.
- Prognosis of mineralization and chemical composition of waters of reservoirs. M. I. Kivlensov. *Gidrokhim. mat.* 45:89-106 '67.
- Reservoirs excavated on slopes to collect local runoff. P. I. Aksenov. *Gidr. i mol.* 18 no. 5:55-62 My '67.

RESIDUAL STRESSES

- Distribution of residual macrostresses along the length of electrically welded, 720mm. gas pipes. N. A. Kashlirin, N. P. Popov, P. I. Sergeev. *Teor. i prakt. met.* no. 7:229-235 '64.
- Effect of a heating-cooling cycle on residual stresses in die steel. D. M. Kornecov. *Kuz. i shtam. proizv.* 8 no. 4:13-15 Ap '67.
- Reducing residual deformations during arc welding of heat hardenable steels. M. D. Zhurkova, A. Shuvikov. *Svar. proizv.* no. 3:13-15 Mr '67.
- Residual microdistortions of 17GS low carbon steel. G. V. Grigoriant and others. *Metallurg. i term. obr. met.* no. 4:53-54 Ap '67.
- Tempering of welded structures. V. A. Vinokurov. *Svar. proizv.* no. 3:5-8 Mr '67.

RESINOGRAPHY

- Quantitative methods for the microstructural analysis in the technology of glass reinforced plastics. I. L. Kazbintsev, V. G. Savenkova. *Sbor. trud. LMI* no. 55:154-161 '66.

RESINS, SYNTHETIC

- Selective sealing of drowned layers by synthetic resins. V. A. Blazhevich, D. N. Umrikhina, N. R. Makhmutov. *Nefteprom. delo* no. 3:12-18 '67.
- Shrinkage phenomena and the structure of solidified resins. S. M. Tkachuk, L. A. Igortin. *Plast. massy* no. 5:38-40 '67.
- Some properties of solidified silicon organic resins. B. A. Kiselev, A. V. Nikiforov. *Plast. massy* no. 5:45-40 '67.

RESINS, SYNTHETIC—EXHIBITIONS

- Anniversary exposition of the "Chemical Industry" pavilion at the Exhibition of Advanced Practices in the National Economy of the U.S.S.R., U. V. Lazorenko, G. A. Pavlov. *Khim. prom. Ukr.* no. 3:58-61 My-Je '67.

RESONANCE

- Effect of impurities distorting the lattice on the spectra of proton magnetic resonance. D. P. Zeer, A. G. Lundin. *Pis'ma v red. Zhur. eksper. i teoret. fiz.* 5 no. 7:217-220 Ap '67.

- Volod'ko, A. G., and others. [Note on $(\Delta h)^*$ -resonance] *Zamechania o $(\Delta h)^*$ -rezonans.* [Dubna, 1967] 22 p.

RESONATORS

- Effect of dielectric losses on the Q-factor of piezoelectric resonators. A. F. Pion'skii. *Akust. i ultrazv.* no. 2:58-59 '66.
- Relativistic shift of the natural frequencies of a resonator. A. M. Glusluk. *Zhur. tekhn. fiz.* 37 no. 6:1176-1177 Je '67.
- Stability coefficient of a piezoelectric resonator. A. F. Pion'skii. *Akust. i ultrazv.* no. 2:60-62 '66.

RESORCINOL

- Chemistry of acetals. Report No. 22: Condensation of acetylacetone and dihydroresorcinol with acetals. Zh. A. Krasnaya, S. S. Iuft, V. F. Kucherov. *Izv. AN SSSR, Ser. khim.* no. 5:1104-1110 My '67.
- Reactions of diorganodichlorosilanes with resorcinol. K. A. Andrianov and others. *Izv. AN SSSR, Ser. khim.* no. 4:900-911 Ap '67.

RESPIRATION

- Nerve and reflex mechanisms of respiration regulation following excessive intrapulmonary pressure. V. A. Safonov. *Usp. sov. biol.* 63 no. 2:72-288 Mr-Apr '67.
- Reflex effects from the upper digestive tract on blood circulation and respiration. T. M. Kozenko. *Fiziol. zhur.* 53 no. 5:571-574 My '67.
- Respiratory rhythm of impulses of cutaneous and venous receptors of the chest. M. I. Kukkonen. *Biul. eksp. biol. i med.* 63 no. 6:14-17 Je '67.
- Selection of optimal regimen of controlled respiration in patients operated upon in the Trendelenburg position. E. M. Levits. *Sov. med.* 30 no. 5:119-121 My '67.
- Types of respiratory disorders in diaphragmatic syndromes. H. D. Dynaburgh, I. E. M. Maksymova. *Fiziol. zhur. [Ukr.]* 13 no. 3:324-331 My-Je '67.

FERRIBOATS—EQUIPMENT AND SUPPLIES

Design requirements of the design and equipment of navigation bridges and deckhouses on river vessels
G. F. Shumachenko. *Trudy TSNIITVR* no 46 102-117 '66

FIBERS

(see also subdivision under Karelia; Kolá Peninsula, Transbaikalia)

Effect of the density gradient on the characteristics of turbulences in the active layer of a river. A. A. Sporan'skiy. *Vest. Mosk. un. Ser. Fiz.-mat. nauch.* 22 no 3 32-33 May-June '67

FIVEPS—REGULATION

Changes of chemical composition of waters in the rivers of the plains of the European part of the U.S.S.R. resulting from regulation. A. A. Zenin. *Gidrotekhn. mat.* 45-21-34 '67

Determining the optimal radius of the curvature of a shallow channel in alluvial deposits. P. Shatberashvili. *Recl. transp.* 26 no 1 10-11 '67

FIBERS AND HYDROLOGICAL

Hydraulic river. N. K. Chernenov. *Mashinostroitel'stvo* 28 May '67

ROAD CONSTRUCTION

(see also subdivision under Armenia; Caucasus, Northern; Kazakhstan; Samarkand Province)

Prepared to meet in proper manner. *Avi. dor.* 30 no 4 3-4 May '67

Completely finished. I. V. Beloborov, N. A. Il'in, N. A. Rozor. *Avi. dor.* 30 no 1 2-3 May '67

D. M. Petrov, quality inspection. I. G. Ilyin. *Avi. dor.* 30 no 4 8 May '67

Economical version of reinforced-concrete supporting walls. V. V. Skokhodov, I. K. Komov. *Avi. dor.* 30 no 5 20-21 May '67

Establish conditions. *Avi. dor.* 30 no 5-1 May '67

From 1 enlarged to Moscow. I. Z. Shmirev, V. H. Alkharev, I. D. Dolzhenovskiy. *Avi. dor.* 30 no 1 6-7 May '67

The most important index of work. *Avi. dor.* 30 no 5-2 May '67

Perform work in the anniversary year. *Avi. dor.* 30 no 5 2 May '67

Precast-concrete supporting walls. A. G. Zolotarev. *Avi. dor.* 30 no 5-2 May '67

Raising earth roadbed above underground water level in southern areas. V. M. Sidorenko, S. A. Gritshin. *Avi. dor.* 30 no 4-26 May '67

Rate moisture content in soils of the roadbed. G. I. Shchepetov. *Avi. dor.* 30 no 1 27 May '67

Securing the smoothness of cement-concrete pavements. B. M. Yuliev, V. Shkin, V. Khmel'vskiy. *Avi. dor.* 30 no 1 22-23 May '67

ROAD CONSTRUCTION—MANAGEMENT

First experiment. S. Panch. *Avi. dor.* 30 no 5-6 May '67

Projects under final stages of construction in the anniversary year should be finished on schedule and in perfect condition. N. I. Litvin. *Avi. dor.* 30 no 4 1 May '67

ROAD MACHINERY

(see also subdivision under United States)

The D-551 face loader. N. A. Diderov, P. I. Revzin. *Stroitel. i dor. mash.* 12 no 5 12-14 May '67

Equipment for working frozen and rocky soils. I. A. Kolesnikov and others. *Stroitel. i dor. mash.* 12 no 2 5-7 May '67

Geometrical parameters of blade throwers. A. A. Kovalov. *Stroitel. i dor. mash.* 12 no 1 10-12 May '67

Oral mechanization of the construction of soil-cement roadbeds. V. M. Galdash. *Avi. dor.* 30 no 5 12-13 May '67

Selecting efficient parameters of the wedge for breaking frozen soils. P. Z. Pukhov, M. A. Gurin, B. N. Kluchev. *Stroitel. i dor. mash.* 12 no 2 8-9 May '67

Selecting parameters of the breaking intensity of a wedge. I. M. Vashchuk. *Stroitel. i dor. mash.* 12 no 2 9-10 May '67

Testing the D-652A ripper. M. I. Rovinskii, B. Z. Zakharovich, B. M. Orlov. *Stroitel. i dor. mash.* 12 no 1 12-15 May '67

ROAD MACHINERY—COOLING

Designing cooling systems of the power plants of construction and road machines. I. I. Brutalavskii. *Stroitel. i dor. mash.* 12 no 1 19-20 May '67

ROAD MACHINERY—HYDRAULIC DRIVING

Standardizing elements of the hydraulic systems of construction and road machines. O. A. Bardyshev. *Stroitel. i dor. mash.* 12 no 1 17-18 May '67

ROAD MACHINERY INDUSTRY—MANAGEMENT

Plan has been carried out. *Stroitel. i dor. mash.* 12 no 2 1-3 May '67

ROAD MATERIALS

(see also subdivision under Omsk Province)

Preparation of road emulsions without a dispersator. V. A. Khaitchenko and others. *Avi. dor.* 30 no 5 11-12 May '67

Volkov, V. G., A. M. Radin, and I. M. Rudenskaya. [Laboratory and field studies of road materials] *Laboratornye i prakticheskie issledovaniya po ispytaniyu dozorno-stoitel'nykh materialov.* Moskva, Transport, 1967 347 p.

ROAD ROLLERS see subdivision under Czechoslovakia

ROADS see subdivision under Kiev Province

ROADS—ABSTRACTS

[Highways] *Ref. zhur.: Avi. dor.* no 6 June '67

ROADS—CONGRESSES

International Road Congress, 11th, Rio de Janeiro, 1959. [Reports from the U.S.S.R. to the 11th International Road Congress] *Doklady o SSSR XI Mezhduнародnomu dorozhnomu kongressu (Rio-de-Zhaneiro, 1959 g.)* Moskva, Aviotransizdat, 1969 127 p.

ROADS—DESIGN

(see also subdivision under Kazakhstan, Soviet Central Asia)

Building subgrades for highways in quick sands. P. V. Sobolev. [Sbor.] *Kom. po zem. pol.* no 6 15-61 '66

Building subgrades in baricans and saline soils. M. A. Shvartev. [Sbor.] *Kom. po zem. pol.* no 6 15-30 '66

Characteristics of the construction of subgrades in moist Solonchak soils. I. V. Kaganovich. [Sbor.] *Kom. po zem. pol.* no 6 105-112 '66

Combination of cross sections with longitudinal profile of designed road. I. U. K. Aleksandrov. *Avi. dor.* 30 no 4 16 May '67

Dynamic programming in road location. R. I. A. Tsyganov. *Avi. dor.* 30 no 5 22 May '67

From the resolutions of the conference. [Sbor.] *Kom. po zem. pol.* no 6 121-282 '66

Increase requirements of the tract elements of highways. V. F. Bibikov and others. *Avi. dor.* 30 no 5-16 May '67

Research work in the field of designing and building subgrades for highways in arid regions and deserts. I. U. I. Mutyev. [Sbor.] *Kom. po zem. pol.* no 6 62-70 '66

Simple method for the layout of round curves. I. A. Shur-nuk. *Avi. dor.* 30 no 5 23 May '67

Some design features in designing roads for sandy regions. V. G. Sivakov. [Sbor.] *Kom. po zem. pol.* no 6 29-34 '66

Studying the strength of salted soils of motor roads. I. U. V. Butitskiy. [Sbor.] *Kom. po zem. pol.* no 6 92-104 '66

ROADS—INTERCHANGES AND INTERSECTIONS

Norms for designing intersections on the same level. E. M. Lobanov. *Avi. dor.* 30 no 4 16-17 May '67

ROADS—MAPS

Atlas of highways of the U.S.S.R. I. U. A. Shopintsev. *Grod. i kart.* no 5 61-66 May '67

ROADS—BAND PROTECTION AND REMOVAL

(see also subdivision under Kazakhstan; Soviet Central Asia)

Building subgrades for highways in quick sands. P. V. Sobolev. [Sbor.] *Kom. po zem. pol.* no 6 45-61 '66

Some design features in designing roads for sandy regions. V. G. Sivakov. [Sbor.] *Kom. po zem. pol.* no 6 29-34 '66

ROADS—SNOW AND ICE CONTROL

Directive planning for snow protection. V. T. Fediashin, N. P. Ilyev. *Avi. dor.* 30 no 1 21-25 May '67

ROADS—SURVEYING

Observing fill settlement. A. N. Yikhonov. *Izv. vyz. ucheb. zav. i geod. i aerof.* no 5 55-57 '66

ROADS, SOIL-CEMENT

(see also subdivision under Lugansk Province)
Duration of the technological process and stability of soil-cement layers of pavements. V. N. Permiakov, V. M. Mogilevich. *Avi. dor.* 30 no 1 9-10 May '67

Overall mechanization of the construction of soil-cement roadbeds. V. M. Galdash. *Avi. dor.* 30 no 5 12-13 May '67

ROADSIDE IMPROVEMENT

Roadside forest belts. I. I. Moroz. *Avi. dor.* 30 no 4 24 May '67

ROCK DRILLS—COOLING

Temperature conditions of diamond bits during boring. B. B. Kudrinskoy, A. V. Kasatoshkin. *Izv. vyz. ucheb. zav. i geod. i aerof.* no 3 70-75 '67

ROCK DRILLS—PNEUMATIC DRIVING

Fighting the noise of air rock drills. A. K. Sidorenko, P. N. Stenboiten. *Izv. vyz. ucheb. zav. i geod. i aerof.* no 3 61-63 '67

ROCK MECHANICS

Influence of various factors on the efficiency of rock breaking by dynamic penetration of roller bits. N. M. Filimonov, M. R. Mavliatov. *Izv. vyz. ucheb. zav. i geod. i aerof.* no 1 84-87 '66

Rock deformation under the simultaneous effect of static and dynamic pressures. G. G. Mirzayev. *Fiz.-tekh. prob. razrab. pol. iskop.* no 1 11-17 May '67

Roza, S. A., and B. D. Zelen'skiy. [Study of mechanical properties of rock foundations of hydraulic structures (gravity and arch dams and pressure tunnels)] *Issledovanie mekhanicheskikh svoystv skal'nykh osnovaniy gidrotekhnicheskikh sooruzheniy (gravitatsionnykh i archnykh plotin i napornykh tunneley)*. Moskva, Energiya, 1967 391 p.

ROCK PRESSURE

Determining causes and methods of preventing rock crushing to the sides of working faces. A. I. Granin, V. I. Gornyykh. *Nauch. trudy PermNIUI* no 7 53-61 '64

Effect of rock pressure on opening and developing thick deposits in Kirovograd Basin. I. U. P. Ivanov and others. *Shoi. nauch. i tekhn. izv. GGU* no 16 85-96 '63

Investigating manifestations of rock pressure in main inclined workings of Kiselevsk coal mines. I. S. T. Sukerman, I. U. I. Voshchinskii. *Nauch. trudy PermNIUI* no 7 83-96 '64

Laboratory investigations of sequences of sloping operations. I. A. Kucheravenko. *Shoi. nauch. i tekhn. izv. GGU* no 16 96-103 '61

Prospects of using mining systems with rock breaking in tight faces. N. I. Dladachkin, N. A. Solomatina. *Shoi. nauch. i tekhn. izv. GGU* no 16 81-81 '63

Results of the improvement of sloping technology at the "Gigant" mine. S. E. Nikulin and others. *Shoi. nauch. i tekhn. izv. GGU* no 16 13-20 '63

Rock deformations under the simultaneous effect of static and dynamic pressures. G. G. Mirzayev. *Fiz.-tekh. prob. razrab. pol. iskop.* no 1 11-17 May '67

ROCK SALT

Studying the direction of surface layer deformations in the case of friction of rock salt crystals. V. D. Evdokimov. *Izv. vyz. ucheb. zav. i geod. i aerof.* no 4 7-10 '67

ROCK SLOPES

Calculating rods and flexible rope guys in artificial strengthening of rock slopes in open-pit mines. M. A. Revazov, N. K. Zvonarev. *Zap. LGI* 52 no 1 69-65 '66

Investigating parameters of open-pit mining with caving. V. V. Galitsyn. *Zap. LGI* 52 no 1 19-53 '66

Faking into account fracturing in calculations of rock slope stability. I. V. Yarkov. *Fiz.-tekh. prob. razrab. pol. iskop.* no 1 13-10 May '67

Taking into account the movements of dump pile slopes in evaluating their stability. A. M. Gal'perin. *Nauch. trudy Mosk. inst. radioelektr. i gor. elektromekh. i fiz.* 158-165 '65

ROCKET ENGINES—FUEL

Sokol, R. E. [Gas thermodynamics of solid-fuel rocket engines] *Gazovaya dinamika raketnykh dvigateley na tverdom toplive*. Moskva, Nauka, 1967. 368 p.

ROCKETEERS

Morale and courage of the commissioned officers of rocket-launching units. N. Krylov. *Komm. Vooruzh. Sil* 48 no 9 23-25 May '67

When the deeds follow the words. V. Obukhov. *Komm. Vooruzh. Sil* 48 no 9 25-28 May '67

ROCKETRY

Aslatshekov, P. T. [Soviet rocket troops] *Sovetskije raketnye voyska*, 2., perer. i dop. izd. Pod red. V. F. Tolubko. Moskva, Voenizdat, 1967. 344 p. (Nauchno-populjarnaja biblioteka)

ROCKETRY—STUDY AND TEACHING

High skill demanded of the gunner. V. V. Lomakin. *Vest. protivovozd. obrat.* no 1 25-28 May '67

Improve calculations of reconnaissance and target designation stations. V. I. Kondratenko. *Vest. protivovozd. obrat.* no 10 20-22 May '66

In complex situations. A. V. Ryzhikov. *Vest. protivovozd. obrat.* no 4 25-29 May '67

When firing is in progress. A. G. Malenkin. *Vest. protivovozd. obrat.* no 1 29-31 May '67

ROCKETS (ORDNANCE)

Aslatshekov, P. T. [Soviet rocket troops] *Sovetskije raketnye voyska*, 2., perer. i dop. izd. Pod red. V. F. Tolubko. Moskva, Voenizdat, 1967. 344 p. (Nauchno-populjarnaja biblioteka)

Morale and courage of the commissioned officers of rocket-launching units. N. Krylov. *Komm. Vooruzh. Sil* 48 no 9 23-25 May '67

When the deeds follow the words. V. Obukhov. *Komm. Vooruzh. Sil* 48 no 9 25-28 May '67

ROCKS—ANALYSIS see subdivision under Kuznetsk Basin; Maritime Territory

ROCKS—CLASSIFICATION AND NOMENCLATURE

Classification of evacuated materials according to their structural characteristics. I. U. I. Bellakov. *Izv. vyz. ucheb. zav. i geod. i aerof.* no 3 16-21 '67

Classification of rocks according to their physical properties. G. I. A. Novik. *Nauch. trudy Mosk. inst. radioelektr. i gor. elektromekh. i fiz.* 158-165 '65

Method of rock zonation according to difficulty of blasting. V. M. Mosinets and others. *Fiz.-tekh. prob. razrab. pol. iskop.* no 1 30-36 May '67

- ROCKS—DENSITY**
Relation between the propagation velocity of longitudinal waves and the density of rocks at high hydrostatic pressure. M. P. Volynovich and others. Izv. AN SSSR, Fiz. zem. nauch. 5:14-20 My '67.
- ROCKS—ELASTIC PROPERTIES**
(see also subdivision under Caucasus, Northern)
Determining the elastic modulus of rock by the resonance method. I. S. Barabulin. Zav. lab., 33 no. 3 360-366 '67.
Literature methods for determining elastic parameters of rocks. O. P. Vdviashchii, V. S. Ilyashchikov and N. A. Chelidze. Nauch. trudy Mosk. inst. radioelek. i gor. elektron. mekh. 5:51-12-18 '65.
- ROCKS—ELECTRIC PROPERTIES**
Frequency dispersion of the electric properties in rocks. F. L. Chelidze. Subb. AN Gruz. SSR 46 no. 1 67-74 Ap '67.
- ROCKS—FRACTURE**
Hydroexplosive crushing of oversize rocks without boreholes. G. G. Iomonoov. Nauch. trudy Mosk. inst. radioelek. i gor. elektron. mekh. no. 31 84-98 '65.
Investigating the breakage radius of fissured rock masses caused by borehole charge blasting. A. G. Gallmullin, D. F. Panchenko, A. V. Karpuski. Izv. vys. ucheb. zav., gor. zhur., 9 no. 1 88-92 '66.
Using commercial frequency currents for rock breaking. I. I. Putanov. Nauch. trudy Mosk. inst. radioelek. i gor. elektron. mekh. no. 51 76-79 '65.
- ROCKS—PIEZOELECTRIC PROPERTIES**
Piezoelectric properties of quartz-containing rocks. I. B. Uspenskaya. Nauch. trudy Mosk. inst. radioelek. i gor. elektron. mekh. no. 51 19-21 '65.
- ROCKS—THERMAL PROPERTIES**
Dzidzigiuri, A. A., and others. [Thermophysical characteristics of rocks and methods of determining them] Teplofizicheskie kharakteristiki gornykh porod i ikh opredeleniia. Tbilisi, Metsnereba, 1966. 227 p.
- ROCKS, CARBONATE**
(see also subdivision under Donets Basin; Southern Bug Valley)
Stages of the metamorphism of Archean carbonate rocks and their connection with metamorphic facies of enclosing rocks. E. P. Leonova. Uch. zap. Ped. inst. Gerts. 290:101-116 '66.
- ROCKS, CARBONATE—ANALYSIS**
(see also subdivision under Volgograd Province)
Analyzing and improving the methodology of determining the porosity of carbonate rocks. Kh. Sh. Sabirov, A. P. Petuk. Neftprom. delo no. 5 7-10 '67.
Experience in using data of neutron gamma method for evaluating porosity of carbonate rocks. A. S. Pestrikov, A. V. Erimakova. Trudy VNIIG no. 3 372-387 '65.
Methodology of conodonts from rock. S. P. Sergoova. Uch. zap. Ped. inst. Gerts. 290:360-363 '66.
- ROCKS, CRYSTALLINE AND METAMORPHIC** see subdivision under Kola Peninsula
- ROCKS, EFFECT OF TEMPERATURE ON**
Reducing strength properties of rocks by deep cooling. V. B. Dobretsov. Nauch. trudy Mosk. inst. radioelek. i gor. elektron. mekh. no. 51:73-76 '65.
- ROCKS, IGNEOUS**
(see also subdivision under Aldan Plateau; Armenia; Balkan Lake region; Kazakhstan; Koyandytau; Mugodzhar Hills; Olekminskiy Stanovik; Tetyukhe Valley; Transbaikalia; Turgay Gales; Udokan Range; Vilim Plateau; Zhamshi Valley)
Igneous rock formations. I. M. Kozulina. Trudy BKNII 22:143-150 '66.
Polovinkina, N. I. [Texture and structure of igneous and metamorphic rocks] Struktury i tekstury izverzhennykh i metamorficheskikh gornykh porod. Moskva, Nedra, Pt. 2, Vol. 1. [Igneous rocks] Izverzhennyye porody. 1966. 423 p.
Relation between uranium ore beds and extrusives of oxidated rocks. V. M. Konstantinov. Atom. energ. 22 no. 5:416-417 My '67.
Tectonics and igneous activity. V. E. Sulikozov. Priroda no. 4 114-115 Ap '67.
Use diagrams in determining composition of plagioclases of hypabyssal intrusive rocks. A. N. Belov. Zap. Vses. min. ob-va 96 no. 2:202-206 '67.
- ROCKS, IGNEOUS—ANALYSIS**
(see also subdivision under Transbaikalia)
Beus, A. A., and I. P. Dikov. [Geochemistry of beryllium in processes of endogenous mineral formation; based on the hydrothermal experiment] Geokhimiya berillia v protsessakh endogennoy mineraloobrazovaniia (na osnovie gidrotermal'nogo eksperimenta). Moskva, Nedra, 1967. 159 p.
- ROCKS, SEDIMENTARY** see subdivision under Buryat A.S.S.R.; Second Baku; Tien Shan; Turan region (Volgograd Province)
- ROCKS, SEDIMENTARY—ANALYSIS** see subdivision under Chkhatura region (Georgia); Kazakhstan; Maritime Territory
- ROCKS, SEDIMENTARY—PERMEABILITY** see subdivision under Volgograd Province
- ROCKWELL TEST**
Instrument errors in determining hardness with the TK device. V. V. Varnello. Sbor. trud. Novosib. prav. NTORIE no. 2 39-46 '62.
- RODENTS—DISEASES AND PESTS** see subdivision under Northsk region (Krasnoyarsk Territory)
- RODENTS—PARASITES** see Parasites—Rodents
- ROLLERS (EARTHWORK)**
Line D-647 motor roller. S. A. Vainov, L. A. Antipov. Stroitel. dor. mash. 12 no. 2:18-20 '67.
- ROLLING (METALWORK)**
Certain problems in the technology of making thick and wide two-layer plates. K. K. D'achenko, I. I. Krivonozov, D. I. Pilazev. Met. i gornorud. prom. no. 2:27-29 Mr.-Ap '67.
Determining the resistance to deformation of metal worked on rolling mills. V. M. Lushnikov. Izv. vys. ucheb. zav., mashinost. no. 4 136-139 '67.
Effect of media during pressure working on properties of niobium. V. M. Amonenko and others. TSvet. met. 40 no. 4 77-79 Ap '67.
Komanovskii, A. Z., N. A. Troshchenkov, and V. S. Movshovich. [Production of alloyed cold-rolled sheets] Proizvodstvo legirovannykh kholodno-katalnykh listov. Moskva, Metallurgiya, 1967. 158 p.
Metal pressure on rolls during rolling. A. P. Chekmarev, L. A. Chekmareva. Met. i gornorud. prom. no. 2 24-27 Mr.-Ap '67.
Producing sheets and foil from tungsten alloys. N. I. Korneev and others. Blud. tekhn. i obshch. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 5:8-9 My '67.
Quality of welded joints depending on conditions of bimetal rolling. A. S. Gulliaev. TSvet. met. 40 no. 4 83-85 Ap '67.
Rolling heavy ingots on slabbing mills. L. V. Andreiuk. Teor. i prak. met. no. 7 120-133 '64.
Rolling high-melting metals in an inert controlled temperature. A. I. Borisov and others. TSvet. met. 40 no. 5 82-84 My '67.
Temperature dependence of the external friction coefficient in M3 copper rolling. V. P. Severdenko, M. A. Barseljan. Dokl. AN BSSR 11 no. 4 327-329 Ap '67.
- ROLLING (METALWORK)—QUALITY CONTROL**
Ways of improving the quality of ingots for wheel steel. V. M. Kirsanov and others. Met. i gornorud. prom. no. 2:14-17 Mr.-Ap '67.
- ROLLING CONTACT**
Metal pressure on rolls during rolling. A. P. Chekmarev, L. A. Chekmareva. Met. i gornorud. prom. no. 2:24-27 Mr.-Ap '67.
- ROLLING MILLS**
Contact pulse transmitter of amount and direction of shilling. A. A. Gurkov, V. F. Antipov. Teor. i prak. met. no. 7:134-138 '64.
Contactless measurement of the speed of moving metal. V. G. Kotova, G. K. Nenchayev. Kontr. i izm. tekhn. no. 3: 93-98 '66.
Determining efficient variants of alternating metal rolling for various purposes in rail and structural steel mills of the Petrovskii Plant. B. P. Bel'gol'skii, A. L. Staroselskii, V. A. Ponomarenko. Met. i gornorud. prom. no. 2:80-83 Mr.-Ap '67.
Self-adjusting automatic control of the screw-down gear of a rolling mill. V. I. Aikhangelskii, E. I. Gubenko, V. P. Tvardovskii. Mekh. i avtom. proz. 21 no. 5 15-18 '67.
- ROLLING MILLS—DESIGN AND CONSTRUCTION**
Drozd, V. G., and A. I. Merenkov. [Section rolling mills] Sortovyye prokalynye stany. Moskva, Metallurgiya, 1967. 179 p.
- ROLLING MILLS—ELECTRIC DRIVING**
Power and temperature parameters in thin sheet rolling of various steels and alloys on the "1500" mill. S. N. Vysokovskii and others. Teor. i prak. met. no. 7 90-100 '64.
- ROLLING MILLS—PARTS**
Selecting material for bushings of universal spindles of rolling mills. N. G. Drozdov. Vest. mashinost. 47 no. 5:51-53 My '67.
- ROLLS (ROLLING MILLS)**
Determining the arm of resultant in calculating torques on rolls. V. N. Vydrin, L. M. Ageev. Izv. vys. ucheb. zav., mashinost. no. 4 132-135 '67.
- Flattening of the working rolls during sheet rolling. S. N. Vysokovskii, L. V. Andriuk, V. A. Sokolov. Teor. i prak. met. no. 7 101-112 '64.
- ROLLS (ROLLING MILLS)—COOLING**
Temperature conditions of rolls on the "1500" mill. V. A. Sokolov, S. N. Vysokovskii. Teor. i prak. met. no. 7 113-119 '64.
- ROLLS (ROLLING MILLS)—DESIGN AND CONSTRUCTION**
Roll grooving for an 850 two-high sheet mill. M. I. A. Brovman, I. U. S. Dodin, V. N. Serebrennikov. TSvet. met. 40 no. 5 81-82 My '67.
- ROMASHKINO OIL FIELD—OIL FIELD FLOODING**
Character of flow of water-oil contact. G. I. Datalov. Geol. nef. i gaza 11 no. 5:47-49 My '67.
- ROMASHKINO OIL FIELD—PETROLEUM GEOLOGY**
Dependence of degree of formation discontinuity on number of initial data and some parameters of nonuniformity. I. U. P. Borisov, V. V. Volnov, Z. A. Khrustaleva. Nauch.-tekhn. sbor. po dob. nef. i gaza no. 20 94-101 '66.
- ROOFING, BITUMINOUS**
Simplest means of protecting built-up roofs from solar radiation. A. Polomin, L. Kuzina. Zhil. stroit. no. 11:10-12 '66.
- ROOT ROT**
Characteristics of spruce trunk incision in root rot foci. S. V. Shevchuk. Ukr. bot. zhur., 24 no. 2:48-54 Mr.-Ap '67.
- ROOTS (BOTANY)**
Absorption of mineral nutrients by roots of lupine and oat in pure and mixed culture. I. N. Hakhiseenk, R. M. Iahorava. Vestn. AN BSSR Ser. biol. nauch. no. 2 5-8 '67.
Biology of root development in Glycythiza glabra L. by root and rhizome sections along root length. M. A. Mikailov, D. D. Mirzaev. Dokl. AN Azerb. SSR 23 no. 1:42-46 '67.
Biology of root offshoot in aspen. V. V. Petrov. Nauch. dokl. vys. shkoly, biol. nauk. 10 no. 4:70-79 '67.
Effect of green manure on the development of the active part of the root system of apple. A. S. Eldorant. Dokl. AN Uz. SSR 23 no. 8:80-81 '66.
Effect of oxygen concentration on absorptive activity of the root system. F. I. A. Chikunashvili. Fiziol. chev. rast. no. 2 38-43 '66.
Effect of some ions on absorptive activity and respiration of grapevine roots. Fiziol. chev. i anal. no. 2 26-31 '66.
Excretion of vitamins by roots. N. I. Gvannichava. Fiziol. chev. rast. no. 2 5-10 '66.
Localization of free space of barley roots. D. B. Vukhmishov. Fiziol. rast. 14 no. 3:397-401 My-Je '67.
Localization of sucrose in the tissues of storage roots of sugar beets. V. P. Khlodova. Fiziol. rast. 14 no. 3:444-450 My-Je '67.
Soil penetration by oak roots at its southern range. A. A. Shebarov. Nauch. dokl. vys. shkoly, biol. nauk. 10 no. 4 80-82 '67.
Some data on the structure of roots and tubers in Alopocurus pratensis L. A. I. Krasnikova, V. I. Esyreva, M. P. Poroshina. Bot. zhur., 62 no. 5:606-680 My '67.
Sugar uptake by sugar beet roots. V. P. Pontovich. Fiziol. rast. 14 no. 3:434-443 My-Je '67.
- ROPE**
Devices for determining the stiffness of ropes. I. F. Golovlev. Trudy VNIRO. 01:351-357 '66.
Nonmetallic mooring lines for seagoing cargo ships. I. U. A. Manzhos. Sudostroenie 57 no. 2:18-24 F '67.
- ROSTOV, VALENTIN NIKOLAEVICH, 1907?-**
Road of the master; on the 60th birthday of V. N. Rostov. Tekh. est. 4 no. 3:28-31 Mr '67.
- ROSTOV-ON-DON—AGRICULTURAL MACHINERY INDUSTRY—ACCOUNTING**
Business accounting in the "Rostsel'mash" Plant. N. Bykadorov. Bukhg. uch. 26 no. 5:12-15 My '67.
- ROSTOV-ON-DON—SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES**
Accounting in the workshops of the "Santekharmatura" Plant. V. Talarchenko. Bukhg. uch. 26 no. 5:15-19 My '67.
- ROSTOV-ON-DON—VETERANS**
Section of the Veterans of the 330th Rostov Division. A. Shurupov. Voen.-isl. zhur., 9 no. 4:111-112 Ap '67.
- ROSTOV PROVINCE—COAL MINES AND MINING—MANAGEMENT**
You also can work this way. A. Priklad'ko. Agitator no. 2:22-24 Ja '61.
- ROSTOV PROVINCE—ECONOMIC CONDITIONS**
To get in step with the heroes. V. Zeldinar. Agitator 35 no. 11:45-46 Je '67.

V PROVINCE—GRAIN—FERTILIZERS AND SURES

iveness of mineral fertilizers for grain crops in
Province, N. N. Ushinski, M. M. Sugrobov. Khim.
1, Khokh. 5 no. 5:59-62 '67

V PROVINCE—GRAIN ELEVATORS—MANAGE- -T

receiving station is getting ready for the new sea-
A. Timoshenko, G. Sukharev Zakup sel'khoz
no. 3:32-33 Mr '67

V PROVINCE—STATE FARMS—FINANCE

ability and specialization M. Khichenko Den.
1, 25 no. 4:18-20 Ap '67.

Y KILNS see Kilns, Rotary

VING AMPLIFIERS

ization of the structural circuit and differential
tions of an amplifier, I. A. Perminov
ys. ucheb. zav., elektromekh. no. 5:547-553 My

ING MASSES OF FLUID

ximate solution of integral equations describing the
dy motion of a viscous incompressible fluid inside
ating cylinder, A. Aidosov, Izv. AN Uz. SSR, Ser.
nauk 10 no. 5:41-45 '66.

aternal study of the flow of a thin liquid layer across
ur face of a rotating cone, A. K. Volnov, N S
ulova PMTF no. 2 107-109 Mr-Apr '67.

ION OF CROPS

also subdivision under Novosibirsk Province)
preceding winter crops A. Fedulov, Zemledelie
o 5 23-24 My '67

ucing and mastering crop rotation S. Vorobiev,
ordinskii Zemledelie 20 no. 5 11-18 My '67

Jung crops and the effectiveness of chemical weed
oil in oil flax fields I V Boiadin, N P Shchei-
Vest, sel'khoz, nauki 12 no. 5 18-21 My '67

on of crops and weed control B. Dospekhov
ledelie 20 no. 5 41-43 My '67

S

ximate balancing of a rotor with variable mass
Bessonov Mashinostroyeniye no. 3:18-26 My-
67

h, B. V. [Static and dynamic balancing of gas-tur-
rotors] Staticheskaya i dinamicheskaya balansirov-
dov gazovyykh turbin. Moskva, Mashinostroyeniye,
67 p.

ic balancing of rotors V. T. Mlachin, Izv. vys.
zav., prib. 10 no. 4:100-104 '67

ments of a rotor under the action of an external
onic force, Z. S. Batalova, Mekh. i ver. tela no. 2,
3 Mr-Apr '67.

—VIBRATION

ibrations and stability of arbitrary rotor systems
ating bearings, E. L. Pozniak, A. L. Tsyrlin,
i ver. tela no. 2 25-37 Mr-Apr '67.

S (HELICOPTERS)

ating the stability of a two-blade helicopter rotor
anisotropic elastic base, R. S. Musallimova, Izv.
ucheb. zav., mashinost. no. 3:31-34 '67.

ignating the stability of a two-bladed rotor on an
tropic flexible base, R. S. Musallimova, Izv. vys.
zav., mashinost. no. 4 31-35 '67.

S (HELICOPTERS)—VIBRATION

ions of an elastic rotor in gimballs, L. N. Grodka,
i ver. tela no. 2 62-65 Mr-Apr '67.

SKIT, ALEKSANDR SAMOILOVICH, 1901?-

ovenskii; obituary. Kozh.-obuv. prom. 0 no. 3,
tr '67.

PROVINCE—AGRICULTURE

the line of the district center I Semchenov
zhizn' no. 11:51-54 Je '67.

L REGION (UKRAINE)—CHEMICAL INDUSTRIES— EDULING

rk methods in planning and managing the process
liding up the capacity of the Rozdol Mining and
ical Combine, I. A. Ivanovskiy and others, Khim.
Ukr. no. 5:38-44 S-O '66.

ESTVENSKI, ARKADII ALEKSANDROVICH, -1966

ii Aleksandrovich Rozhdestvenskii, 1893-1966;
ary. Meteor. i gidrol. no. 4:125-126 Ap '67.

ESTVENSKI, DMITRII SERGEEVICH, 1876-

features of the scientific work of Academician
Rozhdestvenskii and his school, A. F. Kononov,
Ostrovskii, Vest. Mosk. un. Ser. 3 Fiz. astron.
o. 3:87-92 My-Je '67.

RUBAKIN, ALEKSANDR NIKOLAEVICH, 1839-

For history, I Rubakin V mire knig 7 no. 2, 44-
45 '67

RUBBER

Determining the degree of grafting styrene to rubber.
N. V. Galenko and others Khim. prom. Ukr. no. 5:48-
49 S-O '66.

Processes of glass transition of some rubbers and oligo-
mers studied by means of differential thermal analysis.
IU, IU, Kercha, IU S Lipatov, N. K. Ivchenko Vyso-
koin seed Ser. A 9 no. 4:789-802 Ap '67

RUBBER, SYNTHETIC

Characteristics of rubbers made from the SKTVG vinyl
hydride siloxane crude rubbers, F. A. Galii-Ogly and
others Kauch. i rez. 26 no. 5 4-5 '67

Effect of combinations of triphenylphosphine with trichloro-
tophenol and di(trichlorophenyl)disulfide on the thermal
oxidative destruction of vulcanizates, V. F. Drozdovskii,
Kauch. i rez. 26 no. 5 21-23 '67

Effect of the salts of fatty acids, modified rosins, and
dibutyltinphthaline sulfonic acid on the kinetics of
vulcanization, structure, and properties of the vulcani-
zates of butadiene-styrene rubbers N. I. Troitskaya,
B. K. Kaimin, Kauch. i rez. 26 no. 5 15-19 '67.

Electron-microscopic study of the crystal structure of
cis-1,4-butadiene rubber, A. I. Marek, G. E. Novikova,
G. T. Krachenko Kauch. i rez. 26 no. 5 14-15 '67

Geography of the synthetic rubber industry in the
U. S. S. R. A. A. Ivanchuk Vop. geog. no. 72 87-94 '66

Production of protective mixtures from cis-1,4-butadiene
rubber, L. A. Ognevskii and others, Kauch. i rez. 26
no. 5 10-13 '67.

Spectral determination of 1,4-cis, 1,4-trans and 1,2-forms
in macromolecules of polybutadiene rubbers N. V.
Galenko, V. R. Zolotarev Plast. massy no. 5 59-60 '67

RUBBER, SYNTHETIC—DRYING

Relation between moisture and butadiene-styrene filled
with carbon black and oil in the process of drying, V. S.
Shein, V. I. Popov, Kauch. i rez. 26 no. 5 19-20 '67

RUBBER GOODS

Deformation characteristics of flat rubber membranes.
M. V. Vokorina, G. M. Butenev, A. I. Khichenko Kauch.
i rez. 26 no. 5 29-31 '67

Use of rubber in the rolling stock of railroads abroad.
V. I. Maevskii, T. A. Zagorodniakova, L. E. Vinitskii,
Kauch. i rez. 26 no. 5 32-38 '67.

RUBBER INDUSTRY see subdivision under Malaysia

RUBBER INDUSTRY—EQUIPMENT AND SUPPLIES

Purification of the aspirated air coming from rubber mixers.
M. I. Gurevich and others, Kauch. i rez. 26 no. 5 46-
47 '67.

RUBBER INDUSTRY—MANAGEMENT

(see also subdivision under Karaganda)

Scientific labor organization in the most important condi-
tion for the increase of labor productivity, V. G. Khor'-
kov, Kauch. i rez. 26 no. 5 2-3 '67.

RUBBER INDUSTRY WORKERS—EDUCATION AND TRAIN- -ING

Improving the quality of the preparation of engineers for
the fire and technical rubber industry, G. A. Blokh,
Kauch. i rez. 26 no. 5 51-52 '67.

RUBBER MACHINERY see subdivision under Krasnoyarsk

RUBBER TIRES see Tires, Rubber

RUBBERIZED FABRICS

Using rubberized air ducts in combined ventilation of
workings, V. G. Silasarenko, Sbor. nauch. trud. KGBI
no. 16 132-137 '63.

RUBIDIUM see subdivision under Solikamsk region

RUDKI GAS FIELD—GAS, NATURAL

Experience in automation of Rudki gas field, V. Shikiri-
nets, Gaz. delo no. 4:12-36 '67.

RUDKI GAS FIELD—GAS, NATURAL—DRYING

Experience in operating gas cleaning and drying units of
Rudki gas field, A. A. Fridel, M. P. Borsuk, Gaz. delo
no. 3 40-42 '67.

RUDKI GAS FIELD—GAS, NATURAL—PURIFICATION

Experience in operating gas cleaning and drying units of
Rudki gas field, A. A. Fridel, M. P. Borsuk, Gaz. delo
no. 3 40-42 '67

RUG AND CARPET INDUSTRY—MANAGEMENT see subdivision under Vitebsk

RUGS AND CARPETS, AZERBAIJANI

Typical rugs of Azerbaijan, N. A. Abdullaeva, Isk.
Azerb. no. 9:135-184 '63.

RUMANIA—BIBLIOGRAPHY

[New literature on Rumania] Nov. lit. po Rum. no. 5 '67.

RUMANIA—COMMERCE

The trend is toward further development, V. Todurascu,
Vnesh. torg. 47 no. 5:20-24 '67.

RUMANIA—CONSTITUTION

New Constitution of Socialist Rumania, I. P. Hineskil.
Izv. vys. ucheb. zav. prav. no. 1:110-114 Ja-F '67

RUMANIA—GEOLOGICAL RESEARCH

With Rumanian friends, M. V. Reznichenko, Razved. i
okh. nedr. 33 no. 5 58-59 My '67

RUMANIA—HISTORY

90th anniversary of Rumania's independence, IU, Zalun-
chikovskii, Nov. vrem. 25 no. 21 10-13 My '67.

RUMANIA—INDUSTRIES

The trend is toward further development, V. Todurascu,
Vnesh. torg. 47 no. 5:20-24 '67

RUMANIA—SUGAR INDUSTRY—QUALITY CONTROL

Methods for the improvement of sugar quality, D. G.
Bronshtein, A. I. Shapiro, Sakh. prom. 41 no. 5:66-70
My '67.

RUMEN

Intermediate metabolism and processes of fermentation
in the rumen of calves during intensive raising and
fattening, G. A. Bondarenko and others, Vest. sel'khoz.
nauki 12 no. 5 59-66 My '67.

RUMANTSEVA, OLGA MERIAILOVNA

Fifty years in the party Oktabr. 44 no. 3 209 Mr '67.

RUNOFF

(see also subdivision under Issyk-Kul Depression;
Oslolets River; Russia, Asiatic; Siberia, Western)

Annual distribution of underground flow in rivers, I. M.
Cherniaia, Trudy GGI no. 139 79-98 '67

Atmospheric precipitation and runoff of solutes, A. A.
Matveev, Gid. okhlm. mal. 45:5-20 '67

Calculation of the flow of medium and large rivers for a
ten-day period based on the flow of small ones, M. I.
Gurevich, Trudy GGI no. 138 76-91 '67

Determining structure of streamflow based on observation
of runoff from experimental plots and small drainage
basins, S. V. Basse, Vest. LGU 22 no. 6 149-154
Mr '67.

[Materials on the maximum runoff of meltwaters of the
rivers of the U. S. S. R.] Materialy po maksimal'nomu
stoku talykh vod rek SSSR, Leningrad, Gidrometeoizdat,
1967, 194 p.

Method of the calculation of the flow of mountain rivers
in the flood period, S. M. Gordon, V. N. Berezhnova,
Dokl. AN Tadzh. SSR 10 no. 4:45-48 '67.

Method of water balance in the evaluation of underground
flow, O. V. Popov, Trudy GGI no. 139 36-52 '67.

Regulation of underground flow by ice formation, F. A.
Lifshits, B. L. Sokolov, Trudy GGI no. 139 180-205 '67.

Solution of inverse problems for linear models of runoff,
I. S. Kuchment, Meteor. i gidrol. no. 4:73-79 Ap '67.

RUNOFF—MAPS

Maps of river discharge resources Available to population,
R. M. Pravolozov, Geod. i kart. no. 4:59-62 Ap '67.

RURAL CONDITIONS

From the editor's mailbox Agitator no. 22:57-59 N
'61.

RURAL CONSTRUCTION see subdivision under

Kazakhstan; Uzbekistan; Zhitomir Province

RURAL CONSTRUCTION—FINANCE

Bank credit and developing interfarm organizations.
A. Bondarenko, Den. i kred. 25 no. 5 46-48 My '67

RURAL CONSTRUCTION—MANAGEMENT see sub- division under North Kazakhstan Province

RURAL CRIMES

Just for the record S. Saldyev, Sov. iust. 31 no. 9:25
My '67.

RURAL ELECTRIFICATION see subdivision under

Kashino (Moscow Province); Moscow Province

RURAL PUBLIC HEALTH see Public health, Rural

RUSINIAN, NAAPET, 1819-1876

Some problems concerning Naapet Rusinian's philosophi-
cal teachings, E. O. Rakhim, Vest. obshchestv. nauk AN
Arm. SSR no. 5:15-25 '67.

RUSSIA—AIR FORCE

A dream of our fliers, G. Smirnov, Komm. Vooruzh. Sil
48 no. 11:15-20 Je '67.

Ideas of the October Revolution inspire great deeds,
V. Semenov, Av. i kosm. no. 5:2-7 My '67.

In fight for seconds, Av. i kosm. no. 5:39-40 My '67.

Wings of our country have strengthened this way, Av. i
kosm. no. 5:43-44 My '67.

RUSSIA—AIR FORCE—OFFICERS

Air fighters of the revolution, Av. i kosm. no. 5:41-43
My '67.

RUSSIA—ARMY—POLITICAL ACTIVITY (Continued)
The party committee of a regiment and the squadron party organizations V Tsyplakov Komm Vooruzh Sil 48 no. 9 41-45 My '67.
To decide means to act, V. Tkachenko, Komm. Vooruzh, Sil 48 no. 11, 67-71 Je '67.

RUSSIA—ARMY—RECORDS AND CORRESPONDENCE

Letters are sent to the wrong place, P. Ampalov, Komm. Vooruzh, Sil 48 no. 11 40-41 Je '67.

RUSSIA—ARMY—SONGS AND MUSIC

The song "In White Spruces" was composed I. Oshanin, Sovetsk 49 no. 113 Ja '67.

RUSSIA—ARMY—SUPPLIES AND STORES

Palatka of the work of the party central of the company of the administration of Army change enterprises Komm Vooruzh Sil 48 no. 10 81-86 My '67.

RUSSIA—CENSUS

Improving control measures in the forthcoming census of the population K. Shishkin Vest stat no. 5 10-31 '67.

RUSSIA—COMMERCE

The "Nergomasheksport" has great prospects I. Kletov Vesh torg 17 no. 4 17-19 '67.

Foreign exchange terms in contracts with the firms of capitalist countries I. P. Ryslov Vesh torg 17 no. 4 56-59 '67.

Gogol', B. I., and V. I. Moskvyn, eds. [Economics of Soviet trade for students of trade-economics and accounting-economics faculties] Ekonomika sovetiskol torgovli dlia studentov torgovo-ekonomicheskogo i ucheto-ekonomicheskogo fakul'tetov Moskva, Pt 1 Chs. 1-5, 1962, 160 p.

The postwar trade with the countries of the west IU Kapelinski Vesh torg 17 no. 1 7-12 '67.

RUSSIA—COMMERCE—EUROPE, EASTERN

Technical servicing B. Kalinin Vesh torg 17 no. 1 20 21 '67.

The U.S.S.R. trade with socialist countries, N. Baturin, Vesh torg 47 no. 5 3-8 '67.

RUSSIA—COMMERCE—EUROPE, WESTERN

Deal of large orders, Vesh torg, 17 no. 5 42 '67.

RUSSIA—COMMERCE—HUNGARY

In the interest of fraternal peoples G. Boldizhar Vesh torg 47 no. 4 27-29 '67.

RUSSIA—COMMERCE—MALAYSIA

Negotiations and agreements, Vesh torg, 17 no. 5 61-64 '67.

RUSSIA—COMMERCE—PAKISTAN

Trade turnover with Pakistan expands N. Kuznetsov, F. Uricz Vesh torg 47 no. 1 31-32 '67.

RUSSIA—COMMERCE—TURKEY

Trade agreement with Turkey has been signed IU. Peltchuk, Vesh torg 17 no. 1 32-33 '67.

RUSSIA—COMMERCIAL POLICY

Legal contents of the decree on the nationalization of foreign trade I. Kovan Vesh torg 17 no. 4 13-14 '67.

RUSSIA—DESCRIPTION

Heroic cities, Sov voia 49 no. 3 24-25 F '67.

The oldest in a family of equals V. I. Kochemassov, Sov, voia 49 no. 3 20-23 F '67.

RUSSIA—ECONOMIC CONDITIONS

The alliance of workers and peasants is the foundation of the Soviet regime and a guarantee for the invincibility of our Armed Forces V. Karpushenko Komm Vooruzh, Sil 49 no. 9 72-78 My '67.

The banner of the fight for communism, V. Stepakov, Agitator no. 5 3-12 Mr '61.

Brief news on the preparations for the anniversary, Agitator 35 no. 10 9-11 My '67.

Brief news of the preparations for the anniversary Agitator 35 no. 11 6-7 Je '67.

Falsifiers from "Business Week" IA. Ioffe, Nov vrem, 25 no. 26 16-19 Je '67.

Lenin's ideas live and win, Ekon. i zhizn' 9 no. 4 3-7 Ap '67.

The new will grow and conquer, M. Vistinskii, Agitator no. 12 21-24 Ju '61.

The plans of the party put into practice, Agitator no. 24: 7-9 D '61.

To new boundaries, L. Nikitin, Agitator no. 4 30-42 F '61.

Under the leadership of the party to a common goal, V. Kochemassov, Komm. Ukr., 41 no. 5 12-20 My '67.

We must be truthful and honest, Agitator no. 12 3-8 Je '61.

We must fight radically against conservatism, Agitator no. 4 7-8 F '61.

The whole nation is preparing for the congress N. Kondakova, Agitator no. 6 18-21 Mr '61.

Years of struggles and victories, Komm. Ukr., 41 no. 5 86-89 My '67.

RUSSIA—ECONOMIC POLICY

Dubrovskii, IU. N. [Technological progress concerns everybody] Tekhnicheskii progress - delo kazhdogo, Moskva, Gos. izd-vo polit. lit-ry, 1961, 54 p. (Ekonomicheskie nauki - rabochim) (CLU)

Economy and economic science at the present stage of the building of communism, S. B. Baishchev, Probl. sov. oboz. Kazakh. no. 2 3-35 '66.

A million of the economic reform L. B. Bman, V. m. k. knig no. 3 8-9 '67.

The national economic balance as a general model of the reproduction of the means of production I. Malyshev Vest stat no. 5 11-23 '67.

On the basis of Lenin's ideas, B. Mitoshchenko, Plan khoz., 14 no. 6 3-13 Ju '67.

The Plenum is discussing the problems of the economic reform Part. zhizn' no. 11 63-64 Je '67.

The present-day Soviet state; decisions of the 23d Congress of the CPSU on its further consolidation, M. Sokolov, Komm. Vooruzh, Sil 48 no. 11 72-77 Ju '67.

Rates of development and national economic proportions in 1966-1967, P. Kiylov, Plan khoz., 14 no. 6 26-35 Je '67.

Rzhnevskii, V. A. [Labor in the new five-year plan] Trud v novoi platiletke, Moskva, Ekonomika, 1967, 88 p.

To new boundaries, L. Nikitin, Agitator no. 1 39-42 F '61.

We must select and train higher officials and specialists in the national economy the best possible way, K. Katushev Part. zhizn' no. 10 21-29 My '67.

[We should contribute to the solution of problems in the building of communism; a visual aid based on the materials of the plenary session of the Central Committee of the CPSU in September 1965] Na uveren' zadach kommunisticheskogo stoitel'stva; nagladnoe posobie po materialam sentabir'skogo (1965 g.) Plenuma TsK KPSS, [Moskva, Politizdat, 1965] 10 plates in portfolio (Vremia i sobytia, no. 1) (CSI-II)

RUSSIA—FEBRUARY REVOLUTION, 1917

From the February Revolution to the October Uprising: recollections of participants in revolutionary events Vop. ist., 42 no. 5 95-109 My '67.

An important landmark in the struggle for the revolutionary soldiers, F. I. Mukhov, Vop. ist. KPSS II no. 6 84-91 Je '67.

March and April of 1917: documentary materials Sov. arkh. no. 2 2-22 '67.

Prompts to Russia, Reminiscences A. M. Kollental Sov. arkh. no. 2 23-33 '67.

Russia's financial situation on the eve of the October Revolution, A. P. Pogrebinskii, Vop. ist., 42 no. 5 3-14 My '67.

The "Anarist plot" on the eve of the February Revolution, V. S. Diakin, Trudy LOI AN SSSR no. 8 363-369 '67.

RUSSIA—FOREIGN ECONOMIC RELATIONS—BALTIC STATES

Konferentsiia po istorii ekonomicheskikh svyazei Priбалтi-ki Rossii. [Abstracts of papers and reports of the Conference on the History of Economic Relations between the Baltic States and Russia] Tezisy dokladov i soobshchenii. Riga, Zinatne, 1966, 73 p.

RUSSIA—FOREIGN ECONOMIC RELATIONS—ITALY

Soviet-Italian trade: an interview with Luigi Crosi, Nov. vrem, 25 no. 26 31-32 Je '67.

RUSSIA—FOREIGN RELATIONS

Chronicle of great accomplishments (to be continued), Vest. stat. zhizn' 14 no. 6 150-153 '67.

The Great October Socialist Revolution and the formation of the new international law G. I. Tankin, Izv. vye. ucheb. zav. prav. no. 1 10-28 Ja-F '67.

The Great October Socialist Revolution and the world politics, I. Lamin, Mir, ekon. i mezhdunar. otn. no. 6 3-17 '67.

Lenin's theory of international relations and reality of foreign policy, V. Isacitan, Mezhdunar. zhizn' 14 no. 6 68-76 '67.

The People's Commissariat of Foreign Affairs started this way, S. Zernitskii, A. Sergeev, Mezhdunar. zhizn' 14 no. 6 86-94 '67.

RUSSIA—FOREIGN RELATIONS—AFGHANISTAN

Tested by time, Nov. vrem, 25 no. 24 1 Je '67.

RUSSIA—FOREIGN RELATIONS—BULGARIA

Martynenko, A. K. [Russian-Bulgarian relations in 1894-1920] Russko-bolgarskie otnosheniia v 1894-1902 gg. [Kiev] Izd-vo Kievskogo univ., 1907, 205 p.

The Soviet-Bulgarian treaty, Nov. vrem, 25 no. 21: 3 My '67.

RUSSIA—FOREIGN RELATIONS—EUROPE, WESTERN

Lenin and Genoa and Rapallo N. Ljubimov Vesh torg 47 no. 4 4-6 '67.

RUSSIA—FOREIGN RELATIONS—FRANCE

Soviet-French collaboration; agreements and prospects, G. Vasil'ev, Mezhdunar. zhizn' 14 no. 6 153-155 '67.

RUSSIA—FOREIGN RELATIONS—GERMANY, EAST

A treaty of fraternal friendship Nov. vrem, 25 no. 25 9-10 Je '67.

RUSSIA—FOREIGN RELATIONS—IRAN

The ideas of equality in action D. Kasatkina, Az. i Afr. seg. 10 no. 6 2-4 Je '67.

RUSSIA—FOREIGN RELATIONS—UNITED STATES

In the interest of peace, Agitator no. 12 7-8 Ja '61.

RUSSIA—HISTORIOGRAPHY

Soviet trade unions of the 1920's and early 1930's in post-war Soviet historiography, V. P. Ivanov Vop. ist., 12 no. 5 437-443 My '67.

RUSSIA—HISTORY

Autocratic rule and the op. technina, some results of Russian political development during the op. technina, R. G. Skrynnikov, Trudy LOI AN SSSR no. 8 60-99 '67.

Brief notes Vop. ist. 42 no. 5 172-176 My '67.

Kokman, IU. R. [Socioeconomic history of the Russian city, the second half of the 18th century] Sotsial'no-ekonomicheskaiia istoriia russkogo goroda, vtoraiia polovina XVIII veka, Moskva, Nauka, 1967, 333 p.

Policy of the Russian Government and the government arbiters, V. G. Chernikina, Trudy LOI AN SSSR no. 8 197-238 '67.

The Russian Government and St. Petersburg workers in the first half of the 18th century, L. N. Semenova, Trudy LOI AN SSSR no. 8 127-167 '67.

Skrynnikov, R. G. [Early history of the Oprichnina] Na-chalo oprichniny. [Leningrad] Izd-vo Leningr. univ., 1900, 416 p.

The "Anarist plot" on the eve of the February Revolution, V. S. Diakin, Trudy LOI AN SSSR no. 8 363-369 '67.

The Uglich case of 1591, O. A. Iakovleva, Uch. zap. CHIMU ALIE no. 29 255-258 '65.

Zemskii Sobor in 1575 and the partial revival of the oprichnina, V. I. Kozetskii, Vop. ist., 42 no. 5 32-50 My '67.

The Zemskii Sobor of "reconciliation" in 1549 and some problems of local government, the path of administrative reforms, N. E. Nosov, Trudy LOI AN SSSR no. 8 5-68 '67.

RUSSIA—HISTORY—BIBLIOGRAPHY

Russia (U.S.S.R.) [Sobremennye gosudarstvennyi istoricheski arkhi v Leningrade] [Documents of the Central State Historical Archives of the U.S.S.R., on works of Soviet researchers, a bibliographic index] Dokumenty TsGIA SSSR v rabotakh sovetiskikh issledovatel', bibliograficheskii ukazatel', Leningrad, No 2, [Books, articles, and publications in Russian, 1958-1962] Knigi, stat'i i publikatsii na russkom iazyke, 1958-1962 gg., 1960, 320 p.

RUSSIA—HISTORY—ETHNOLOGICAL

A discussion on the work of this periodical, Vop. ist. KPSS II no. 6 150-152 Je '67.

List of themes for dissertations for the degree of Doctor of Historical Sciences on the subject: "History of the CPSU" defended at uchilnyy councils and approved by the Higher Certifying Commission in 1957-1966, Vop. ist. KPSS II no. 6 152-154 Je '67.

RUSSIA—HISTORY—SOURCES

Amilov, G. N. [New documents on Russia at the end of the 16th and beginning of the 17th century] Novee dokumenty o Rossi konca XVI-nachala XVII v. [Moskva] Izd-vo Mosk. univ., 1907, 540 p.

RUSSIA—HISTORY—MILITARY

Conception and development of radio engineering troops, N. A. Ananinovich, Vest. protivovozd. obor. no. 1 88-91 Ja '67.

Roll-call, A. Kvir, V. Okladch, V. Chekomasov, Sov. voia 49 no. 3 4-6 F '67.

RUSSIA—INDUSTRIES

Dubrovskii, IU. N. [Technological progress concerns everybody] Tekhnicheskii progress - delo kazhdogo, Moskva, Gos. izd-vo polit. lit-ry, 1961, 54 p. (Ekonomicheskie nauki - rabochim) (CLU)

Falsifiers from "Business Week" IA. Ioffe, Nov. vrem, 25 no. 26 16-19 Je '67.

Pogosov, I. A. [Cost indices of industrial production] Stoitimnye pokazateli promyshlennoi produktii, Moskva, Statistika, 1967, 125 p.

Problems in the theory of the comprehensive development of industry, V. Boratynskii, Ekon. Rad. Ukr., 10 no. 5 427 My '67.

Rates and proportions of industrial development, T. A. Ashimbayev, Probl. sov. ekon. Kazakh. no. 2 68-92 '66.

The Soviet Union is a powerful industrial state L. Volodarskii Vest stat no. 5 3-13 '67.

Take a look at the map of Russia, Komm. Ukr., 41 no. 5 21-20 My '67.

Work results of industrial enterprises changed over to the new system of planning and economic stimulation in 1966 Vest. stat no. 5 91-95 '67.

- RUSSIA—INDUSTRIES—EXHIBITIONS**
 The 1967 Spring 1967 V. Agapov Voen. list. 47
 no. 5:12-15 Je '67
- RUSSIA—LITERATURE—HISTORY AND CRITICISM**
 The 1967 Soviet Union Conference on Literary Relations of the People of the USSR I. Vakhrenko
 Vest AN SSSR 37 no. 3:25-28 Mr '67
- RUSSIA—MANUFACTURES—FINANCE**
 The 1967 Soviet Union Conference on Consumer
 Goods I. Vakhrenko Vest AN SSSR 37 no. 3:25-28
 Mr '67
- RUSSIA—MILITARY POLICY**
 V. I. Lenin in the defense of the socialist fatherland.
 I. Pavlov. Voen.-ist. zhur. 9 no. 4:1-14 Ap '67.
- RUSSIA—NAVY**
 On the 1967 ship, in naval units and divisions from reports
 of our correspondents Mor. shor. 50 no. 6:10-14
 Je '67
 On the watch for peace an article dedicated to the Army-
 Navy Day, Z. Ostro. Agitator no. 3:15-16 Ja '67
- RUSSIA—NAVY—HANDBOOKS, MANUALS, ETC.**
 Developing manuals for operational-tactical calculations
 with the help of electronic computers K. M. Yakimov
 Mor. shor. 50 no. 6:34-41 Je '67
- RUSSIA—NAVY—MEDALS, BADGES, DECORATIONS,
 ETC.**
 Firsts in the Soviet Navy Mor. shor. 50 no. 1:21-23
 Ja '67
- RUSSIA—NAVY—OFFICERS**
 Independence should be cultivated in commanding
 officers. G. F. Golota, M. D. Iskenderov, I. L. Ryss
 Mor. shor. 50 no. 3:48-53 Mr '67
 It is time to lighten the work load of navigators A. P.
 Andreev Mor. shor. 50 no. 6:65-68 Je '67
 The manner of work of an officer V. I. Pivov Mor.
 shor. 50 no. 6:49-53 Je '67
 When dawn arrives A. Fedoruk, Sov. voln. 49 no. 2
 4-5 Ja '67
- RUSSIA—NAVY—PERSONNEL MANAGEMENT**
 Improvement of working conditions of personnel A. A.
 Miroshchenko, P. I. Logunov Mor. shor. 50 no. 1
 51-52 Ja '67
- RUSSIA—NAVY—POLITICAL ACTIVITY**
 The anniversary year. Mor. shor. 50 no. 1:3-6 Ja '67
 More attention to the small unit. N. S. Kaplunov, Mor.
 shor. 50 no. 1:40-45 Ja '67
 The soul of the Navy is on the screen E. A. Ermolin
 Mor. shor. 50 no. 6:27-33 Je '67
 Submariners complete A. A. Siagaev Mor. shor. 50
 no. 6:53-57 Je '67
 Work of naval museums in propaganda of revolutionary
 and combat traditions I. M. Kuleshov Mor. shor. 50
 no. 3:23-29 Mr '67
- RUSSIA—NAVY—RADIOMEN**
 Operator and technician V. I. Ermolenko, Mor. shor.
 50 no. 1:45-48 Ja '67
- RUSSIA—NAVY—SEA LIFE**
 A house is as strong as its masters G. Babkin Sov.
 voln. 48 no. 23:46-47 D '66
 On board ships, in naval units and divisions, from reports
 of our correspondents. Mor. shor. 50 no. 3:14-17 Mr
 '67
 Sea, I love you I. Chumakov Sov. voln. 49 no. 11:8
 Je '67
- RUSSIA—NAVY—TARGET PRACTICE**
 Calculating probability of target location by raiding forces
 B. G. Kholmikov, Mor. shor. 50 no. 3:58-61 Mr '67
- RUSSIA—NAVY—TECHNOLOGICAL INNOVATIONS**
 Black Sea innovators. V. Podzorov, V. Smirnov Tekh. i
 voeruzh. 25 no. 12:68-70 D '66
- RUSSIA—POLITICS AND GOVERNMENT**
 [Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved.
 Verkh. Sov. RSFSR 11 nos. 24, 26-29 Je-Jl '67.
 [Gazette of the Supreme Soviet of the U. S. S. R.] Ved.
 Verkh. Sov. SSSR 30 nos. 26-30 Je-Jl '67.
 Jurisdiction, structure, and the procedure of establish-
 ment of the administrative commissions of the execu-
 tive committees of the district and city soviets of
 workers' deputies. R. F. Vasil'ev. Vest. Mosk. un.
 Ser. 12; Pravo 22 no. 3:54-64 My-Je '67.
 The present-day Soviet state decisions of the 23d Con-
 gress of the CPSU on its further consolidation.
 M. Sokolov, Komm. Vooruzh. Sil 48 no. 11:72-77 Je '67.
 We should improve the work of soviets in village and
 settlements O. Bychev, Rad. pravo 30 no. 5:25-28
 My '67.
- RUSSIA—RELATIONS (GENERAL) WITH BULGARIA**
 Meeting of metallurgists in Sofia. I. I. Kostukov, TSvet.
 met. 40 no. 5:89-91 My '67.
- RUSSIA—RELATIONS (GENERAL) WITH CUBA**
 Delegation of the Academy of Sciences of the U. S. S. R.
 to the Republic of Cuba, at the conference of the
 representatives of the academies of sciences of socialist
 countries. N. M. Emanuel', G. A. Tsypkin, G. I. Rakh-
 manov. Vest AN SSSR 37 no. 3:25-28 Mr '67
- RUSSIA—RELATIONS (GENERAL) WITH CZECH-
 OSLOVAKIA**
 "Soviet-Czechoslovak friendship" a collection of
 documentary materials M. V. Suslov Sov. akh.
 no. 2:87-89 '67
- RUSSIA—RELATIONS (GENERAL) WITH EAST GER-
 MANY**
 Ten years of creative friendship between Soviet and East
 German historians. V. B. Chernov, Vop. ist. KPSS 11
 no. 6:142-145 Je '67.
 Visit of scientists of the German Democratic Republic
 to the Soviet Union I. I. Kulikov Vest AN SSSR
 37 no. 3:219-220 Mr '67.
- RUSSIA—RELATIONS (GENERAL) WITH FOREIGN
 COUNTRIES**
 Present-day international contacts of the U. S. S. R. and
 Uzbekistan A. Khalmuratov Sbor. rab. asp. TashGU
 no. 234:183-192 '64.
 Worldwide brotherhood of cities V. Zaitsev Mol. komm.
 no. 5:117-119 '67
- RUSSIA—REVOLUTION, 1917-1921—ANNIVERSARIES,
 ETC.**
 At the First Congress of the Seamen of the Russian Navy.
 S. Baranov. Voen.-ist. zhur. 9 no. 5:61-75 My '67.
 Bykhovskii, I. A., and D. I. Volnolovich. [V. I. Lenin and
 the Baltic sailors] V. I. Lenin i ballijskie moriaki.
 Leningrad, 1967. 39 p.
 A calendar of the Great October Revolution. Komm. Ukr.
 41 no. 5:84-86 My '67.
 Children of the October Revolution. A. Kazantsev.
 Sem. i shkola 22 no. 5:2-3 My '67.
 A conference devoted to the Great October Revolution.
 V. L. Ilyev. Vop. ist. KPSS 11 no. 6:137-140 Je '67.
 Dedicated to the leader of the revolution, the creators of
 the new life. V. mire knig no. 3:8-7 '67.
 Destruction of the counterrevolutionary General Head-
 quarters in 1917 Kh. I. Muratov. Uch. zap. CHIMIALIE
 no. 29:105-126 '65.
 Egorova, A. G. [The working class during the Great
 October Socialist Revolution] Rabochii klass v Yellkol
 Oktiabr'skoi sotsialisticheskoi revoliutsii. Moskva,
 Znante, 1967. 42 p. (Novye v zhlznl, nauke, tekhnike.
 i Seria istoria, 6)
 The first tribunal in Petrograd (conclusion). F. Kamen-
 skii. Sots. zakon. no. 5:19-22 My '67.
 From the February Revolution to the October Uprising,
 recollections of participants in revolutionary events.
 Vop. ist. 42 no. 5:95-109 My '67.
 From the storming of the Winter Palace to the storming
 of the Reichstag Vest. protivovozd. obr. no. 5:3-7
 My '67.
 Growing influence of the Bolsheviks upon the masses of
 soldiers on the eve of the October Revolution. P. Golub.
 Voen.-ist. zhur. 9 no. 5:3-18 My '67.
 Heroes of the civil war. Voen.-ist. zhur. 9 no. 4:48-53
 Ap '67.
 History of training the military reserves during the civil
 war. P. Dmitriev. Voen.-ist. zhur. 9 no. 5:92-97 My
 '67.
 Literature on the heroic defense of Odessa. G. Koltunov,
 A. Seltanichev. Voen.-ist. zhur. 9 no. 5:79-85 My
 '67.
 "Make room for the soviets." G. Grebennikov Mol.
 komm. no. 5:5-14 '67.
 The October Revolution and the governmental apparatus
 V. M. Lennot. Vest. Mosk. un. Ser. 12; Pravo 22 no. 2:
 3-12 My-Je '67.
 [The October Revolution at the front lines, reminiscences]
 Oktiabr' na fronte; vospominaniia. Moskva, Voenizdat,
 1967. 291 p.
 The party was an organizer of the victorious uprising.
 The great victory. Vop. ist. KPSS 11 no. 6:16-34 Je
 '67.
 People with sun in their hearts. I. Saifonova V. mire knig
 no. 3:13 '67.
 The People's Commissariat of Foreign Affairs started
 this way... S. Zarnitskii, A. Sergeev. Mezhdunar.
 zhizn' 14 no. 6:88-94 '67
 Preparing the revolutionary forces for the armed
 uprising V. Miroshchenko Komm. Vooruzh. Sil
 48 no. 12:8-15 Je '67
 The problem of the immediate revolutionary situation
 and the category of the nationwide crisis. B. P. Kondrat'-
 ev. Vop. ist. KPSS 11 no. 6:102-107 Je '67.
 Radio chronicle of 1919. Sov. radio i tel. 16 no. 3:31 Mr
 '67.
 Triumph of Lenin's immortal teachings. N. V. Cherepanin.
 Vop. ist. KPSS 11 no. 6:133-137 Je '67.
 Weapons for the revolution. V. Dem'ianov, Tekh. i
 voeruzh. 25 no. 11:10-15 N '66.
- With fiery words and personal examples. I. Stavitskii
 Agitator 35 no. 11:18-19 Je '67.
 Work of the Commission for the Collection and Study of
 Materials of the October Revolution and History of the
 Communist Party. K. A. Ostukhova. Vop. ist. KPSS
 11 no. 5:92-101 Je '67.
- RUSSIA—REVOLUTION, 1917-1921—ANNIVERSARIES,
 ETC.**
 Brief news on the preparations for the anniversary.
 Agitator 35 no. 10:9-11 My '67.
 Educational lectures devoted to the 50th anniversary of
 the Great October Revolution. M. M. Lysenko. Rad. shk.
 46 no. 5:44-45 My '67.
 Entering the anniversary year. R. IA. Malinovskii. Sov.
 voln. 49 no. 1:2-3 Ja '67.
 Entering the anniversary year. Tekh. i voeruzh. 25
 no. 12:3-5 D '66.
 Lectures on the October Revolution. P. Tkachev Komm.
 Vooruzh. Sil 48 no. 9:64-67 My '67.
 On the threshold of the great holiday. N. V. Bogomolova.
 Vech. sred. shkola 10 no. 3:5-8 My-Je '67
 The philology department in preparation for the 50th
 anniversary of the October Revolution I. Zaonegin.
 Vest. Mosk. un. Ser. 10. Filol. no. 3:90-91 My-Je '67.
 Preparing for the fiftieth anniversary of the October
 Revolution Sov. voln. 49 no. 2:1 Ja '67.
 Toward the glorious anniversary. Shkola i protiv. 11
 no. 5:3-5 My '67.
 Toward the glorious 50th anniversary. Prof. i lekch. obr.
 24 no. 1:32 Ap '67
 Valuable reserves of initiative. I. Veresoka. Prof. i lekch.
 obr. 24 no. 4:4 Ap '67
 A worthy celebration of the anniversary. K. Abramov.
 Tyl. i snab. Sov. Voen. Sil 27 no. 5:17-18 My '67.
- RUSSIA—REVOLUTION, 1917-1921—CHRONOLOGY**
 A chronicle of heroic battles. Voen.-ist. zhur. 9
 no. 4:113-119 Ap '67.
- RUSSIA—REVOLUTION, 1917-1921—CZECH PARTICIPA-
 TION**
 Inspired by the October Revolution. Piantsek Kolar.
 Agitator 35 no. 11:22-24 Je '67.
- RUSSIA—REVOLUTION, 1917-1921—FOOD QUESTION**
 State deliveries of agricultural products during the first
 years of the Soviet regime. I. Pivov. Zakup. sel'-
 khoz. prod. no. 2:13-16 F '67.
 Years of the unprecedented strain. Zakup. sel'khoz.
 prod. no. 5:10-13 My '67.
- RUSSIA—REVOLUTION, 1917-1921—FOREIGN PARTICI-
 PATION**
 Anan'ov, V. I. [Friendship born in struggle] V bor'be
 rozhdennoe bratstvo. [Chelabinsk, Ruzhno-Ural'skoe
 knizhnoe izd-vo, 1966] 126 p.
- RUSSIA—REVOLUTION, 1917-1921—INFLUENCE AND
 RESULTS**
 International significance of the October Revolution and
 present-day ideological struggle. T. T. Timofeev.
 Vop. ist. KPSS 11 no. 6:3-16 Je '67.
 Polish historians prepare for the 50th anniversary of the
 Great October Revolution P. Losnovskii. Vop. ist. 42
 no. 5:201-204 My '67
- RUSSIA—REVOLUTION, 1917-1921—PERSONAL NAR-
 RATIVES**
 Polupanov, A. V. [Freedom or death] Svoboda ili
 smert'. Donetsk, Donbass, 1966. 245 p. (O vremeni
 i o sebe)
- RUSSIA—REVOLUTION, 1917-1921—PICTORIAL
 WORKS**
 Photographs published for the anniversary year. Agitator
 35 no. 10, 52 My '67.
- RUSSIA—REVOLUTION OF 1905**
 The revolution of 1905 was crushed, long live the re-
 volution. N. S. Tendilnik. Trudy Irk. un. 33:11-27 '61.
- RUSSIA—SOCIAL CONDITIONS**
 Falsifiers from "Business Week" I. A. Ioffe. Nov. vrom.
 25 no. 26:16-19 Je '67.
- RUSSIA—SOCIAL LIFE AND CUSTOMS**
 Kampars, P. P., and N. M. Zakovitch. [Soviet social
 customs] Sovetskaya grazhdanskaya obratnost'.
 Moskva, Mysl', 1967. 254 p.
 Lisavtsev, E. I. [New Soviet traditions] Novye sovetskie
 traditsii. Moskva, Sov. Rossiia, 1966. 165 p.
- RUSSIA—STATISTICS**
 Organization of accounting and statistics in 1918-1920.
 Vest. stat. no. 5:52-56 '67.
- RUSSIA—STATISTICS—CONGRESSES**
 Processing of a balance statement of the interbranch
 balance of production and distribution of products in the
 Union Republics in 1966 V. Vesiland, A. Volkov,
 V. Slutskii. Vest. stat. no. 9:84-88 1967

RUSSIA, ASIATIC—GEOLOGY, STRATIGRAPHIC

geologic-neogene continental sediments in the Asian part of the U.S.S.R., papers] Stratigrafiya i paleontologiya mezozoiskikh i paleogenenogenovykh kontinental'nykh otlozhenii aziatskoi chasti SSSR, [doklady] Leningrad, Nauka, 1967, 281 p.

RUSSIA, ASIATIC—PALEONTOLOGY, STRATIGRAPHIC

Mezozedimentatsionnoye soveshchanie po voprosam stratigrafii kontinental'nykh mezozoiskikh i kainozoiskikh otlozhenii aziatskoi chasti SSSR, Ist. Leningrad, 1965. [Stratigraphy and paleontology of Mesozoic and Paleogene-Neogene continental sediments in the Asian part of the U.S.S.R., papers] Stratigrafiya i paleontologiya mezozoiskikh i paleogenenogenovykh kontinental'nykh otlozhenii aziatskoi chasti SSSR, [doklady] Leningrad, Nauka, 1967, 281 p.

RUSSIA, ASIATIC—RUNOFF

Maps of minimal streamflow in the Asiatic territory of the U.S.S.R. V. A. Baranov, Z. I. Puterovskiy, L. N. Pecher, Trudy GGI no. 139 24-35 '67.
Natural flow of small rivers in the Asiatic territory of the U.S.S.R. A. M. Vladimirov, Trudy GGI no. 139 4-23 '67.
Variability of underground flow in the rivers of the Asiatic territory of the U.S.S.R. A. Z. Amus'ya and others Trudy GGI no. 139 53-78 '67.

RUSSIA, NORTHERN—ALLIUM—DISEASES AND PESTS
Reducing the buttoning of Allium fistulosum using maleic hydrazide in the Far North. G. F. Klechmar, Khim i sel'khoz, 5 no. 6 45-48 Je '67.

RUSSIA, NORTHERN—COOPERATIVE SOCIETIES

Trade in the north and its difficulties. G. Korobko, Sov. potrebn. koop. 11 no. 4 39-43 Ap '67.

RUSSIA, NORTHERN—ECONOMIC CONDITIONS

Scientific conference on the development and distribution of productive forces in the northern regions of the European part of the U.S.S.R. G. I. Gnanik, Izv. AN SSSR Ser. geog. no. 3 132-133 My-Je '67.

RUSSIA, NORTHERN—ECONOMIC POLICY—CONGRESSES

Development and distribution of production forces in the northern part of the European U.S.S.R. L. P. Altman, Vest LGU 22 no. 6 156-158 Mr '67.

RUSSIA, NORTHERN—FUR-BEARING ANIMALS

Quality of the semen of fur-bearing animals. E. K. Borozdin, L. R. Michurina, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:207-212 '66.

RUSSIA, NORTHERN—FUR FARMING

Some methods for increasing the productivity of fur farming in regions of the Far North. O. L. Rapoport, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:196-202 '66.

RUSSIA, NORTHERN—GAS, NATURAL—PIPELINES

Characteristics of planning, laying, and operating gas pipelines in northern regions of the U.S.S.R. S. V. Kozupasevich, P. P. Lel'man, M. O. Perepivnig, Gaz. prom. 12 no. 5 14-17 My '67.

RUSSIA, NORTHERN—ICE ON RIVERS, LAKES, ETC.

Altitude ice phenomena on the rivers of Northern Territory and possibilities of forecasting them. T. N. Makarevich, M. A. Aniskina, Z. A. Efimova, Trudy GGI no. 138 3-15 '67.

RUSSIA, NORTHERN—INSECTS, INJURIOUS AND BENEFICIAL

Testing repellents and insecticides for controlling blood-sucking insects in the Far North. V. D. Savel'ev, N. P. Mezenov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:67-79 '66.

RUSSIA, NORTHERN—LABOR LAWS AND LEGISLATION

New developments in legislation and normative acts. Sots. obesp. 42 no. 4 60-61 Ap '67.

RUSSIA, NORTHERN—PARASITES—REINDEER

Epizootiology of echinococcosis in reindeer. V. I. Mitkevich, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:107-11 '66.

Insecticides for the summer spraying of reindeer against warble flies. D. V. Savel'ev, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:67-68 '66.

Sarcocystis of reindeer heart. M. I. Klimontov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:101-105 '66.

Studying types of Monilia agents infesting reindeer. N. S. Semanova, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:113-116 '66.

RUSSIA, NORTHERN—RANGE FINDERS

Precision of field radar-range finder measurements in northern regions. V. V. Zlotin, Geod. i kart. no. 5 13-31 My '67.

RUSSIA, NORTHERN—REINDEER

Effect of tissue biostimulators on protein metabolism in reindeer. A. M. Sukov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:17-20 '66.

Morphological changes in the organs of reindeer during the injection of tissue preparations. K. I. Klimontov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:183-186 '66.

Seasonal changes in blood indices of reindeer. V. P. Afanas'ev, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:128-132 '66.

Trace element content in the organism of reindeer in fall and late winter period. F. M. Podkorytov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:133-138 '66.

RUSSIA, NORTHERN—REINDEER—ANATOMY

Morphological structure of the hoof of reindeer during seasons. N. S. Ereminov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:170-182 '66.

RUSSIA, NORTHERN—REINDEER—DISEASES AND PESTS

Agglutination titers in brucellosis of reindeer. V. A. Zabrodin, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:53-56 '66.

Antibiotics in nocardiosis of reindeer. B. V. Maslukhin, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:5-9 '66.

Duration of immunity in reindeer cured of foot-and-mouth disease. V. N. Borisov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:85-87 '66.

Effect of tetracycline on the reticuloendothelial system in reindeer. B. V. Maslukhin, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:67-170 '66.

Fall anthrax inoculation of reindeer. V. P. Zolotarev, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:89-91 '66.

Microflora of suppurative necrotic anthrax of extramittles in reindeer. Report No. 1. A. Kh. Lailshov, A. G. Maslukhin, M. I. Zharikova, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:20-31 '66.

Role of pasture conditions on the prophylaxis of necrobacillosis and bronchopneumonia in reindeer. V. S. Tachev, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:21-24 '66.

Surgical treatment of the suppurative arthritis of coffin joints in reindeer. A. Kh. Lailshov, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:25-28 '66.

Toxins of necrosis (briefly). Report No. 1. A. Kh. Lailshov, A. G. Maslukhin, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:33-35 '66.

Toxoplasmosis of reindeer. V. A. Zabrodin, L. A. Komleeva, Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:97-100 '66.

RUSSIA, NORTHERN—RETAIL TRADE—MANAGEMENT

More concern for the tollers of the Far North. V. Iazev, Sov. torg. 10 no. 5 9-11 My '67.

RUSSIA, NORTHERN—TOPOGRAPHICAL SURVEYING

From the experience of comprehensive work. D. V. Lashmanov, Geod. i kart. no. 4 10-11 Ap '67.

RUSSIA, NORTHWESTERN—COMBINES (AGRICULTURAL MACHINERY)

Increasing the separating capacity of the straw rack of the SK-4 combine. A. Shkol'nikov, Tekh. v sel'khoz. 27 no. 6 79-80 '67.

RUSSIA, NORTHWESTERN—HARVESTING MACHINERY

Selecting the efficient system for coupling mower-grain binders for the northwestern zone. N. M. Mitofanov, Trudy TSNIMESKII 3 96-105 '64.

RUSSIA, NORTHWESTERN—PEAS—HARVESTING

Pea harvesting by the pulling method without and with pruning of the stem in the northwestern zone. V. S. Sechkin, Trudy TSNIMESKII 3 131-138 '64.

RUSSIA, NORTHWESTERN—SOWING

Using X-rays in studying the process of sowing seeds. S. K. Zaleski, Trudy TSNIMESKII 3 149-157 '64.

RUSSIAN DRAMA—HISTORY AND CRITICISM

Heroic and patriotic subjects in the theater. IUR. Zubkov, Komm. Vooruzh. Sil 48 no. 11 85-91 Ja '67.

RUSSIAN DRAMA—STORIES, PLOTS, ETC.

"The sixth of July." N. Volkovich, Sov. rad. i tel. 16 no. 1 3-3, 35 Ja '67.

RUSSIAN LANGUAGE

El'mov, A. I. [History of the Russian literary language] Istoriya russkogo literaturnogo yazyka, Ed. 2., 12 pr. 1 dop. Moskva, Vysshaya shkola, 1967, 344 p.

RUSSIAN LANGUAGE—ACCENTS AND ACCENTUATION
Standards and variations of the accentuation based on verb material. N. K. Pivovarov, Nauch. dokl. vys. shkoly; Filol. nauki 10 no. 3 14-22 '67.

RUSSIAN LANGUAGE—AFFIXES

Verbs with suffixes ending in -ova and their variations in the Russian literary language of the 18th century. T. A. Shapovalova, Uch. zap. Kost. gos. ped. inst. no. 9: 232-246 '63.

RUSSIAN LANGUAGE—CASE

The dative sympathicus in contemporary Russian and Lithuanian. J. Elzbutas, Nauch. dokl. vys. shkoly; Filol. nauki 10 no. 3 13-13 '67.

RUSSIAN LANGUAGE—CHRESTOMATHIES AND READERS

Gaiceva, M. M. [A collection of texts for reading for foreign students] Sbornik tekstov dlia chteniia dlia studentov-inostransev. Moskva, Vysshaya shkola, 1968, 231 p. (MIDW)

RUSSIAN LANGUAGE—DIALECTS

(see also subdivision under Irkutsk Province; Kostroma Province; Tom' Valley; Tomsk Province)
Methods of studying the characteristics of verb formation in the Russian dialects. O. M. Sokolov, Uch. zap. TGU no. 40 65-74 '62.

RUSSIAN LANGUAGE—DICTIONARIES—FRENCH

Gorokhov, P. K., ed. [Russian-French dictionary on radio electronics. Approximately 23,000 terms] Russko-frantsuzskii slovar' po radioelektronike. Okolo 23 000 terminov. Moskva, Sov. Entsiklopediia, 1967, 432 p.

RUSSIAN LANGUAGE—DICTIONARIES—ROMANIAN

Korotianu, N. G., and E. M. Russey, comps. [Russian-Romanian dictionary. Approximately 60,000 words] Russko-rumynskii slovar'. Okolo 60 000 slov. Izd. 2., perer. i dop. Moskva, Sov. Entsiklopediia, 1967 1056 p.

RUSSIAN LANGUAGE—FOREIGN ELEMENTS

Methodology of the study of borrowing: Russian lexicographical practice in the 18th century. I. A. Vasil'evskaya, Izv. AN SSSR Ser. lit. i yez. 26 no. 2 165-171 Mr-Apr '67.

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

A dictionary of winged and foreign words. Agitator no. 2 37 Ja '61.

A dictionary of winged and foreign words. Agitator no. 4 28 F '61.

A dictionary of winged and foreign words. Agitator no. 5 34 Mr '61.

A dictionary of winged and foreign words. Agitator no. 6 39 Mr '61.

A dictionary of winged and foreign words. Agitator no. 11: 34 Je '61.

A dictionary of winged and foreign words. Agitator no. 12 43 Je '61.

A dictionary of winged and foreign words. Agitator no. 22 38 N '61.

RUSSIAN LANGUAGE—GRAMMAR

Discussion of the prospects of the new "Grammar." Izv. AN SSSR, Ser. lit. i yez. 26 no. 1 95-97 Ja-F '67.

RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—KAZAKH

[Contrastive grammar of Russian and Kazakh; morphology] Sposlavitel'naya grammatika russkogo i kazakhskogo yazykov, morfologiya. [Alma-Ata] Nauka [1966] 457 p.

RUSSIAN LANGUAGE—LEXICOGRAPHY

Methodology of the study of borrowing. Russian lexicographical practice in the 18th century. I. A. Vasil'evskaya, Izv. AN SSSR, Ser. lit. i yez. 26 no. 2 165-171 Mr-Apr '67.

RUSSIAN LANGUAGE—MORPHOLOGY

"Modern Russian." Part 1: Morphology, syntax. IU. I. Gerner, Vest. Mosk. un. Ser. 10: Filol. no. 3 77-83 My-Je '67.

RUSSIAN LANGUAGE—NOUN

Selection of the inflection "u" in the genitive and locative cases in singular masculine nouns. N. I. Kironova, Izv. AN SSSR, Ser. lit. i yez. 26 no. 1 52-57 Ja-F '67.

Some observations on compound nouns in the contemporary Russian language. K. B. Voronova, Trudy Irk. un. 26 67-85 '58.

RUSSIAN LANGUAGE—OLD RUSSIAN—CASE

Several changes in the verbal classes of the Old Czech language, based on materials of the monuments of the late 18th and early 19th centuries. I. S. Shuliko, Vest. Mosk. un. Ser. 10: Filol. no. 3 47-59 My-Je '67.

RUSSIAN LANGUAGE—OLD RUSSIAN—DICTIONARIES

Two remarks on the proposed "Old Russian Dictionary." R. A. Budagov, Vest. Mosk. un. Ser. 10: Filol. no. 3 73-76 My-Je '67.

Vinogradova, V. L., comp. [A reference dictionary for the "Lay of the host of Igor"] Slovar' spravochnik "Slova o polku Igorve." Leningrad, Nauka. No. 2. D-Kop'e. 1967, 213 p.

RUSSIAN LANGUAGE—ORTHOGRAPHY

Observations on the orthography and phonetic structure of the business documents of the office of il'm vovodas in the late 17th and early 18th centuries. K. D. Novoselova, Trudy Irk. un. 26 211-223 '58.

RUSSIAN LANGUAGE—PHONOLOGY

On the development of the phonetic structure of the Russian language in the 19th century. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

The phonetic structure of the Russian language. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

The phonetic structure of the Russian language. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LANGUAGE—PHONOLOGY

On the phonetic structure of the Russian language. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LANGUAGE—PROGRAMMED INSTRUCTION

Experience in preparing the programmed material for a Russian language course. *Vopr. lingv.* no. 4 (1967) 103-105.

RUSSIAN LANGUAGE—PUNCTUATION

Smolina, M. M. [Exercises on punctuation for the 8th grade. A manual for students.] *Tetrad' po punktuatsii dlia VIII klassa, posobie dlia uchashchikhsia*, Leningrad, Prosveshchenie, 1965, 114 p. (NIC)

RUSSIAN LANGUAGE—SENTENCES

Characteristics of constitutive types of simple sentences in contemporary Russian. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Chomskii, K. S. [Some types of Russian complex sentences and the apperceptive constructions of the Kirghiz language, a textbook for teachers, philology students, and translators.] *O nekotorykh tipakh slozhnykh i apperceptivnykh predlozhenii russkogo iazyka i sootvetstvuiushchikh im konstruktsiakh v kirgizskom iazyke, posobie dlia uchitel'ev, studentov-filologov, perevodchikov*, Frunze, Kirgizskoe gos. uchebno-pedagog. izd-vo, 1964, 81 p. (NU)

RUSSIAN LANGUAGE—STUDY AND TEACHING

Improving the educational process, work experience of Georgian teachers. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Iadzhinskaya, T. A., and M. T. Baranov. [Characteristics of the language of student expositions.] *Osobennosti iazyka uchenicheskikh izlozhenii*, Moskva, Prosveshchenie, 1965, 105 p.

Purtseladze, S. D. [Fundamentals in methods of teaching the Russian language in Georgian 8-year schools, a reading.] *Osnovy metodov prepodavaniia russkogo iazyka v gruzinskoi vospitatel'skoi shkole, chitanie*, Tbilisi, Ganatleba, 1966, 234 p.

Some observations on the mastering of the Russian language by the Tatars in the surroundings of the Russian military units. *O tatarskoi shkole, chitanie*, Tbilisi, Ganatleba, 1966, 234 p.

The teaching of the Russian language under conditions of the co-existence of dialects of Tatar Province. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Types of exercises in Russian. *G. N. Shapochkina*, *Vopr. lingv.* no. 4 (1967) 103-105.

The vocabulary of 7th grade students. *O A. Minukhina*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LANGUAGE—SYNONYMS AND ANTONYMS

Phrasological synonyms in the history of Russian. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LANGUAGE—SYNTAX

"Modern Russian," Part II. Morphology, syntax. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

Vasilenko, E. I., and V. V. Dobrovolskaya. [We are studying Russian, a textbook on Russian for foreign students.] *My izuchаем russkii iazyk; uchebnoe posobie po russkomu iazyku dlia studentov-inostrantsev*, Pod red. N. N. Belakovoi, [Moskva] Izd-vo Mosk. univ., 1967, 146 p.

RUSSIAN LANGUAGE—VERB

Methods of studying the characteristics of verb formation in the Russian dialects. *O M. Sokolov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Stamets and variations of the accentuation based on verb material. *N. K. Pugov*, *Nauk. dokl. vyssh. shkoly*, filol. nauk. no. 3 (1967) 22-27.

Verbs with suffixes ending in -ova and their variations in the Russian literary language of the 18th century. *T. A. Shapovalova*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LANGUAGE—VOCABULARY

under Siberia, Eastern

RUSSIAN LANGUAGE—WORD FORMATION

On the word formation in the contemporary Russian language. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN LITERATURE—HISTORY AND CRITICISM

A history of the Russian literature as a monument of literature. *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Feinberg, I. L. [History of one manuscript; stories of a literary critic.] *Istoria odnoi rukopisi; rasskazy literaturovedy*, Izd. 2, dop. Moskva, Sov. Rossiia, 1967, 171 p.

Let us take a more objective look. *G. Kucherenko*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Literary studies. *Vopr. lingv.* no. 4 (1967) 103-105.

Literary works of the first teachers of the children of the Permian family. *P. S. Belikov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

The origin of socialist realism, notes on the methodological questions, the history of literature criticism. *A. I. Zhukov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Oskotskii, V. D. [Paths of research and discoveries, the contemporary no. 1] *Puti issledovaniia i otkrytiia, o sovremennom literaturnom iskusstve*, Moskva, Znanie, 1967, 46 p. (Novoe v zhizni, nauka, tekhnika, Seriya Literatura, 6)

RUSSIAN LITERATURE—STUDY AND TEACHING

Discussion of the new school textbooks on literature. *E. Trubnikov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Experience in the usage of practical studies in the "History of Russian literature of the 19th century" course in the pedagogical institute. *D. G. Kulbas*, *Nauk. dokl. vyssh. shkoly*, filol. nauk. no. 3 (1967) 22-27.

The question of formation of aesthetic judgment and appraisal in senior students. *L. M. Zhelezova*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Senior students are reading contemporary literature. *G. M. Volynikova*, *Sov. pedagog.* no. 5 (1967) 143-150.

RUSSIAN NEWSPAPERS

[See also subdivision under Transcaucasia]
"Pravda" in Simbirsk. *G. A. Sazonov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.
Was the newspaper "Volnoe slovo" an organ of agents provocateurs from the "Slavicheskaya družina"? *B. V. Ivanov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

Years of the unprecedented strain. *Zap. set'khov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] *Let. gaz. st.* no. 5 (1967) *Vspomogatel'nye ukazatel'i k nos. 1-3 za 1967 g.*

RUSSIAN PERIODICALS

Periodicals of the S. M. Kirov Order of Lenin Naval Academy during the first years of Soviet power. *G. V. Tshernomir*, *Voen.-morsk. zh.* no. 5 (1967) 143-150.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] *Let. zhur. st.* nos. 23-26, 28 (1967) *Vspomogatel'nye ukazatel'i k nos. 40-52 za 1966 g.*

RUSSIAN PHILOLOGY

Meeting of the Commission on the History of Philological Science. *V. Stepanov*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN PLATFORM—GAS, NATURAL—GEOLOGY

Cardinal problems of the stratigraphy and oil and gas potentials of Permian and Triassic sediments in the southeastern part of the Russian Platform. *G. Zh. Zholtacev*, *Izv. AN Kazakh. SSR Ser. geol.* no. 3 (1967) 85-86.

RUSSIAN PLATFORM—GEOLOGICAL TIME

Age and conditions governing the formation of iron ore stratum in Vysok-Kama Depression of Russian Platform. *V. P. Naborsheikov*, *S. G. Dubelkovskii*, *Lit. i pol. iskop.* no. 2 (1967) 101-102.

RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

Cardinal problems of the stratigraphy and oil and gas potentials of Permian and Triassic sediments in the southeastern part of the Russian Platform. *G. Zh. Zholtacev*, *Izv. AN Kazakh. SSR Ser. geol.* no. 3 (1967) 85-86.

Correlation of Pre-Devonian sediments of eastern and central regions of Russian Platform. *Z. P. Ivanova*, *Trudy VNIIGI* no. 51, 6-13 (1966).

Middle Jurassic continental sediments of the Glazovsk syncline of the Russian Platform. *P. V. Ivashov*, *Soob. DVFAN SSSR* no. 24, 69-71 (1965).

RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL

Quantitative evaluation of the role of tectonic and sedimentation factors in the formation of local uplifts. *R. O. Khachatryan*, *A. M. Shurygin*, *Izv. N. Baturin*, *Dokl. AN SSSR* no. 148, 181-184 (1967).

RUSSIAN PLATFORM—IRON ORES

Age and conditions governing the formation of iron ore stratum in Vysok-Kama Depression of Russian Platform. *V. P. Naborsheikov*, *S. G. Dubelkovskii*, *Lit. i pol. iskop.* no. 2 (1967) 101-102.

RUSSIAN PLATFORM—OSTRACODA, FOSSIL

Zone of mixed fauna of Ostracoda in Tatar stage of Russian Platform. *Z. D. Belousova*, *T. V. Makarova*, *Trudy VNIIGI* no. 51, 251-258 (1966).

RUSSIAN PLATFORM—PALEONTOLOGY, STRATIGRAPHIC

Correlation of lower horizons of Middle Devonian sediments in central and eastern regions of Russian Platform. *A. D. Arkhangelskii*, *Trudy VNIIGI* no. 51, 48-49 (1966).

RUSSIAN PLATFORM—PALYNOLOGY

New data on age of Upper Nary series in northeastern margin of Russian Platform. *E. D. Shepelova*, *Trudy VNIIGI* no. 51, 20-21 (1966).

RUSSIAN PLATFORM—PETROLEUM GEOLOGY

Cardinal problems of the stratigraphy and oil and gas potentials of Permian and Triassic sediments in the southeastern part of the Russian Platform. *G. Zh. Zholtacev*, *Izv. AN Kazakh. SSR Ser. geol.* no. 3 (1967) 85-86.

RUSSIAN PLATFORM—VOLCANIC ASH, TUFF, ETC.

Pyroclastic material in Late Jurassic sediments of the Russian Platform. *N. V. Hengstenberg*, *K. I. Kuznetsov*, *Dokl. AN SSSR* no. 6, 122-125 (1967).

RUSSIAN POETRY—HISTORY AND CRITICISM

About a certain "direction" in poetry. *Sergei Vikalov*, *Otklady* no. 41 no. 2 (1967) 219-220.

Charmed by the North. *V. Kuznetsov*, *B. Pityaev*, *Mol. komm.* no. 5 (1967) 54-56.

Fight under one roof. *I. Vasileva*, *Mol. komm.* no. 5 (1967) 60.

The riddle and the riddle verse of Soviet poets and the evolution of Russian verse. *M. I. Gagarin*, *Vop. iz.* no. 3 (1967) 54-56.

The poetry of criticism. *Edvard Stokhlev*, *Otklady* no. 44 no. 4 (1967) 217-218.

Vasil'ev, S. A. [Prose about poetry; articles, reminiscences, and literary portraits.] *Proza po poezii; stat'i, vospominaniia, portrety*, Moskva, Sov. phantel', 1967, 342 p.

RUSSIAN POETRY—STUDY AND TEACHING

Developing feelings and thought in students during class-work on expressive reading of lyric works. *A. P. Kozlovich*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN PROSE LITERATURE—HISTORY AND CRITICISM

Egorov, L. P. [The romantic trend in Soviet prose.] *O romanticheskom techenii v sovetskoi proze*, *Slavia-pol'*, 1966, 131 p.

Inventing contemporary. *A. Vlasenko*, *Otklady* no. 44 no. 5 (1967) 219-220.

RUSSIAN PROSE LITERATURE—STUDY AND TEACHING

Study of narrative prose works in the fifth grade of an eight-year school. *V. V. Trofimova*, *Izv. AN SSSR Ser. lit. i yez.* no. 2 (1967) 3-5.

RUSSIAN SOCIAL DEMOCRATIC PARTY

An important landmark in the struggle for the revolutionary soldiers. *P. I. Mukhin*, *Vop. iz. KPSS* no. 6, 84-91 (1967).

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Struggle for the adoption of the Marxist-Leninist program at the Second Congress of the Russian Social Democratic Party. *I. V. Glinzhinskii*, *Sov. iab. asp. TashGU* no. 254, 10-11 (1964).

RUSSIAN STUDIES

see subdivision under Yugoslavia

RUSSIAN THISTLE

see subdivision under Tajikistan

RUSSO-JAPANESE WAR, 1904-1905—NAVAL OPERATIONS

Heroes of the torpedo boat "Sierguashchii". *A. M. Ivanov*, *Sudostroenie* no. 3, 70-71 (1967).

RUTHENIA

see Transcaucasia

RUTHENIUM COMPOUNDS

Cyanation of ruthenium salts. *A. N. Neamenov* and others, *Izv. AN SSSR Ser. khim.* no. 4 (1967) 937-938.

RUTHERFORD, ERNEST RUTHERFORD, 1871-1937

Stavrosel'skii, N. K. [Ernest Rutherford, 1871-1937.] *Ernest Rutherford, 1871-1937*, Moskva, Nauka, 1967, 315 p. (Nauchno-biograficheskii seriya)

RUTILE

see subdivision under Kokchetav Upland

- FUTEN**
Fruit content dynamics in leaves of promising mulberry varieties G. M. Tatyshinski, G. M. Tatyshinski, Dokl. AN Azerb. SSR 23 no. 1 63-66 '67
- RYAZAN—MACHINERY INDUSTRY WORKERS**
Alekandr Moskvina and his helpers. Sov. profsoyuz 23 no. 8 20-31, 33-34 Ap '67
- RYAZAN—TEXTILE INDUSTRY—MANAGEMENT**
Comments of success. P. P. Dvashenko. NTO 9 no. 1 27-28 Ap '67.
- RYAZAN PROVINCE—AGRICULTURAL CREDIT**
Funding on collective farms and bank credit. V. Koch-lyrev. Plan khoz. 41 no. 6 60-63 Je '67
- RYAZAN PROVINCE—ANTIQUITIES**
Artifacts found from the ancient settlement of Staraya Ryazan in 1966. V. P. Dakevich, A. I. Mongait. Sov. arkheol. no. 2:211-223 '67.
- RYAZAN PROVINCE—COLLECTIVE FARMS—FINANCE**
Funding on collective farms and bank credit. V. Koch-lyrev. Plan khoz. 41 no. 6:110-113 Je '67
- RYAZAN PROVINCE—COLLECTIVE FARMS—PENSIONS**
Tells how collective farm counsels work. Sots. obshch. 42 no. 5 16-17 My '67.
- RYAZANSK DISTRICT—COLLECTIVE FARMS—PENSIONS**
Cool agricultural wages given. D. Khomov. Sots. obshch. 42 no. 5:15-16 My '67.
- RYE—FERTILIZERS AND MANURES**
The effectiveness of supplementary nitrogen fertilizers for winter rye in relation to the humus content in soil. E. L. Trigoletov, T. I. Ivanova. Khim. v sel. khoz. 5 no. 2:53-58 '67.
- RYE BREEDING**
Two species types in diploid and tetraploid rye and quantitative cytophotometric study of the DNA. I. A. Makhmalatova, I. P. Lyubsk. Vses. i. gen. 1 no. 3:51-55 My-Je '67.
- RYEGRASS**
Secondary herbicides for controlling hard ryegrass in flax fields. G. N. Makhmalatova. Khim. v sel. khoz. 5 no. 5:33-40 '67.
- RYKOVA, TAMARA GEORGIEVNA, d. 1906**
T. G. Rykova: an obituary. Med. paraz. i. praz. bol. 36 no. 3 372 My-Je '67
- SACROCOCCYGEAL REGION—DISEASES**
Comparing the demoid cyst of the sacrococcygeal region and the osteopneumatous space. A. V. Abashidze, T. I. Ikenadze. Vest. khim. 98 no. 4:126-127 Ap '67.
- SAFFRON**
New spice from the whole blossoms of saffron. I. I. U. K. Khomov, L. S. Gerasimova. Khim. i. kond. prom. 11 no. 5 11-15 My '67.
- SAMARA CANAL**
Sea route of friendship. O. P. Maslennik. Morsk. flot 27 no. 4 11-12 Ap '67.
- SAKHALIN—EVENING AND CONTINUATION SCHOOLS**
A word about pedagogical tact. L. S. Nagornykh. Vech. stud. shkola 10 no. 3 34-39 My-Je '67.
- SAKHALIN—GAS, NATURAL—GEOLOGY**
Results of prospecting for oil and gas in Sakhalin. I. A. Zaitseva, O. O. Shcheremeta. Geol. nef. i. gaz. 11 no. 4 21-32 Ap '67
- SAKHALIN—LEPTOSPIROSIS**
Leptospirosis in animals in Sakhalin. E. A. Kurbanov, V. G. Kurbanov, Zhur. mikrobiol., epid. i. imm. 44 no. 6:50-62 Je '67.
- SAKHALIN—PETROLEUM GEOLOGY**
Results of prospecting for oil and gas in Sakhalin. I. A. Zaitseva, O. O. Shcheremeta. Geol. nef. i. gaz. 11 no. 4 23-32 Ap '67.
- SAKHALIN—SOIL MICRO-ORGANISMS**
Micro-organisms oxidizing iron and manganese in soils of southern Sakhalin. Ten Khuk-muu. Mikrobiologiya 36 no. 2 337-344 Mi-Apr '67.
- SAKHALIN GULF REGION—GEOMORPHOLOGY**
Basic characteristics of the geomorphology of the continental coast of the Sakhalin Gulf. O. K. Leonov, V. A. Logov, S. A. Lukhanova. Izv. AN SSSR Ser. geog. no. 3:70-86 My-Je '67.
- SAKI (UKRAINE)—CHEMICAL INDUSTRIES**
Saki chemists' contribution to the national economy. Khim. prom. Ukr. no. 5:1-3 S-O '66.
- SAKI (UKRAINE)—HEALTH RESORTS, WATERING PLACES, ETC.**
Brusilovskiy, I. A., and V. N. Miloslavskiy. [Saki, regional study] Saki; kraevyeheskiy ocherk. [Izd. 2, tsipr. i. dop.] Simferopol, "Krym," 1967. 87 p.
- SAL'E, GEORGH ALEKSANDROVICH, 1907-**
60th birthday of G. A. Sal'e. Tekh. kino i. telev. 11 no. 5 96 My '67
- SALICYLIC ACID**
Synthesis of dialkyl-substituted methyl ester of salicylic acid. R. I. Fedorova, Z. G. Kustanovich, V. I. Isagulyants. Zhur. prikl. khim. 40 no. 3 631-635 Mi '67
- SALINE AND ALKALI SOILS** see subdivision under Azerbaijan, Danube Valley
- SALINE AND ALKALI SOILS—TESTING**
Studying the strength of salted soils of motor roads. I. U. V. Butitskiy. [Sbor.] Kom. po zem. pol. no. 6 102-104 '66
- SALINE WATERS—DEMNERALIZATION**
Batter desalting units for fishing vessels. V. I. Nilov. Ryb. khoz. 13 no. 5 27-28 '67.
- Soilpion units for water demineralization. R. G. Gal'perina, B. A. Minkus. Khel. tekhn. 44 no. 5 11-17 My '67
- SALINOMETER**
Balancing of bridge networks with provision of a uniform scale for salinometers. Elek. stn. 38 no. 5 51-54 My '67
- SALMONELLA**
Comparative significance of immunogenic characteristics of the attenuated strains of Salmonella ovis. B. A. Matvienko, M. A. Kozhebaev. Vest. sel. khoz. nauki [Kazakh.]. 10 no. 5 60-65 My '67
- Immunity to Salmonella infection; experimental study. Report No. 3: Dynamics of forming 19S and 7S antibodies and specific resistance in immunization with cellular components of Salmonella typhimurium. E. S. Stanislavskiy, N. G. Fish, Zhur. mikrobiol., epid. i. imm. 44 no. 6 10-15 Je '67.
- Survival of Salmonella typhi in external environment. A. A. Ponomareva, M. A. Bessonova, O. I. Guenko, Zhur. mikrobiol., epid. i. imm. 44 no. 6:133-134 Je '67.
- Use of Salmonella typhi Vi-antigen for the immunization of preschool-age children. G. P. Lalalov and others. Zhur. mikrobiol., epid. i. imm. 44 no. 6:65-66 Je '67.
- SALMONELLA—CULTURES AND CULTURE MEDIA**
Obtaining of adsorbed agglutinating Salmonella O-sera. G. I. Rodionova. Trudy Mosk. nauch.-issl. inst. v. k. i. yv. 17 171-176 '61
- SALMONELLA—PHYSIOLOGY**
Characteristics of auxotrophic guanine-dependent mutants of Salmonella typhimurium. V. N. Tkachenko, Zhur. mikrobiol., epid. i. imm. 44 no. 6:21-25 Je '67.
- SALMONELLA INFECTIONS**
Autocontrol in the process of antibody formation. Report No. 1: Effect of passively introduced 7S and 19S antibodies on antibody formation in immunization with Vi-antigen of Salmonella typhi. V. I. Levenson, E. V. Chernokhovskaya, Zhur. mikrobiol., epid. i. imm. 44 no. 4 30-34 Ap '67.
- Immunity to Salmonella infection; experimental study. Report No. 2: O-antibodies (19S and 7S) and resistance to the O-strain of the typhoid bacillus. E. S. Stanislavskiy, N. G. Fish, V. I. Lalalov, Zhur. mikrobiol., epid. i. imm. 44 no. 1:20-28 Ap '67.
- SALT**
Binary compound of glucose with sodium chloride. I. E. Salyoviy. Zhur. prikl. khim. 40 no. 3 691-695 Mi '67.
- Determination of sodium chloride content in technical surface active substances. I. U. N. Volkov, L. N. Kulda. Masl.-zhir. prom. 33 no. 3 41 Ma '67.
- Incidence of arterial hypertension among persons using water with increased content of sodium chloride. M. I. Fatula. Sov. med. 36 no. 5 114-136 My '67
- Interaction in the system NaCl - CrCl₃. A. I. Efimov, I. I. Kozhina, E. K. Lupenko. Vest. LGU 22 no. 4:138-139 P '67.
- SALT—EFFECT ON PLANTS** see Plants, Effect of salt on
- SALT DEPOSITS**
Depths of haloid basins of geological past. A. A. Ivanov. Lit. i. pol. lekop. no. 2:16-20 Mi-Apr '67.
- Experience in planning and constructing underground storage reservoirs for liquefied petroleum gases in rock salt deposits. I. P. Zakutskiy, O. M. Ivantsov, V. A. Mazurov. Gaz. prom. 12 no. 5 32-33 My '67.
- Possibility of evolution of petroleum in sediments of saltiferous bodies of water. R. G. Pankina, S. P. Maksimov. Geol. nef. i. gaz. 11 no. 5:28-31 My '67
- Respublikanskiy seminar po promyshlennym zhidkostiam pri boreni v solenosnykh olozheniyakh, [Summaries of reports of the Republic Seminar on Drilling Fluids for Use in Salt-Bearing Deposits] Tezisy dokladov. Kiev, Naukova dumka, 1967. 35 p.
- SALT DOMES**
Geobotanical showings of buried forest forms on one of the salt domes. I. I. Nurinambetov, G. M. Potapova. Izv. AN Kazakh. SSR Ser. geol. 24 no. 3 71-75 My-Je '67.
- SALTING-OUT**
Comparative characteristics of the salting-in and salting-out action of potassium nitrate in aqueous solutions of formic, acetic, propionic and butyric acids. I. Ciparis, R. Adomas, Izv. v. ucheb. zav. Khim. i. khim. tekhn. 10 no. 2 166-162 '67
- SALT PETER, EFFECT OF RADIATION ON**
Effect of temperature on the radiolysis of solid potassium nitrate in the presence of admixtures. V. M. Lykhin, V. V. Boldyrev. Khim. v. energ. 1 no. 1 260-263 My-Je '67
- SALTS**
Distribution of precipitated salts in reservoir in mixing of waters. E. A. Voroshilov, T. I. Dzhalilov, N. G. Samedov. Azerb. nef. khoz. 16 no. 5:25-27 My '67.
- SALTS IN SOILS** see Soils, Salts in
- SALVAGE (WASTE, ETC.)** see subdivision under Moscow Province
- SALYANY STEPPE—HUMUS**
Study of the relationship between absorption capacity and mechanical composition and content of humus as exemplified by soils of Salyany Steppe. E. I. Alekperova. Izv. AN Azerb. SSR Ser. biol. nauk. no. 6 99-105 '66.
- SAMARA BEND—BRACHIOPODA, FOSSIL**
Upper Carboniferous Brachiozoa of Samara Bend. V. A. Prokofiev. Trudy VNIIGI no. 51:229-231 '66.
- SAMARKAND—TECHNICAL EDUCATION**
Dictated by life. S. Sotolova. Agitator no. 12:49 Je '61.
- SAMARKAND PROVINCE—ANTIQUITIES**
A Samarkand-type burial near Samarkand. O. V. Obel'schenko. Sov. arkheol. no. 2 181-187 '67.
- SAMARKAND PROVINCE—EXCAVATIONS (ARCHAEOLOGY)**
Dating the early layers of Fall-Bazru Hill. B. IA. Stavitskiy. Sov. arkheol. no. 2 22-28 '67
- SAMARKAND PROVINCE—ROAD CONSTRUCTION**
Carrying out the program of rural road construction. L. N. Fienk. Avt. dor. 30 no. 4 30 Mi '67
- SAMET' (KOSTROMA PROVINCE)—COLLECTIVE FARMS**
Lights of Samet'. I. U. Leskov, G. Nikitash. Tekh. v. sel. khoz. 27 no. 5 16-20 '67
- SAMUR-DIVICH CANAL REGION—SEDIMENTS (GEOLOGY)**
Ancient marine accumulative for 18 in the shore area of the Samur-Divich Lowland. L. G. Nikiforov, S. A. Lukhanova. Vest. Mosk. un. Ser. 5 Geog. 22 no. 2 99-102 Mi-Apr '67
- SAN VALLEY—SOILS**
Soil types of the landforms of the San Valley. A. V. Kostuchenko. Visnyk 1 v. un. Ser. geog. no. 4 41-43 '66.
- SAN JOSE SCALE—EXTERMINATION**
San Jose scale eliminated. D. A. Shefel. Zashch. rast. 12 no. 5:50-51 '67.
- SANATORIUMS**
(see also subdivision under Issyk-Kul District)
Results of studying the effectiveness of sanatorium and health resort treatment. V. V. Poltoranov. Vop. kur., fizioter. i. lech. fiz. kul't. 32 no. 2:156-160 Mi-Apr '67.
- SANATORIUMS—EMPLOYEES** see subdivision under Moscow Province
- SANATORIUMS—MANAGEMENT** see subdivision under Sochi
- SANCTIONS (LAW)**
Imposition of civil law sanctions upon the persons who gain the unearned income by exploiting their property. V. P. Grishanov. Vest. Mosk. un. Ser. 12: Pravo 22 no. 3: 13-25 My-Je '67.
- SAND**
Methodology of compiling, processing, and using data on wind regimes in sandy deserts. A. V. Gvozdkov. [Sbor.] Kom. po zem. pol. no. 6 113-121 '66.
- SAND, FOUNDRY—ADDITIVES**
Automatic equipment for the preparation of liquid binders. V. B. Voronovich, A. R. Malkovich. Lit. i. otz. no. 4 8-9 Ap '67.
- Automatic proportioning of pulverized bakelite. M. M. Budylin. Lit. i. prot. no. 5 10-11 My '67.

- SAND AND GRAVEL INDUSTRY** see subdivision under Kazakhstan
- SANDSTONE**
Sandstone extension and compression diagrams, I. S. Butskan, Izv. Vsesoyuzn. nauch. issled. inst. geol. i tekhn. no. 1:24-34, 1967.
- SANDWICH CONSTRUCTION**
Thermal stresses in a cylindrical sandwich shell of finite length, V. P. Kargin, Izv. V. I. Inzh. i tekhn. no. 5:35-60, 1967.
- SANDY SOILS** see subdivision under Meshchera Lowland
- SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES** see subdivision under Rostov-on-Don
- SANITATION, HOUSEHOLD**
Shafir, A. I. [Household sanitation] Gigiena zhilishcha, Moskva, Znaniye, 1967, 31 p.
- SANTA MARIA (STEAMSHIP)**
The tyranny of St. Lazar under attack, S. P. K. Agitator, no. 5:55-56, 1967.
- SAP**
Study of bleeding sap of grapevine, F. S. Avundzhin and others, Fiziol. i biokh. no. 3:405-414, 1967.
- SARPOZHNIKOV, IURII SERGEEVICH, 1897-**
Professor I. S. Sarpozhnikov on his 70th birthday, Sud. i med. ekspert. no. 2:63, 1967.
- SARANA (SVERDLOVSK PROVINCE)—CHROMITE**
Beneficiation of Sarana deposit chromites, V. V. Khachin, R. L. Gafdulhaev, Ogneupor. 32 no. 4:19-21, 1967.
- SARANSK—INDUSTRIAL MANAGEMENT**
Work training, G. Popov, Part. zhizn. no. 11:56-58, 1967.
- SARATOV—AUTOMOBILES—MAINTENANCE AND REPAIR**
History of a recommendation, R. N. Poluev, I. Avtomob. no. 9 no. 4:44-45, 1967.
- SARATOV—BEARING INDUSTRY**
What hinders the use of statistical control, M. Naldenov, Stand. i kach. 31 no. 5:75-76, 1967.
- SARATOV—BEARING INDUSTRY—RELIABILITY**
Increasing the durability and reliability of bearings, A. F. Malyushin, Stand. i kach. 31 no. 5:72-74, 1967.
- SARATOV—CLOTHING INDUSTRY—QUALITY CONTROL**
Introducing the flawless production system in the enterprises of light industry, E. A. Engubarian, Stand. i kach. 31 no. 4:12-13, 1967.
- SARATOV—ECONOMICS—STUDY AND TEACHING**
Our political economy study room, O. Kozhevnikov, Nauch. dokl. vys. shkoly, ekon. nauki, 10 no. 6:79-81, 1967.
- SARATOV—LOCOMOTIVES—MAINTENANCE AND REPAIR**
System of flawless production and delivery at the "Saratov" locomotive depot of the Volga Railroad, S. V. Solov'ev, Stand. i kach. 31 no. 4:14-15, 1967.
- SARATOV—MACHINE-TOOL INDUSTRY—QUALITY CONTROL**
Improving the quality of machine tools and the technology of production, P. S. Golov, Stand. i kach. 31 no. 4:16-17, 1967.
- Manufacture of milling machines based on the system of flawless production, N. I. Miroshnichenko, G. S. Grebeniuk, Stand. i kach. 31 no. 4:19-20, 1967.
- Work of the technical control section under conditions of the system of flawless production, A. A. Popov, Stand. i kach. 31 no. 4:21, 1967.
- SARATOV—MACHINE-TOOL INDUSTRY—RELIABILITY**
Work of the reliability service, B. V. Pribytkov, Stand. i kach. 31 no. 4:18-19, 1967.
- SARATOV—SLAVIC STUDIES**
Saratov students of Slavic languages prepare for the Second International Congress of Slavists, B. A. Zil'boit, Sov. slav. no. 3:117-118, 1967.
- SARATOV HYDROELECTRIC POWER STATION**
Saratov hydroelectric power center on the Volga River, N. Shekhtman, Rech. trauz. 26 no. 3:33-36, 1967.
- SARATOV PROVINCE—ANISOPHIA—EXTERMINATION**
Tactics in controlling the grain beetle Anisoplia austriaca, K. P. Grivanov, Zashch. rast. 12 no. 5:33-34, 1967.
- SARATOV PROVINCE—GAS, NATURAL—GEOLOGY**
Objectives of gas prospecting in regions situated along the gas pipeline from Soviet Central Asia to Central Russia, P. M. Bystritskaya and others, Gaz. prom., 32 no. 5:35-38, 1967.
- SARATOV PROVINCE—GEOLOGY, STRUCTURAL**
Tectonics of the Saratov-Volgograd portion of the Volga Valley, I. F. Levin, Izv. AN SSSR, Ser. geol. no. 5:103-110, 1967.
- SARATOV PROVINCE—OIL WELL CASING**
Running 325 mm casing to a depth of 3765 m, I. E. Blizhin and others, Burenie, no. 4:18-21, 1967.
- SARATOV PROVINCE—OIL WELL CEMENTING**
Running 325 mm casing to a depth of 3765 m, I. E. Blizhin and others, Burenie, no. 4:18-21, 1967.
- SARATOV PROVINCE—OIL WELL DRILLING**
Experience in using diamond bits in areas of "Saratov-neftegaz" Combine, E. M. Skomorokhin, V. A. Shibanov, Burenie, no. 4:13-18, 1967.
- SARATOV PROVINCE—PALEONTOLOGY, STRATIGRAPHIC**
Malinova superhorizon in sections of Carboniferous in Volgograd-Saratov portion of Volga Valley, G. M. Idrisov, A. S. Melnikova, Trudy VNIIGM, no. 51:160-167, 1967.
- SARBAI REGION (KAZAKHSTAN)—STRIP MINING—MANAGEMENT**
Selecting the system of working two deposits in one open-pit mine field, K. A. Kumachev, Zap. LGI, 52 no. 1:12-15, 1967.
- SARCOLYSINE**
Synthesis of potentially antitumoral preparations, V. G. Numeis, V. I. Rybakova, E. G. Sochilin, Zhur. ob. khim., 37 no. 4:814-817, 1967.
- SARCOSPORIDIA**
Sarcocysts of reindeer heart, M. I. Klimontov, Trudy Nauch. iissl. inst. sel'khoz. Krain. Sev., 13:101-105, 1966.
- SARDINES**
(see also subdivision under Atlantic Ocean)
Some characteristics of smoking sardine, V. P. Skachkov, Ryb. khoz. 43 no. 5:53-56, 1967.
- SARMATIAN SWORDS** see Swords, Sarmatian
- SARPA LOWLAND—SOILS, SALTS IN**
Soil balance of Solonchak soils under rice in the Sarpa Lowland, A. A. Popov, N. E. Varlamov, B. M. Zhukov, Pochvoed. no. 5:131-137, 1967.
- SATELLITES, ARTIFICIAL** see Artificial satellites
- SATIRE**
Faulstich review by D. D. Minaev, The "Diary of an uneducated man" I. I. Guseva, Uch. zap. MGPI, no. 213:232-250, 1967.
- The satirical poem of D. D. Minaev "Evgenii Onegin of our time" I. I. Guseva, Uch. zap. MGPI, no. 213:251-272, 1967.
- SATKA (CHELYABINSK PROVINCE)—MAGNESITE**
Preparing Satka magnesite in an electric field, A. N. Lyman', A. A. Volchanetskii, Trudy inst. ognep. no. 32:99-115, 1962.
- SATKA (CHELYABINSK PROVINCE)—REFRACTORY MATERIALS**
Preparing low-fired magnesites by size, T. I. Iakovleva, A. N. Lyman', Trudy inst. ognep. no. 32:57-77, 1962.
- SAUR RANGE—SPRUCE**
Picea shrenkiana Fish. et. Mey in Saur Mountains, I. I. Popov, Priroda, no. 5:106-107, 1967.
- SAUREL** see subdivision under Black Sea
- SAURY**
(see also subdivision under Pacific Ocean)
Efficient management of lighting equipment on ships used in saury fishing, I. I. Sidel'nikov, Trudy VNIRO, 61:191-196, 1966.
- SAUSAGES**
Recommending new output norms for sausage products, A. Gol'tsyzn., Mias ind. SSSR, no. 5:40-41, 1967.
- SAUSAGES—STORAGE**
Sausage frames from round iron, F. Kamarskii, Mias ind. SSSR, 38 no. 5:26-27, 1967.
- SAVINGS BANKS**
(see also subdivision under Kazakhstan)
Savings banks in the anniversary year, P. Chetverikov, Den. i kred., 25 no. 4:3-9, 1967.
- SAVINGS BANKS—MANAGEMENT** see subdivision under Perm Province; Zaporozhye
- SAVINO (IVANOVO PROVINCE)—SUGAR—ANALYSIS AND TESTING**
From the laboratory practice, S. T. Kozhemiakin, Sakh. prom., 41 no. 6:30-31, 1967.
- SAVVA, 1174-1235**
Several changes in the verbal classes of the Old Czech language, based on materials of the monuments of the late 18th and early 19th centuries, I. S. Shulko, Vest. Mosk. un. Ser. 10, Filol., no. 3:47-50, 1967.
- SAWFLIES—EXTERMINATION**
Use of the biological preparation beauverin combined with hexachloran in controlling the apple sawfly Hoplocampa testudinea, I. U. A. Karabash, Zashch. rast. [Kiev], no. 1:24-28, 1967.
- SAWWORT**
Review of the subgenus Amphilaena (Stachegl.) Lipsch. of the genus Saussurea DC, S. I. U. Lipschits, Bot. zhur., 52 no. 5:651-665, 1967.
- SAXIFRAGACEAE** see subdivision under Maritime Territory
- SAYAN MOUNTAINS—FOREST ECOLOGY**
Relicts of nemoral flora in forests of the Western Sayan, D. I. Nazimova, Lesovedenie, no. 3:76-88, 1967.
- SAYAN MOUNTAINS—GEOLOGICAL TIME**
Age of igneous rock formations of the Sayan-Balkal mountain region, V. A. Dvorkin-Samarskii, G. I. Tugovik, Trudy BKNII, 22:16-28, 1966.
- SAYAN MOUNTAINS—GEOLOGY**
Pavlenov, L. M. [Basic features of the Pre-Cambrian structure of the Eastern Sayan Mountains] Osnovnye cherty dokembrijskoi struktury Vostochnogo Saiana, Moskva, Nauka, 1967, 143 p.
- SAYAN MOUNTAINS—GOLD ORES**
Gold potential of placer deposits in southeastern part of the Eastern Sayan Mountains, V. A. Anan'in, Trudy BKNII, no. 21:105-113, 1966.
- SAYAN MOUNTAINS—LEAD ISOTOPES**
Isotopic composition of ore leads and characteristics of the formation of endogenic mineralization in the Altai-Sayan ore region, V. M. Kharovskii, A. A. Tychinskii, L. D. Shipilov, Geokhimiya, no. 5:621-632, 1967.
- SAZHIN, NIKOLAI PETROVICH, 1897-**
Nikolai Petrovich Sazhin's 70th anniversary, TSvetl. mel., 10 no. 1:71, 1967.
- SCAFFOLDING**
Improving the structure of exterior building-scaffolding, L. TS. Adlerstein, V. F. Sokolov, Stroyt. no. 57 no. 4:50-65, 1967.
- SCALES (FISHES)**
Evolution of scale cover of cultured carp, G. I. Smet. Izv. GosNIORKH, 61:102-110, 1966.
- Hydrodynamic role of fish squamatic integument as an analog of surfaces formed by turbulent current, Report No. 2, Hydrodynamic function of squamatic integument, A. F. Kudashov, V. V. Barenkov, Zool. zhur., 46 no. 4:556-566, 1967.
- SCALES (WEIGHING INSTRUMENTS)**
Automatic electronic crane scales, N. I. Frolov, Mekh. i avtom. no. 21 no. 5:37-39, 1967.
- Force measuring glassless relative lengthometer transducer for electronic crane scales, V. I. Pechuk and others, Mekh. i avtom. no. 2:50-52, 1967.
- SCANDIUM ALLOYS—MAGNETIC PROPERTIES**
Magnetic properties of scandium alloys, V. I. Checherov, A. V. Pochennikov, I. Pop. Izv. vyz. ucheb. zav., fiz., no. 4:112-141, 1967.
- SCANNING SYSTEMS**
New deflection system for a translated line scanning circuit, V. F. Samoilov, Tekhn. kino i telev., 11 no. 1:26-28, 1967.
- SCARABAEIDAE** see subdivision under Kwarel District
- SCATTERING (PHYSICS)**
Analog of the inverse problem in scattering theory for a non-self-adjoint operator, V. E. Liantse, Mat. sbor., 72 no. 4:537-557, 1967.
- Completeness of amplitudes in the theory of perturbations in amplitude space, D. I. A. Potrima, Ukr. mat. zhur., 10 no. 3:62-78, 1967.
- Lipkin, G. [Quark models and scattering at high energies. Translated from the English] Kvarkovye modeli i rasselanie pri vysokikh energiyakh, Kiev, Naukova dumka, 1966, 22 p.
- Multiple scattering of short waves by the system of interacting particles. Part II. Average field, A. G. Borovoi, Izv. vyz. ucheb. zav., fiz., no. 4:97-101, 1967.
- Regge trajectories in the theory of scattering, E. Sh. Tepilekii, Trudy Tbil. GU, no. 103:65-74, 1965.
- Stationary approach in the abstract theory of scattering, M. Sh. Birman, S. B. Ehtina, Izv. AN SSSR, Ser. mat., 31 no. 2:401-430, 1967.
- Using the method of complex angular momenta in the theory of diffraction scattering, R. I. Tishchenko, I. U. P. Mel'nik, Izd. fiz., 5 no. 5:1012-1020, 1967.

- SHALE** see subdivision under Baltic region
- SHALE OILS**
Role of oxygen-containing compounds in the process of cooking of shale oils. A. A. Agostolov, A. V. Kozhukovskiy, Zhur prikl khim 5 no. 3 652-655 Mr '67
- SHAMSHADIN DISTRICT—AGRICULTURE—ACCIDENTS**
Characteristics of traumatism among tobacco growers in Shamsadin District of the Armenian S.S.R. A. Kh. Zargarian, Zhur eksp i klin med 7 no. 1 95-97 '67
- SHATROV, MIKHAIL FILIPPOVICH, 1932-**
"The sixth of July." N. Volkovich Sov. rad. i tel. 16 no. 13-5 35 Ja '67
- SHAW, GEORGE BERNARD, 1856-1950**
B Shaw and the modern foreign drama. I. B. Kantorovich Nauch. dokl vyzh shkol, filol nauki 10 no. 3 76-88 '67
- SICHERBATOV, MIKHAIL MIKHAILOVICH, 1733-1790 Fedosov, I.A.** [From the history of Russian social thought of the 18th century. M. M. Shcherbatov] Iz istorii russkoi obshchestvennoi mysli XVIII stoletiya. M. M. Shcherbatov, [Moskva] Izd-vo Mosk. univ., 1967 258 p
- SHEAR (MECHANICS)**
Resistance to shearing as an index of wear resistance of cast-iron diesel shafts of motor-vehicle and tractor engines. I. A. Leushin, A. M. Petrichenko, L. A. Solntsev Avi transport [Kiev] no. 3 84-87 '66
- SHEARS (MACHINE TOOLS)**
Mechanizing alligator shears. G. N. Fedorenko Mekh i avtom protzv 21 no. 5 11 '67
Photoelectric system for longitudinal cutting of steel sheets. S. P. Cherniak Prib i sist avtom no. 2 83-86 '66
- SHEDEKNO DISTRICT—GRAIN TRADE**
Violation of assortment to violation of state discipline. N. Pashkov Zakup sel'khoz prod. no. 3 18-20 Mr '67
- SHEBELINKA GAS FIELD—LABOR PRODUCTIVITY**
Socialistic obligations of collective of workers, engineering and technical workers, and employees of Shebelinka Order of Lenin Gas Field Administration in honor of the 50th Anniversary of the Great October Socialist Revolution. Gaz. prom. 12 no. 3 12-13 Mr '67
- SHEEP**
(see also subdivision under Azerbaijan)
Effect of various cobalt compounds on protein metabolism in the organism of sheep. A. T. Pen'kova Khim, v sel'khoz. 5 no. 5 56-58 '67
- SHEEP BREEDING**
(see also subdivision under Alma-Ata Province)
Acquainting senior students with the work of sheep breeders. Sh. N. Tudunov, Shkola i protzv 10 no. 9 50-51 S '66
- SHEET SHEARING** see subdivision under Kazakhstan; Tasskuduk region (Kazakhstan)
- SHEET METAL—TESTING**
Determining dynamic limit of the yield of sheet metals by the data of tests of a strip for a lateral impact. A. V. Grushevskiy, B. A. Shegolev, T. A. Veina Mashinovedenie no. 7 96-103 My-Je '67
- SHEET METAL WORK**
Calculating forces in stamping the central part of bottoms with help of spherical die and matrix. I. S. Pobedin, A. D. Zverev Kuz.-stam protzv. 8 no. 4 25-28 Ap '67
Closed dies with a sliding backing for blank reduction. I. U. Averklev, Kuz.-stam. protzv. 9 no. 4 23-25 Ap '67
Ribs of stiffness in cold die-stamped parts. V. I. Kukhtarov, Kuz.-stam. protzv. 9 no. 5 25-27 My '67
- SHEET-METAL WORK—MODELS**
Lubchenko, A.A. [Modeling the process of hot sheet-metal work in production of large-size parts] Modelirovanie protsessov izgotovki gorizontal'nykh shampovki krupnobaritnykh izdelii. Leningrad, 1967. 54 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Seriya; Progressivnoe formoobrazovanie)
- SHEET METALWORKING MACHINERY**
Clamping force during deep drawing of large axially symmetric parts. D. E. TSivirko, I. P. Vedmed', V. I. Dubina, Kuz.-stam. protzv. 8 no. 5 20-23 My '67
Investigating power parameters in beading cylinders. V. K. Potapenko and others, Kuz.-stam. protzv. 9 no. 4 7-9 Ap '67
- SHEET STEEL**
Komanovskiy, A. Z., N. A. Troshchenkov, and V. S. Movshovich. [Production of alloyed cold-rolled sheets] Proizvodstvo legirovannykh kholodno-katnykh listov. Moskva, Metallurgiya, 1967. 158 p.
- SHEET STEEL—DEFECTS**
Eliminating emulsion pickup on the surface of cold-rolled sheets. R. A. Ksenyuk and others, Mel. i goinorud. prom. no. 2 87-89 Mr-Apr '67
- SHEET STEEL—HEAT TREATMENT**
Removal of nitrogen and carbon during high-temperature vacuum annealing of cold-rolled electrical steel. V. E. Kochkov, A. N. Morozov, R. B. Gershman, Teor i prak met no. 7 210-214 '67
- SHEET STEEL—WELDING**
Porosity of KhN10T-steel sheet joints made by argon arc welding. I. F. Kobylanskiy, V. D. Peshkhanov, Svar. protzv. no. 5 29-30 My '67
Selecting conditions of concurrent heating in welding VL-1D sheet steel. A. G. Smirnov, K. V. Ljubavskiy, Svar. protzv. no. 3 10-13 Mr '67
- SHELL MOLDING (FOUNDING)**
Casting copper alloys in shell molds made of metallic sand. A. A. Ryzhikov, Z. I. Ushkova, Lit. protzv. no. 5 32 My '67
- SHELLS (ENGINEERING)**
Bending of a tapered shell under the action of a random asymmetric load. T. V. Budnikova Trudy LPI no. 266 49-53 '66
Calculating spiral multilayer shell. I. U. M. Sagidaev, Prikl. mekh. 3 no. 5 61-68 My '67
Designing annularly ribbed spherical arched roofs with large span for wind load. A. A. Vscelyi, Prikl. mekh. 3 no. 5 98-103 My '67
- SHELLS (ENGINEERING)—TESTING**
Carrying capacity of welded junction of a thin-walled tank consisting of cylindrical and conic parts. O. N. Kondakova Trudy LPI no. 278 47-51 '67
- SHELLS (ENGINEERING)—WELDING**
Two-side welding of girth joints on shell with 200-250 mm diameter. G. K. Savinovskiy, Svar. protzv. no. 3 39 Mr '67
- SHEMYSHEYKA DISTRICT—MORDVIN LANGUAGE—DIALECTS**
Dialects of the Naskafym Mordvins. M. T. Bibin Uch. zap. Mord gos un. no. 43 19-159 '64
- SHEPETOVKA (UKRAINE)—SUGAR FACTORIES**
Glorious work traditions of the personnel of the Shepetovka Sugar Factory. S. F. Zhotudko, L. D. Matkatskii, Sakh. prom. 41 no. 5 8-10 My '67
- SHERRY** see subdivision under Azerbaijan
- SHEVCHENKO, TARAS MYKHOROVYCH, 1814-1861 Pravdyluk, O.A.** [T. H. Shevchenko and the musical folklore of the Ukraine] T. H. Shevchenko i muzychnyi folklor Ukrainy. Kyiv, Naukova dumka, 1966. 236 p.
- SHEVCHENKO (KAZAKHISTAN)—PLANTS, PROTECTION OF**
Controlling pests of cultivated vegetation in the city of Shevchenko, Mangyshlak Peninsula, I. N. Skopina, Vest. sel'khoz. nauki [Kazakh] 10 no. 2 102-104 F '67
- SHIELDING (ELECTRICITY)**
Homogeneously shielding thin ferromagnetic coatings. S. V. Zhukov Zhur. tekhn. fiz. 37 no. 8 1021-1024 Je '67
- SHIELDING (RADIATION)**
[Measurement of the dose field of mixed radiation behind a steel shielding] Izmereniya doznoy polia smeshannogo izlucheniya za stal'noi zaschitой. [By] M. Zel'chinskii i dr. [Dubna, 1967] 8 p.
Method for designing the shielding against gamma bremsstrahlung from beta-active isotopes. V. P. Nikitayev, Geofiz. app. no. 23 63-83 '65
Mikhailov, M. I., and L. D. Razumov. [Protection of cable communication lines from the effects of external electromagnetic fields] Zashchita kabel'nykh linii svyazi ot vliyaniya vneshnikh elektromagnitnykh polet. Moskva, Svyaz', 1967. 342 p.
- SHILKA VALLEY (CHITA PROVINCE)—GEOLOGY, STRUCTURAL**
Structural position of Jurassic intrusions in the Shilka-Angun' interfluvium. R. V. Lesniak, Izv. Zabaik. old. Geog. ob-va SSSR 1 no. 3 16-25 '65
- SHILOV, VLADIMIR**
The motto is cooperation. E. B. Sorokin, Vest. prosv. vozd. obor. no. 4 90-91 Ap '67
- SHILOVSKII, KONSTANTIN VASIL'EVICH, d. 1858**
First Russian specialists in hydroacoustics. I. I. Klukin, Sudostroenie 57 no. 5 71-74 My '67
- SHIP HANDLING**
An automation controls. Tekhn. i vooruzh. 25 no. 12 71 D '68
From experience in navigation and seamanship. Mor. sbor. 50 no. 6 69-73 Je '67
- From experience of navigation and seamanship. B. S. Berik, Mor. sbor. 50 no. 1 63-67 Ja '67
Hydrodynamic interaction of ships during overtaking. G. Kostylev, Mor. flot 27 no. 5 48 My '67
Problems in navigation. E. P. Churov and others, Mor. sbor. 50 no. 1 52-60 Ja '67
- SHIP MODELS**
At the sources of ship modelmaking. A. L. Larionov, Sudostroenie 57 no. 5 77-81 My '67
- SHIP MODELS—TESTING**
Perlin, A. A., M. K. Shalkin, and I. K. Khrushchev. [Testing the strength of ship structures on tensometric models] Issledovanie prochnosti sudovykh konstruktov na tenzometricheskikh modelnykh. Leningrad, Sudostroenie, 1967. 78 p.
- SHIP PROPULSION, ELECTRIC**
Akulov, I. U. L., and I. K. Golovin. [Electric propulsion machinery and its operation] Grebnye elektiricheskie ustanovki i ikh ekspluatatsiya. Moskva, Transport, 1967. 310 p.
Use of discharging devices in the testing of electric propulsion plants. F. M. Telegin, G. L. Papushenko, Sudostroenie 57 no. 4 47-49 Ap '67
- SHIP RESISTANCE**
Defining more precisely the coefficient of the residual resistance of the ship. G. I. A. TSivirko, Sudost. i mor. sbor. no. 2 75-77 '66
One characteristic of the integral of wave resistance. I. U. L. Vorob'ev, Sudost. i mor. sbor. no. 2 15-19 '66
- SHIP TRIALS**
Simultaneous mooring and sea trials of the "Bezhtes" type ships. S. Z. Ivanov, A. A. Pashnikov, Sudost. i mor. sbor. no. 5 66-68 My '67
- SHIPBUILDING**
Continuous time for the manufacture of plane sections. L. I. Birlukov, N. S. Lavinov, R. P. Drozdova, Sudostroenie 57 no. 5 60-64 My '67
Determining the economic effectiveness of explosive forming of hull structures. A. S. Rukhovich, Sudost. i mor. sbor. no. 2 173-178 '66
Recent developments in shipbuilding. Sudostroenie 57 no. 4 72 Ap '67
Scientific organization of work in ship outfitting. I. U. K. Dvoeglazov, Sudostroenie 57 no. 4 50-55 Ap '67
- SHIPBUILDING—EQUIPMENT AND SUPPLIES**
Improving the structure of exterior building-ship scaffolding. L. TS. Adler, Sholov, V. F. Sokolov, Sudost. i mor. sbor. no. 4 59-65 Ap '67
Piven, I. D., A. L. Bespalov, and V. A. Zhukharov. [Instruments for testing the strength and vibration of ships; recording and tensometric equipment. A reference manual] Pribory dlia issledovaniya prochnosti i vibratsii sudov; registriruyushchiye i tenzometricheskaya apparatura. Spravochnoe posobie. Leningrad, Sudostroenie, 1967. 198 p.
- SHIPBUILDING—LAWS AND REGULATIONS**
International habitability norms for ships. I. U. V. Istomin, Sudostroenie 57 no. 5 43-44 My '67
- SHIPBUILDING—TECHNOLOGICAL INNOVATIONS**
(see also subdivision under Azerbaijan; Odessa)
Some achievements of the production innovators at the I. I. Nosenko Shipyard. B. M. Fedulov, Sudostroenie 57 no. 2 73-75 F '67
- SHIPBUILDING MATERIALS**
Antifrictional alloy with a low lead content. I. F. Merkulov, Sudostroenie 57 no. 2 77-80 F '67
Technical consultation, Rech. i transp. 26 no. 3 50 '67
- SHIPBUILDING WORKERS**
(see also subdivision under Krasnoyarsk)
Where timber carriers are built. Sudostroenie 57 no. 3 50 Mi '67
- SHIPMENT OF GOODS**
Efficient distribution of cargo movement lines among the transshipment ports. V. Z. Annat'ina, Mor. prikl. nauch. trudy no. 2 8-15 '66
Raise the cargo handling and commercial operations to the level of new tasks. L. Dagrov, Rech. i transp. 26 no. 4 16-18 '67
- SHIPPING** see subdivision under Amur River; Dniester River; Irtysh River; Kama River; Moskva River; Ob' River; Oka River; Volga River
- SHIPPING—ABSTRACTS**
[Water transportation] Ref. zhur.: Vod. transp., nos. 5-8 My-Je '67
- SHIPPING—ECONOMIC ASPECTS** see subdivision under Volga River

SHIPPING—HYGIENIC ASPECTS

Experience in organizing control of diphyllorhynchiasis among water transport workers. S. I. Epshtein and others. Med. paraz. i par. az. bol. 36 no. 2:151-154 Mr-Apr '67.

SHIPPING—RATES

Rates and freights of marine transportation. Mor. flot 27 no. 4:10 Ap '67.

SHIPS

A cybernetic ship. L. Katolin. Sov. voen 49 no. 1:32-33 Ja '67.
Russian names of ships on the map of the world. Mor. sbor. 50 no. 1:76-77 Ja '67.
Russian names of ships on the map of the world. Mor. sbor. 50 no. 3:77 Mr '67.

SHIPS—AIR CONDITIONING

Electronic regulator of static pressure. G. S. Iakimenko, I. B. Iakovlev. Sudostroenie 57 no. 5:50-52 My '67.

SHIPS—CARGO

Automatic apparatus for checking and controlling the load of ships. V. I. Koiolov. Sudost. i mor. soor. no. 2:56-58 '66.

Differential equations describing the movement of loose cargo during the rolling of the ship. V. V. Gai'kavyl'. Sudost. i mor. soor. no. 2:31-35 '66.

Lateral pressure of a loose cargo. V. V. Gai'kavyl'. Sudost. i mor. soor. no. 2:36-40 '66.

SHIPS—CORROSION

Work practices in detecting faults in the hull structure of ships. I. M. Volitkov, I. F. Koiol', I. A. D. Gladshstein. Sudostroenie 57 no. 4:66-68 Ap '67.

SHIPS—ELECTRIC EQUIPMENT

Special characteristics of repairing electrical equipment on ships while sailing in the tropics. V. D. Kebko. Mor. sbor. 50 no. 1:69-72 Ja '67.

SHIPS—EQUIPMENT AND SUPPLIES

Dirkuk, V. S. [Mountable ship tanks] Sudovye vkladnye tsistemy. Leningrad, Sudostroenie, 1966. 128 p.

SHIPS—EXHIBITIONS

Soviet shipbuilding at "Expo-67." Sudostroenie 57 no. 4:71-72 Ap '67.

SHIPS—FIRES AND FIRE PREVENTION

Reliable measure for fire control. S. Panin. Mor. flot 27 no. 5:32 My '67.

SHIPS—HEATING AND VENTILATION

Technology of the manufacture of marine plastic centrifugal electric fans. I. A. Rashevskii, G. B. Rozenholm, I. A. Serebrennikova. Sudostroenie 57 no. 2:63-64 '67.

SHIPS—HYDRODYNAMIC IMPACT

Statistical characteristics of the impact bending moments of a river and seagoing ships in waves. F. G. Kandel'. Sudostroenie 57 no. 5:5-8 My '67.

SHIPS—HYDRODYNAMICS

Calculating the hydrodynamic load acting on a body during its rapid submersion into the wave. F. L. Sukhlir. Sudost. i mor. soor. no. 2:24-30 '66.

Contribution to the hydrodynamic theory of the pitching of a vessel in case of a finite depth of water. I. V. Remoz. Sudost. i mor. soor. no. 2:3-14 '66.

Equations representing the motion in liquid of a body of changing form and their application to the pitching of the ship in waves. I. L. Sukhlir. Sudost. i mor. soor. no. 2:20-23 '66.

Full-scale study of the stability of motion of a ship in shallow water. V. K. Chernyshev. Sudost. i mor. soor. no. 2:67-74 '66.

Hydrodynamic interaction of ships during overtaking. G. Kostylev. Mor. flot 27 no. 5:42 My '67.

Potential of a pulse source moving over the free surface of the liquid in a circular path. L. M. Dykida. Sudost. i mor. soor. no. 2:41-44 '66.

Ship speed loss caused by waves. V. V. Diemling, F. I. Rudakov. Ryb. khoz. 43 no. 4:31-33 '67.

SHIPS—LAUNCHING

Calculation of rigid rectangular plates lying on a discontinuous elastic foundation. V. N. Spikharenko. Sudost. i mor. soor. no. 2:107-112 '66.

Determination of loads on the bottom plating during the launching of the ship from a longitudinal building slip. V. P. Suslov, I. U. P. Kochanov. Sudost. i mor. soor. no. 2:91-100 '66.

Graphs for approximate calculation of the bottom plating during the action of launching loads. N. P. Soldatov. Sudost. i mor. soor. no. 2:101-106 '66.

Strength of the bottom plates during the launching of ships. I. U. P. Kochanov, V. N. Spikharenko. Sudost. i mor. soor. no. 2:113-118 '66.

SHIPS—LIFTING DEVICES

Results of testing a new method of economic justification as exemplified by the standardization of ship lifting structures. L. M. Chistov, V. M. Popov. Sudostroenie 57 no. 3:43-48 Mr '67.

SHIPS—MAINTENANCE AND REPAIR

(see also subdivision under Corodeta, Gorkly Prov-ince)

Carry out the repair of the fleet in an organized manner. K. Naldenko. Rech. transp. 26 no. 3:25-27 '67.

Keeping a ship in good repair. A. Baranov. Ty i snab. Sov. Voen. Flot 27 no. 11:30-34 N '66.

Need of bases for the repair of the automatic control systems on ships. N. Kazakhov. Mor. flot 27 no. 5:31 My '67.

Network schedule graphs in overall ship repair. I. U. Gorshkov, Ty i snab. Sov. Voen. Flot 27 no. 5:82-87 My '67.

Problems in the preparation of designs for ship repair. L. Burulin, N. Savin. Mor. flot 27 no. 5:30-31 My '67.

Technical consultation. Rech. transp. 26 no. 4:50 '67.

Ultrasonic defectoscopy in the technical operation of ships. A. Aksel'band, A. Rogovskii. Mor. flot 27 no. 5:26-27 My '67.

SHIPS—PAINTING

Use of thermoplastic antifouling paints for the underwater part of the ship. A. G. Litvinenko, B. P. Favorov. Sudostroenie 57 no. 3:53-56 Mr '67.

SHIPS—SOUND PROOFING

Noise abatement by vibration insulation of cabins. L. S. Boroditskii, V. A. Gevidz. Sudostroenie 57 no. 2:3-5 F '67.

Noise control on the "Volgo-Don" type ships. L. B. Zefirov. Sudostroenie 57 no. 2:5-8 F '67.

SHIPS—WATER SUPPLY

Storage of water for lifeboats on ships. A. Voltenko, L. Maichenko. Mor. flot 27 no. 5:25 My '67.

SHIPS—WELDING

Some characteristics of ultrasonic defectoscopy of the joints of welded metal structures. V. A. Bos'ko. Sudost. i mor. soor. no. 2:167-172 '66.

Use of semiautomatic welding in carbon dioxide. V. S. Golovchenko, I. P. Mishinov, A. V. Nikonov. Sudost. i mor. soor. no. 2:60-63 F '67.

SHIPS, ALUMINUM

Pallor, A. M., and V. F. Sokolov. [Impermeability and lightness of metallic ships] Nepronitsaemost' i germetichnost' metallicheskih sudov. Leningrad, Sudostroenie, 1967. 239 p.

SHIPS, ALUMINUM—WELDING

Ultrasonic method of testing the quality of joints of welded aluminum and aluminum-magnesium alloy structures of ships. A. I. Safonov, V. A. Bos'ko. Sudost. i mor. soor. no. 2:160-166 '66.

SHIPS, IRON AND STEEL

Pallor, A. M., and V. F. Sokolov. [Impermeability and lightness of metallic ships] Nepronitsaemost' i germetichnost' metallicheskih sudov. Leningrad, Sudostroenie, 1967. 239 p.

SHIPYARDS see subdivision under Astrakhan; Vladivostok

SHIPYARDS—MANAGEMENT

Basic problems in the use of the new system of planning and economic incentive in shipbuilding. I. U. E. Krotov. Sudostroenie 57 no. 5:55-59 My '67.

Prom practices in the adoption of scientific work organization plans at the I. I. Nosenko Shipyard. N. G. Chernyi. Sudostroenie 57 no. 5:53-55 My '67.

SHIPYARDS—SCHEDULING

For wide use of the methods of network schedule planning and management. A. Serbinov. Mor. flot 27 no. 4:29 Ap '67.

Nechenko, V. V. [Fundamentals of the use of network planning in ship repair] Osnovy primeneniya selevogo planirovaniya v sudoremonte. Moskva, Pishchevala promyshl., 1967. 53 p.

SHIRKINA, NATALIA ANDREYNAZ, 1896-1966

Natalia Andreevna Shirkina, 1896-1966; obituary. Meteor. i gidrol. no. 4:126-127 Ap '67.

SHIRVAN OIL FIELD—EMULSIONS

Dehydration and desalting of Buzovny and Shirvan petroleum emulsions. M. A. Ashtimov and others. Azerb. neft. khoz. 46 no. 5:141-42 My '67.

SHISHKIN, VASILII AFANAS'EVICH, 1894-1966

V. A. Shishkin; an obituary. Sov. arkheol. no. 2:301 '67.

SHISHMANIAN, OVSEP

Tserenias a sociopolitical writer. V. L. Shamlian. Vest. obshchestva nauk AN Arm. SSR no. 11:39-56 N '66.

SHIMIDT, PETR PETROVICH, 1867-1906

Ardent revolutionary fighter. L. N. Gusearova. Sudostroenie 57 no. 2:92-93 F '67.

Meeting at "Five Corners." Sov. voen 49 no. 3:46-47 F '67.

SHOCK

Brief review of the research of Soviet pathophysiologicals on the problem of traumatic shock during 50 years. I. R. Petrov. Pat. fiziol. i eksp. terap. 11 no. 1:3-11 Ja-F '67.

Effect of intra-arterial injection of blood and polyvinyl on the blood flow in the liver and its oxygen regimen in experimental traumatic shock. S. A. Seleznev. Pat. fiziol. i eksp. terap. 11 no. 1:22-27 Ja-F '67.

Minute volume of blood circulation, general peripheral resistance and the mass of the circulating blood in experimental traumatic shock. O. P. Khramova. Bul. eksp. biol. i med. 63 no. 6:21-23 Je '67.

SHOCK (MECHANICS)

Changes in temperature caused by contact interaction of elastic bodies. E. N. Kil'chevskaya. Prikl. mekh. 3 no. 5:104-105 My '67.

SHOCK ABSORBERS

Determining optimum parameters of shock absorbers. V. V. Guretskii. Trudy LPI no. 266:17-23 '67.

Nonlinear shock absorber for a single-mass system under the action of two-frequency excitation. A. F. Burdenko, P. F. Ovchinnikov. Prikl. mekh. 3 no. 5:87-92 My '67.

SHOCK WAVES

Absorption spectra of radicals and molecules of substances volatilizing with difficulty in shock waves. I. V. Veltin, L. V. Gurevich. Dokl. AN SSSR 173 no. 6:1323-1327 Ap '67.

Discrete character of structural changes in a gas detonation wave. I. U. Denisov, I. A. K. T. oshin. PMTF no. 2:80-82 Mr-Apr '67.

Method for calculating a supersonic flow past blunt-nosed bodies with a detached shock wave. S. M. Gillskii, G. F. Telenin, G. P. Tiniakov. Sbornik VTS MGU no. 6:173-205 '67.

On the theory of strong shock wave propagation in the inhomogeneous cosmic medium. S. A. Kaplan. Astron. zhur. 41 no. 2:384-386 '67.

Reflection of a shock wave from the side of a right angle. V. V. Prokofiev. Izv. AN SSSR, Mekh. zhid. i gaz. no. 2:17-20 Mr-Apr '67.

Solving Chaplygin's equation in a plane-parallel transonic flow with a direct shock wave. I. I. Iosadunov, N. Karybekov. Izv. AN SSSR, Mekh. zhid. i gaz. no. 2:116-120 Mr-Apr '67.

Split-off phenomena in the ground observability during seismological prospecting. A. A. Gvozdev, V. V. Kuznetsov. Izv. AN SSSR, Fiz. zem. no. 5:21-27 My '67.

Structure of a shock wave in the air at Mach numbers from 2.6 to 6. A. V. Ivanov. Izv. AN SSSR, Mekh. zhid. i gaz. no. 2:152-155 Mr-Apr '67.

Use of a model of compressible fluid in calculating collisions of metal bodies. A. N. Mar'lamov. PMTF no. 2:83-85 Mr-Apr '67.

SHOE INDUSTRY

(see also subdivision under Erivan; Great Britain; Leningrad)

Green light to the initiative of the weaver. V. N. Pletneva. T. N. Sovetskova. Kozh.-obuv. prom. 9 no. 4:6-7 Ap '67.

SHOE INDUSTRY—EQUIPMENT AND SUPPLIES

Lead bin for loose materials. A. S. Kadachigov. Kozh.-obuv. prom. 9 no. 3:29-30 Mr '67.

In the Scientific Technological Society of the Light Industry. V. Maslova. Kozh.-obuv. prom. 9 no. 3:34-35 Mr '67.

Increase the supply of raw materials for the shoe industry and the effective use of hides. A. M. Zhoiov, M. V. Lev. Kozh.-obuv. prom. 9 no. 3:3-8 Mr '67.

Split as valuable leather material for the manufacture of shoes. V. F. Kunashov and others. Kozh.-obuv. prom. 9 no. 3:25-27 Mr '67.

SHOE INDUSTRY—LABOR PRODUCTIVITY

Increase of the production effectiveness on the basis of an economic analysis of labor expenditures. D. S. Inozemisev. Kozh.-obuv. prom. 9 no. 4:8-11 Ap '67.

Work method of measuring labor productivity in the shoe industry. N. M. Gamit'ion. Vop. truda no. 3:129-148 '60.

SHOE MACHINERY

Influence of defective parts on the effectiveness of the work of semiautomatic machinery. E. M. Kuleshov. D. I. A. I. inekii. Kozh.-obuv. prom. 9 no. 3:20-21 Mr '67.

Types of elze compensators of shoe machines. A. N. Duka, G. A. Piskorski. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:158-157 '67.

SHOE MANUFACTURE

Determination of energy expenditure in vibration molding of shoes. Report No. 1. I. A. F. Cherednichenko, G. A. Piskorski, I. Z. Steblina. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:141-149 '67.

Developing an efficient form of the side surface of the heel portion of the last in the region of the stiff counter. L. Khorvath and others. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:100-108 '67.

SIBERIAN PLATFORM—DOLOMITE

Morphological characteristics of calcite and dolomite in carbonates of the northern part of the Siberian Platform. N. Z. Evzikova. Zap. Vses. int. ob-va 96 no. 1 45-50 '67.

SIBERIAN PLATFORM—GEOLOGY

Jurassic continental sediments of the southern part of the Siberian Platform. Iuskie kontinental'nye otlozheniya tuga Sibirskoi platformy. Moskva, Nauka, 1967. 319 p. illus.

SIBERIAN PLATFORM—PALEOGEOGRAPHY

Jurassic continental sediments of the southern part of the Siberian Platform. Iuskie kontinental'nye otlozheniya tuga Sibirskoi platformy. Moskva, Nauka, 1967. 319 p. illus.

SIEMENS-MARTIN FURNACE see Open-hearth furnaces

SIENKIEWICZ, HENRYK, 1846-1916

75th anniversary of Henryk Siemkiewicz in Poland. E. Z. Tsibenko. Vest. Mosk. un. Ser. 10. Filol. no. 3:84-87. 1971.

SIEROZEM

Feasibility of the use of potassium fertilizers for cotton in light-colored sierozems. I. I. Mandiarmov, A. N. Tashmatova. Khim. v sel'. khoz. 5 no. 6:2-11. Je '67.

Culture conditions of sierozems under forest plantations. N. P. Bolvo. Pochvovedenie no. 1:94-105. Ap '67.

Studying the variability of the moisture of sierozems. V. B. Gussak and others. Pochvovedenie no. 1:105-111. Ap '67.

SIEVES

Vibrational sieves. I. U. Akent'ev. Tekh. v sel'. khoz. 5 no. 4:88. '67.

SIGNAL THEORY (TELECOMMUNICATION)

Alternate-message codes with group selection. V. A. Stulov. Prikl. sist. avtom. no. 2:3-9. '66.

Approximation of energy spectra of television and phototelegraphy signals. N. K. Mitenin. Elektrosviaz' 21 no. 5:49-53. My '67.

Calculation of the density of the flow of nulls, extremum and inflection points for a steady-state process. Radiotekhnika i elektronika 12 no. 6:1093-1095. Je '67.

Contribution to the theory of wide-band communication systems. A. M. Zaedyai, I. U. B. Orunov, L. A. Iakovlev. Radiotekhnika 22 no. 5:18-26. My '67.

Criterion on input noise level for radio receivers. I. M. Ambinder. Radiotekhnika 22 no. 5:41-53. My '67.

Decoding probability error during random coding for a binary symmetrical channel. V. N. Kuski. Radiotekhnika i elektronika 12 no. 6:1058-1066. Je '67.

Determination of optimal systems with nonlinear combination of a useful signal and noise. L. G. Evlanov. Izv. AN SSSR, Tekh. kib. no. 2:139-145. Mi.-Ap '67.

Distortions and noises in the separation of two AM signals with overlapping spectra. S. I. Vozhinas. Radiotekhnika i elektronika 12 no. 6:975-983. Je '67.

Effectiveness of the transmission of telemetering signals using frequency-composite and frequency-time codes. V. S. Dityk. Prikl. sist. avtom. no. 2:17-21. '66.

Estimate of a nonlinear function in the observation of a signal with noise. G. I. Bel'chanskii. Izv. AN SSSR, Tefh. kib. no. 2:119-130. Mi.-Ap '67.

Evaluation of the amplitude of a signal with random initial phase with simple weight function. V. I. Vladimirov. Elektrosviaz' 21 no. 5:42-48. My '67.

Interaction of two harmonic oscillations in nonlinear narrow-band devices. V. M. Sidorov. Elektrosviaz' 21 no. 5:60-67. My '67.

Invariant operation of an optimal receiver in a binary signal reception system. I. U. P. Kuznetsov. Radiotekhnika 22 no. 5:111-112. My '67.

Labulin, V. K., and A. P. Molchanov. [Hearing and the analysis of signals] Slukh i analiz signalov. Moskva, Energiia, 1967. 70 p. (Massovaya radiobiblioteka, no. 536).

Law governing the distribution of probabilities of a different number of errors in a combination. O. V. Popov, V. A. Turin. Elektrosviaz' 21 no. 5:11-16. My '67.

Measurement of the duration of intersymbolic interference in a two-beam channel with frequency keying. M. S. Landsman, P. V. Bershtein. Radiotekhnika 22 no. 5:106-109. My '67.

Method for increasing interference rejection in transmission of digital information in channels with fluctuation noise. S. N. Terent'ev, S. E. Fal'kovich. Elektrosviaz' 21 no. 5:37-41. My '67.

Methods for separating groups of unresolved signals from noise based on the theory of random points. V. G. Latskh. Izv. AN SSSR, Tekh. kib. no. 2:44-49. Mi.-Ap '67.

Partial incomplete alternate-message codes. V. A. Stulov. Prikl. sist. avtom. no. 2:10-16. '66.

Phonetic coding of speech. A. A. Pirogov. Elektrosviaz' 21 no. 5:24-31. My '67.

Potential converter of a binary code to series alternate-quality code. T. A. Kosteln'ny. Prikl. sist. avtom. no. 2:26-21. '66.

Problems of information transmission and treatment. V. I. Sidorov. Izv. AN SSSR, Tekh. kib. no. 1:76-81. Ja.-F '67.

Program for separating a signal minimizing the average risk in a multiple-link communication system corresponding to a subscriber. M. A. Sokolov. Radiotekhnika i elektronika 12 no. 6:1048-1057. Je '67.

Prospect for the synthesis of phase-keyed signals. D. E. Vakman. Radiotekhnika i elektronika 12 no. 6:955-974. Je '67.

Reception of signals with frequency modulation and relative frequency modulation using Wagner's method in a channel with correlated fading. M. G. Lukhbatulin. Elektrosviaz' 21 no. 5:17-23. My '67.

Single-dimensional and two-dimensional filtration of spatial signals with correlated noises. K. P. Kirdashev. Radiotekhnika i elektronika 12 no. 6:1088-1090. Je '67.

Single-dimensional probability density of the sum of impulse and fluctuation interference. B. P. Kalinichev. Elektrosviaz' 21 no. 5:54-59. My '67.

Spectrum of a signal with simultaneous phase and amplitude key modulation. V. P. Zhigach. Elektrosviaz' 21 no. 5:71-75. My '67.

Structural characteristics of phase-keyed signals of discrete information transmitting systems. V. I. Nazarov. Elektrosviaz' 21 no. 5:1-10. My '67.

Study of algorithms in conversion of random signals using the Monte Carlo method. G. N. Balashev, B. A. Chumachenko. Izv. AN SSSR, Tefh. kib. no. 2:131-138. Mi.-Ap '67.

System regenerating a radiotelegraphy signal affected by fluctuation. F. V. Zvonigim. Prikl. sist. avtom. no. 2:61-65. '66.

SIGNS AND SYMBOLS

Coding of firm names by letters and numbers. B. N. Tardov. Vop. izob. no. 12:16-20. D '66.

Marking of services. E. Hoffmann. Vop. izob. no. 11:15-18. N '66.

SIKHOTE-ALIN' RANGE—EPIDOTE

Minerals of the epidote group in the Poginsk Massif of nepheline syenites. A. A. Tolok, A. M. Matel'kova. Soob. DVFAN SSSR no. 24:35-40. '65.

SIKHOTE-ALIN' RANGE—GEOLOGY, STRUCTURAL

Differential movements in the formation of Paleozoic sediments of the central Sikhote-Alin' Range. I. U. N. Nazimakhin. Soob. DVFAN SSSR no. 2:61-66. '65.

SILANE

Alkoxysilanes. Part 18: Alkaline hydrolysis of trimethyl-ethoxysilane and trimethylmethoxymethane. M. G. Voronkov, L. A. Zhagata. Zhur. ob. khim. 37 no. 5:1156-1160. My '67.

Hydrolysis reactions of higher dialkylchlorosilanes. K. A. Andrianov, D. A. Izmailov. Izv. AN SSSR, Ser. khim. no. 5:1070-1076. My '67.

Properties of dioxochlorosilane groups on the silica surface. S. I. Kol'tsov, V. B. Aleksovskii. Izv. AN SSSR, Neorg. mat. 3 no. 5:894-895. My '67.

Reaction of bis(dialkylamino)dialkylsilanes with glycols. K. A. Andrianov and others. Zhur. ob. khim. 37 no. 4:928-930. Ap '67.

Reactions of diorganodichlorosilanes with resorcinol. K. A. Andrianov and others. Izv. AN SSSR, Ser. khim. no. 4:900-911. Ap '67.

Thermal decomposition of tetrachlorosilane under strong adiabatic compression in a plasma jet. F. B. Vuzzei, L. S. Potok, V. S. Shchepachev. Khim. vys. em. g. i. no. 3:268-274. My-Je '67.

Trichloromethyl silane as a catalyst of polyhydrocyclization reaction of paraffin hydrocarbons. A. K. Zhomov and others. Neft'ev. i neftekhim. no. 4:33-36. '67.

Vapor phase adsorption of VOCl_3 and VOCl_2 microimpurities from methyltrichlorosilane. A. M. Popov and others. Zhur. prikl. khim. 40 no. 3:686-689. Mr '67.

SILANE—OPTICAL PROPERTIES

Optically active alkyl- and alkylchlorosilanes as starting compounds for the preparation of stereospecific silica gels and silicon-containing polymers. E. I. Klubunovskii, L. M. Volkova. Izv. AN SSSR, Ser. khim. no. 4:863-865. Ap '67.

SILAZANES

Methylchlorophenylcyclosilazanes. K. A. Andrianov, G. V. Kot'relev. Izv. AN SSSR, Ser. khim. no. 5:1150-1159. My '67.

SILICA

Mechanism of coal formation during decomposition of acetic and formic acids on silica gel. A. P. Rudenko and others. Izv. AN SSSR, Ser. khim. no. 4:861-868. Ap '67.

Optically active alkyl- and alkylchlorosilanes as starting compounds for the preparation of stereospecific silica gels and silicon-containing polymers. E. I. Klubunovskii, L. M. Volkova. Izv. AN SSSR, Ser. khim. no. 4:863-865. Ap '67.

Properties of dioxochlorosilane groups on the silica surface. S. I. Kol'tsov, V. B. Aleksovskii. Izv. AN SSSR, Neorg. mat. 3 no. 5:894-895. My '67.

Ways of obtaining silica gels of specified porous structure. R. U. Shofinain, I. I. Neimark. Khim. i tekhn. 8 no. 2:433-440. Mi.-Ap '67.

SILICATES

Crystalline structure of synthetic silicate $\text{Na}_2\text{Mn}_2\text{Si}_2\text{O}_7$. L. P. Aslakhova, T. A. Pokedimskaya, V. I. Simonov. Dokl. AN SSSR 173 no. 6:1401-1403. Ap '67.

Liquation of sulfide-silicate melts. V. T. Sviidenko, Izv. Zashch. ot. Geog. ob-va SSSR 1 no. 3:55-60. '65.

Sulfidation of S. T., and others. [New silicate and organic materials] Noveye silikatnye i organicheskie materialy. Alma-Ata, Nauka, 1967. 284 p.

SILICIC ACID

Interaction of silicic and germanic acids with alkaline and alkaline earth metal hydroxides studied by the chromatographic method. A. P. Kreshkov, P. A. Khudinkova, R. S. Borisova. Zhur. ob. khim. 37 no. 1:907-915. Ap '67.

SILICON

Absorption by free carriers in silicon in the 100 - 300 μ range. L. I. Singanov, L. D. Kiselevskii, I. G. Rudlavskaya. Opt. i spekt. 22 no. 5:792-795. My '67.

Certain features of the behavior of copper impurity in silicon. G. I. Voronkova, A. G. Dudun, M. I. Igiltayn. Izv. AN SSSR, Neorg. mat. 3 no. 5:871-872. My '67.

Separation of germanium and silicon in liquid hydrogen fluoride. N. S. Nikolayev, I. I. Tychunskaya, A. A. Opalovskii. Zhur. prikl. khim. 40 no. 3:699-702. Mr '67.

Using gray mud as desulfurizing additive. T. I. Avdeeva, A. A. Novolodskaya. Tsvet. met. 10 no. 5:57-61. My '67.

SILICON-ALUMINUM ALLOYS see Aluminum-silicon alloys

SILICON CARBIDE

Microscopy of recrystallized silicon carbide. T. P. Nikitina, N. E. Filonenko. Ogneupory 32 no. 4:51-56. '67.

SILICON CARBIDE, EFFECT OF RADIATION ON

Effect of ion bombardment on the luminescent properties of SiC. V. V. Makarov, N. N. Petrov. Trudy LPI no. 277:124-130. '67.

SILICON CRYSTALS

Dependence between the microhardness, conductivity and the rate of grinding of silicon. V. A. Drozdov, L. A. Mozgvala, A. L. Rybachev. Izv. vuz. ucheb. zav. fiz. no. 4:147-148. '67.

SILICON DIODES

Silicon power rectifiers with regulated avalanche formation. N. I. Iakvichik. Elektr. i teplen. taga 11 no. 4:33-31. Ap '67.

Stul'nikov, V. I., and others. [Thyristors in electrical systems] Tiristorov v elektricheskikh sistemakh. Kiev, Tekhnika, 1967. 98 p. (Biblioteka po avtomatike).

SILICON-IRON-CHROMIUM ALLOYS see Iron-silicon-chromium alloys

SILICON ORGANIC COMPOUNDS see Organosilicon compounds

SILKWORMS

Study of soluble tissue proteins in Bombyx mori L. by electrophoresis in polyacrylamide gel. I. U. B. Filippovich, L. I. Shchegoleva. Dokl. AN SSSR 174 no. 1:240-242. My '67.

SILOXANES

Characteristics of rubbers made from the SK PVG vinyl hydride siloxane crude rubbers. F. A. Galil-Ogly and others. Kauch. i rez. 26 no. 5:4-5. '67.

Condensation of α, ω -dihydroxymethylphenylsiloxane with oligomers of the silidihydroxyphenylsiloxane series. K. A. Andrianov and others. Soob. AN SSSR no. 1:83-90. Ap '67.

Kinetics of the three-dimensional polydihydroxymethylacrylate polyol. Novitskii, G. V. Kolesov.

New method for the production of siloxanes. M. G. Borisov. Plast. mas. 1967.

Synthesis of siloxanes. V. I. Kolesov.

SMIRNOV, NIKOLAI ALEKSANDROVICH, 1897-

54 Smirnov's 70th birthday V I. Kolesnik. Vop
L' 42 no 5-170-171 My '67

SMIRNOV, SERGEI SERGEEVICH, 1895-1917

Significance of the scientific works of Academician S.S.
Smirnov for the development of Soviet geology. I.G.
Rutskiy, V.V. Starchenko. Izv Zabaik otd Geog ob-
shch SSSR 1 no 3-3-15 '65.

SMIRNOV, VLADIMIR IVANOVICH, 1887-

Vladimir Ivanovich Smirnov and the advance of math-
ematics at Leningrad University, 1917-1887. N.A.
Ishakov, S.M. Loshinskiy. Vest LQU 22 no 7-7-18
Ap '67

SMOKED FISH see Fish, Smoked

SMOKEHOUSES

(see also subdivision under Alma-Ata)

Automatic generation of smoke by smoke generator PSM.
I.M. Marshak, M.V. Popov. Trudy VNIRO 59 146-157
'65

Operational properties of smoke generator PSM-VNIRO.
M.V. Popov. Trudy VNIRO 59 158-162 '66

SMOLENSK—PHYSICAL EDUCATION AND TRAINING—
TEACHER TRAINING

A scientific study group and the development. P.K. Guba.
Vest. vys. shkoly. 25 no. 5:61-62 My '67.

SMOLENSK PROVINCE—COOPERATIVE SOCIETIES—
MANAGEMENT

Keep our word. P. Mismik. Sov. potreb. koop 11
no. 4 21-25 Ap '67.

SMOLENSK PROVINCE—SOILS—TRACE ELEMENT
CONTENT

Boron and zinc content in soils of Smolensk Province.
Y.D. Vassil'yevskaya, V.N. Petrova, V. Stefanova. Nauch.
LKI vys shkoly, biol. nauk 10 no. 4 124-127 '67.

SNAKES

Various snakes in danger. A.G. Bannikov, N.N.
Drezdov. Priroda no 1 80-86 Ap '67

SIEGHEVA, VERA VLADIMIROVNA

Half a century of youth G. Istomina. Sov. rad i tel.
16 no 1:36-38 Je '67.

SNOW—DENSITY

Calculation of the change of the density of snow cover
under the effect of diffusion, convection, volatilization,
and sublimation of water vapor in it. G.A. Morozov
Meteor i gidrol. no. 6 93-103 Je '67

SNOW REMOVAL—EQUIPMENT AND SUPPLIES

Aerodynamic method of snow removal. I.U. Anisimov,
V.A. Kuznetsov. Nauch. trudy Mosk inst radioelektr.
i elektromekh no 51:169-173 '65.

SOAP

The ability of water solutions of soaps made from
synthetic aliphatic acids to wash off oily impurities
M.P. Nespiatov and others. Masl -zhir, prom 33
no 3 23-26 Mh '67.
Improve the quality and the assortment of toilet soap.
L.M. Govbin. Masl -zhir prom 31 no 4 13-18 Ap '67.

SOAP INDUSTRY—EQUIPMENT AND SUPPLIES

Storage and intraplant transportation of odorants. L.A.
Tel'shevskaya, V.N. Mil'ko, V.A. Pat'chik. Masl -zhir
prom. 33 no 3-39-40 Mr '67.

SOCI—SANATORIUMS—MANAGEMENT

The "Avangard" Sanatorium in the new stage. T. Ryzhkov.
Sots obesp. 42 no. 4:34-35 Ap '67.

SOCI—TELECOMMUNICATION—TECHNOLOGICAL
INNOVATIONS

Soci as a communication center. V. Konstantinov.
KTO 9 no. 4:42-43 Ap '67.

SOCIAL CLASSES

(see also subdivision under Asia, Central)

Evolution of the class structure of a bourgeois society.
M. Dragilev. Mir, ekon. i mezhdunar. otn. no. 5:51-63
'67.

SOCIAL CONFLICT see subdivision under Europe,
Western; United States

SOCIAL ETHICS

Vladimirov, V.V. [The man needed by everyone] Chelo-
vek, kotoryi nuzhen vsem. Alma-Ata, "Kazakhstan,"
1967. 148 p.

SOCIAL GROUP WORK

(see also subdivision under Altai Mountain region;
Chuvashia; Nakhichevan A.S.S.R.; Ukraine; Uz-
bekistan)

Readers' communications. Agitator 35 no. 11:8 Je '67.

SOCIAL INSURANCE see Insurance, Social

SOCIAL LEGISLATION

Usenin, V.I. [Reformism and bourgeois social legislation]
Reformizm i burzhuanoe sotsial'noe zakonodatel'stvo.
Moskva, Nauka, 1967. 255 p.

SOCIAL PARTICIPATION

Volunteer participation in industrial management. R. Solo-
dillova. Nar khoz Kazakh 25 no. 1 61-66 Ap '67

SOCIAL PSYCHOLOGY

The effect of participation. V. Bolko. Sov. radio i tel.
16 no. 2 34-36 F '67.

SOCIAL PSYCHOLOGY—CONGRESSES

Conference on problems of social psychology. V. V.
Ermolin. Vop. psikhol. 13 no. 2 168 Mr-Apr '67.

SOCIAL REVOLUTIONARY PARTY

Struggle against the petty-bourgeois ideology of the left-
wing Social Revolutionaries during the preparation of
the first Soviet criminal code. G. Shvekov. Vest. Mosk
un Ser 12: Pravo 22 no. 3:20-35 My-Je '67.

SOCIAL SCIENCE RESEARCH

"Check time" with the theory I.U. Flishevskii. Sov
professury 23 no 9:30-31 My '67

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—
Social Sciences

SOCIAL SCIENCES—STUDY AND TEACHING

(see also subdivision under Tashkent; Ukraine)

Interesting and instructive. A. Lamm. Prof. -tekh. obr
24 no. 3 24-25 Mr '67

Not a foreman, but also a teacher. V.N. Uspenskiy.
Vych. sred shkola 10 no. 3 32-33 My-Je '67.

One of the means for education in patriotism. V. A.
Makharova. Vych sred shkola 10 no. 3:43-44 My-Je
'67

[Social science; a textbook for the graduating class of
secondary schools as well as for the secondary schools
of vocational training] Obshchestvovedenie; uchebnik
dlya vypusknogo klassa srednei shkoly i srednikh spe-
tsial'nykh uchebnykh zavedenii. Izd. 5 Moskva, Polit-
izdat, 1967. 384 p.

We should teach our students to be high-principled fight-
ers. Prof. -tekh. obi. 23 no. 10:6-7 O '66.

SOCIALISM

(see also subdivision under Iran)

Garbei, L.E. [Analysis of problems of the dialectics of
social development during the First World War by
V.I. Lenin] Issledovanie V.I. Lenina voprosov dialek-
tiki obshchestvennogo razvitiya v period Pervoi Mirovoi
volny. Tashkent, Nauka, 1966. 104 p.

Sanakoev, Sh.P. [Victorious march of socialism] Pobeda
nasha postup' sotsializma. Moskva, Znanie, 1967. 29 p.
(Novoe v zhizni, nauke, tekhnike, VII Seriya Mezhdunarodnaya, 11)

SOCIALIST COMPETITION

(see also subdivision under Azerbaijan; Hungary;
Moscow; Tashkent; Tomsk Province)

Boundry that unites A. Sokolov. Sov. profsoyuzy 23
no 9:8-9 My '67

Competition in the anniversary year. I. Vladychenko
Sov. profsoyuzy 23 no 9:4-6 My '67

Competition of two branches. F. Neirabina. Den ikred.
25 no 5:61-62 My '67

Direct socialist competition towards the increase of
industrial effectiveness. A.F. Romaashkina. Khleb, i
kond. prom. 11 no. 5:2-4 My '67.

Enterprises as winners in the socialist competition.
Masl -zhir prom. 33 no. 4:1 Ap '67.

Green light to the initiative of the weaver V.N. Pletneva
T.N. Sovtsova. Kozh -obuv prom 9 no 4:6-7 Ap '67

Incentive awards for the best work. T. Zinchenko. Ekon.
sel'khoz. 42 no. 5 18-19 '67.

Information on socialist competition in honor of the 50th
anniversary of the Soviet regime. Razved. i okh. nedr
33 no. 5:57 My '67.

Let us prepare for the anniversary of the Great October
Revolution in a worthy manner. M. Naumenko. Neftia-
nik 12 no. 4 6-8 Ap '67

Organization of socialist competition among drugstore
collectives. I.U. I. Lavtushenko. Farmateev. zhur. 22
no. 2:83-84 '67.

Personal labor contribution. Sov. potreb. koop 11
no. 4:6-9 Ap '67.

The power of socialist competition and its popularity.
Ekon. sel'khoz. 42 no. 5 12-18 '67.

Raise the level of the organization of socialist competition.
Geod i kart. no 11:3-6 N '66

Results of all-Union socialist competition of petroleum
workers. Neftianik 12 no. 4:10-13 Ap '67.

Results of socialist competition. Gidr. i mel. 19 no. 4
121-124 Ap '67.

Results of the all-Union socialist competition in the
fourth quarter of 1966. V.M. Rusina. Kozh -obuv.
prom. 9 no. 4:37-39 Ap '67.

Socialist obligations of the workers and the scientific,
engineering, technological and office staff of the meat
and dairy industry of the U.S.S.R. in honor of the 50th
anniversary of the Great Socialist October Revolution
Masl ind SSSR 38 no. 5:1-3 My '67

Socialist obligations of workers, engineers, technicians,
and employees of enterprises and organizations of the
Ministry of Fuel Industry of R.S.S.R. in the 1967
anniversary year. Toif prom 14 no 3 4 '67

What a brigade can do. A. Murashov. Sov. profsoyuzy
23 no. 8 31-32 Ap '67.

Wings of initiative. V. Kraevol. Sov. profsoyuzy 23
no. 8 14-17 Ap '67.

SOCIALIST PARTIES

Usenin, V.I. [Reformism and bourgeois social legislation]
Reformizm i burzhuanoe sotsial'noe zakonodatel'stvo.
Moskva, Nauka, 1967. 255 p.

SOCIALIST PROPERTY

(see also subdivision under Azerbaijan)

On the problem of the transformation of socialist property
relations into communal. V. Kornilenko. Ekon. Rad
Ukr. 10 no. 4:17-25 Ap '67.

The united national property. A. Korlagin. Agitator no.
24:14-16 D '61.

SOCIALIST REALISM

Lenin's heritage, cognition of the revolutionary develop-
ment of reality, and literature. I.A. Il'aber g. Izv. AN
SSSR Ser. lit. i iz. 26 no 2 105-112 Mr-Apr '67.

The origin of socialist realism; notes on the methodologi-
cal seminar, the history of literature section. A. Tsali-
nek. Vest. Mosk un, Ser. 10 Filol. no. 3 92-95 My-
Je '67

SOCIALIST REALISM—CONGRESSES

The conference "Current Problems of Socialist Realism."
S.S. Sazonova. Izv. AN SSSR Ser. lit. i iz. 26 no 2
181-186 Mr-Apr '67.

SOCIETY, PRIMITIVE

Bolanovskaya, T.D. [History of primitive society and
the basic principles of ethnography] Istoriya pervobytno-
go obshchestva i osnovy etnografii. [Leningrad] Izd-vo
Leningr. univ. (V pomoshch' studentam vechernikh i
zaochnykh vuzov)
No. 2. 1967. 55 p.

The initial socioeconomic formation in K. Marx's works.
M.A. Vlikin. Vop. filoz. 21 no 5:40-49 '67

SOCIOLOGY

Zamoshkin, I.U.A. [Crisis of bourgeois individualism and
personality] Krizis burzhuanogo individualizma i lich-
nost'. Moskva, Znanie, 1967. 60 p. (Novoe v zhizni,
nauke, tekhnike. II Seriya Filosofiya, 6)

SOCIOLOGY—CONGRESSES

The Sixth International Congress of Sociologists. G.M.
Andreeva. Vest. Mosk. un, Ser. 8 Filoz. 22 no 1
65-72 Ja-F '67.

SOCIOLOGY—METHODOLOGY

Multiple choice method in sociological studies
Zh. Oshavkov. Vop. filoz. 21 no 5 50-50 '67

SOCIOLOGY—RESEARCH

Some problems of subject matter and organizing specific
sociological research in military units S. Il'in
Komm. Vooruzh. Sil 48 no 12 34-40 Je '67

SODA INDUSTRY

Brief news P.T. Ostapenko. Khim. prom. 42 no. 8:68-
60 S '66.

Comparison of some variants of technological diagrams
for the preparation of soda products from nepheline
ores of the Kiy-Shalyr deposit. A.A. T'ipol'skiy.
Khim. prom. 42 no. 9:50-51 S '66.

Speed of the dissolution of sodium bicarbonate deposits
in the liquid of the preliminary carbonization column.
V.I. Panov, A.I. Karpenko. Khim. prom. 42 no. 11:41-
44 N '66.

SODA INDUSTRY—BY-PRODUCTS

Electrochemical method of regenerating ammonia from
the filtered liquid of soda production. V.K. Bekdin and
others. Khim. prom. Ufa. no. 5:51-53 S-O '66

SODIUM

Burner with electric fuel liquid heating for flame photo-
metric determination of sodium and potassium. I.A. B.
Bur'lanov. Pochvovedenie no. 5 147-149 My '67.

SODIUM ACETATE

Use of sodium trichloroacetate. Kh. P. Revina, T. E.
Kostrova. Zashch. rast. 12 no. 5:23 '67

SODIUM ALUMINOSILICATES

Solid phase transformations taking place with time in the
system Na₂O - Al₂O₃ - SiO₂ - H₂O at 90° C. L.P. Ni
and others. Zhur. prikl. khim. 40 no. 3:492-501 Mr
'67.

SOILS—PHOSPHORUS CONTENT

(See also subdivision under Carpathian Mountains; Tambov Province)

Continuous method for determining available phosphorus according to Arrhenius. N. O. Avakian, V. S. Sudzhann, E. A. Karapetian. Khim. v sel'. khoz. 5 no. 5:61-65 '67

Determining available phosphorus and exchangeable potassium from one soil extract. Kh. S. Spivak and others. Khim. v sel'. khoz. 5 no. 5:62-63 '67.

SOILS—POTASSIUM CONTENT

Determining available phosphorus and exchangeable potassium from one soil extract. Kh. S. Spivak and others. Khim. v sel'. khoz. 5 no. 5:62-63 '67.

SOILS—TESTING

Calibration of special apparatus for soil testing. V. V. Faticun, A. K. Posukhovskii. Mol. por. i such. stud. no. 2:135-137 '66

SOILS, SALTS IN

(See also subdivision under Salpa Lowland; Volga Hills)

Capillary movement of sodium salt solutions in soil columns. I. Salolikh, V. Lestak. Pochvovedenie no. 1:65-73 Ap '67

Ranges of present salt accumulations in soils of the U.S.S.R. N. I. Kondratskaya. Pochvovedenie no. 4:44-53 Ap '67

Salt anomalies in the profiles of steppe Solonetz soils and their causes. V. V. Egorov. Pochvovedenie no. 5:103-114 My '67

Salinity of the transfer of water salt solutions in the pores of clay soils. I. A. Birling. Vest. Mosk. univ. Ser. I. Geol. 22 no. 2:90-99 Mr.-Ap '67

SOILS—TRACE ELEMENT CONTENT. See subdivision under Smolensk Province

SOKOLOV, NIKOLAI SERGEEVICH, 1897-1963

In memory of Professor Nikolai Sergeevich Sokolov; the 70th anniversary of his birth. I. I. Simagin. Vest. sel'. khoz. 12 no. 5:137-138 My '67.

SOKOLOVKA (KAZAKHSTAN)—CONSTRUCTION INDUSTRY—COSTS

Cost and potentialities. A. Kirvets. Nar. khoz. Kazakh. 25 no. 4:24-28 Ap '67

SOLANINE

Solanine content in popular and new potato varieties of the White Russian S.S.R. V. S. Vecher and others. Dokl. AN SSSR 11 no. 4:362-364 Ap '67.

SOLAR ACTIVITY

Auroras during the period of the minimum of solar activity. I. I. Fejlshteyn, L. V. Lukina, N. I. Shevina. Geomag. i aer. 7 no. 1:177-179 '67.

Effect of 11-year cycle of solar activity on atmospheric circulation. V. A. Belikov. Prohl. Ark. i Antark. no. 26:29-31 '67

Modulation of galactic cosmic rays due to processes in the active regions of the sun. I. M. Nikolaev. Geomag. i aer. 7 no. 1:171-176 '67.

[Solar activity and life] Solnechnaya aktivnost' i zhizn'. Riga, Zinatne, 1967. 135 p.

SOLAR ENERGY

(See also subdivision under Ukraine)

Analysis of characteristics of single-stage solar system with a thermoelectric converter. G. A. Varshavskii, I. A. Rezglol'. Izv. AN SSSR Energ. i transp. no. 1:120-126 Ja-F '67.

SOLAR FLARES

Possible mechanisms of the generation of hard X-radiation during solar flares. A. A. Korzhak. Astron. zhur. 44 no. 2:323-335 '67.

SOLAR RADIATION

(See also subdivision under Antarctic regions; Arctic regions)

Geomagnetic micropulsations and the solar wind. I. I. L. Moskvina, D. A. Frank-Kamenetskii. Geomag. i aer. 7 no. 1:144-148 '67.

Industrial equipment subjected to the action of solar radiation. F. K. Maslovets. Elektrotehnika 30 no. 5:42-43 My '67

Scattering of the solar L_{α} -radiation on galactic hydrogen. V. G. Kurk, T. A. Gernogenova. Astron. zhur. 44 no. 2:352-357 '67.

Simplest means of protecting built-up roofs from solar radiation. A. Folomina, L. Kuzina. Zhil. stroit. no. 11:10-12 '66.

Use of satellite information on outgoing radiation for purposes of the determination of the zones of precipitation. A. Z. Cherkida, T. A. Iakovleva. Meteor. i gidrol. no. 6:13-20 Je '67.

SOLAR RADIATION—EFFECT ON PLANTS. See Plants, Effect of solar radiation on

SOLAR RADIATION—MAPS

Charts of radiation balance and possibilities of their use in synoptic practice. P. N. Belov. Meteor. i gidrol. no. 1:38-45 Ap '67.

SOLAR RADIATION—OBSERVATIONS

Solar radiation and radiation balance data. Sol. rad. i rad. bal. Je-Jl '66, publ. '67.

SOLDER AND SOLDERING

Soldering molybdenum and tungsten with the base filler metal. Z. V. Nikiforova, B. M. Nestinov, A. A. Shaikov. Svar. prikl., no. 3:19-22 Mr. '67

SOLDIERS

Has all been said about love? N. Chebotarev. Sov. voen. iz. no. 1:34-35 Ja '67.

The minimum sum of rewards. N. Shchegolev. Tekhn. i obrat. 25 no. 11:70-71 N '66.

SOLDIERS—PAY, ALLOWANCES, ETC.

Benefits for defenders of the motherland. Sois. obshp. 42 no. 4:58-60 Ap '67.

SOLENOIDS

Calculation of forces acting on a tube with inserted solenoid. S. D. Popov. Teor. elektrotekhn. no. 2:160-169 '66.

SOLID FILM

Bereznoi, E. F., and G. A. Kurenkova. [Magnetostatic interactions in magnetic film memory matrix] Magnitostaticheskie vzaimodelstviya elementov magnitoplenochnoi zapominshechnoi mashiny. Moskva, 1968. 43 p. (Elektronnaya vychislitel'naya mashina)

Kobelev, V. V. [Ferromagnetic films in nonuniform fields] Ferromagnitnykh plenek v neodnorodnykh pol'yakh. Moskva, 1960. 31 p. (Elektronnaya vychislitel'naya mashina)

Screening in film structures. V. I. Prozorovskii, L. N. Kolesov. Radiotekhn. i elektron. 12 no. 6:1036-1039 Jo '67.

SOLID FILM—OPTICAL PROPERTIES

Using precise formulas in the synthesis of spectral characteristics based on coatings with layers of equal optical thickness. Sh. A. Furman. Opt. i spekt. 22 no. 4:631-639 Ap '67

SOLID SOLUTIONS. See Solutions, Solid

SOLID STATE PHYSICS—CONGRESSES

Session of a scientific council on physical electronics. A. L. Murotov and others. Radiotekhn. i elektron. 12 no. 6:1139-1142 Je '67.

SOLIDIFICATION

Heat balance of a 2.7-ton ingot. A. G. Tsipunov, I. U. D. Smirnov, V. N. Daviduk. Teor. i prikl. met. no. 7:60-62 '64

SOLIDS, EFFECT OF RADIATION ON

Cross sections of Frenkel defect formation under γ -radiation of Co^{60} . A. T. Lebedev. Izv. vuz. ucheb. zav., fiz. no. 4:50-61 '67.

SOLIFLUCTION. See subdivision under Siberia

SOLIKAMSK REGION—ISOMORPHISM (CRYSTALLOGRAPHY)

Isomorphism of rubidium in syngenite and carnallite from Verkhnekamskoye deposit. A. M. Kropachev, I. S. Kropacheva. Vest. LGU 22 no. 6:94-96 Mr. '67.

SOLIKAMSK REGION—RUBIDIUM

Isomorphism of rubidium in syngenite and carnallite from Verkhnekamskoye deposit. A. M. Kropachev, I. S. Kropacheva. Vest. LGU 22 no. 6:91-96 Mr. '67

SOLION

Solion-type integrators. M. L. Fish, A. S. Bogomaz. Nauk. i tekhn. v gos. khoz. no. 5:64-71 '66.

SOLOUCHAK SOILS

Characteristics of the construction of subgrades in moist Solouchak soils. I. V. Kaganovich. [Sbor.] Kom. po zem. pol. no. 6:105-112 '66.

SOLONETZ SOILS

Mechanization of work in applying gypsum to Solonetz soils. L. I. Polovtsov. Khim. v sel'. khoz. 5 no. 6:71-76 Je '67.

Salt anomalies in the profiles of steppe Solonetz soils and their causes. V. V. Egorov. Pochvovedenie no. 5:103-114 My '67.

SOLOUKHIN, VLADIMIR ALEKSEEVICH, 1924-

Let us take a more objective look. G. Kucherenko. Oktabr' 14 no. 3:216-221 Mr. '67.

SOLOV'EV, BORIS IVANOVICH

The poetry of criticism. Eduard Skobelev. Oktabr' 44 no. 4:215-217 Ap '67

SOLOV'EV, MARINA

High, far and fast. B. Nikolaev. Kryl. rod. 17 no. 12:11 D '66.

SOLUBILITY

Iron solubility in magnesium. V. V. Radlakh, A. D. Andreev, V. S. Thalich. Izv. AN SSSR Met. no. 2:61-65 My-Je '67

Study of solubility in the system $(\text{NH}_4)_2\text{SO}_4 - (\text{NH}_4)_2\text{BeF}_4 - \text{H}_2\text{O}$ at 30°C. M. E. Ievina, V. I. Fedorova, O. N. Itezanova. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 10 no. 3:359-363 '67

SOLUTION (CHEMISTRY)

Effect of adsorbent nature and properties of volume solution on adsorption selectivity. V. S. Kurnatov, A. T. Rozin. Dokl. AN SSSR 11 no. 4:336-341 Ap '67.

SOLUTION (CHEMISTRY)—ADDITIVES

Effect of nature and concentration of organic additives on the chemical nickel coating process. I. N. Kheprin. Zashch. met. i no. 3:328-333 My-Je '67

SOLUTION (CHEMISTRY)—THERMODYNAMICS

Thermodynamic functions of the formation of solutions $\text{CaCl}_2 - \text{H}_2\text{O}$, $\text{NaCl} - \text{H}_2\text{O}$, and $\text{CaCl}_2 - \text{NaCl} - \text{H}_2\text{O}$. L. S. Ilich, M. T. Mogil'ev. Vest. LGU 22 no. 1:45-53 F '67.

SOLUTIONS, SOLID

Decomposition of β -solid solution of iron-cadmium-molybdenum on alloy. L. A. Petukova, L. P. Grankova. Izv. AN SSSR. Neorg. mat. 3 no. 5:824-831 My '67

Electrode semiconductor catalysts. Part 7: Structure and semiconducting properties of solid solution in the system of $\text{MnO} - \text{NiO}$ oxides. O. K. Davtian and others. Elektrokhemia 3 no. 5:631-635 My '67

Nature of solid solutions in the system $\text{BaSO}_4 - \text{KMnO}_4$. N. A. Shishakov, L. P. Dmitricva. Dokl. AN SSSR 173 no. 6:1366-1368 Ap '67

Some properties of single crystals of solid solutions $\text{In}(\text{As}) - \text{V}_2\text{O}_5$. L. A. Egorov and others. Izv. AN SSSR. Neorg. mat. 3 no. 5:881-883 My '67

SOLUTIONS, SOLID—ELECTRIC PROPERTIES

Preparation of solid solutions of $\text{HgTe} - \text{ZnTe}$, with current carriers of high mobility. A. D. Schneider, D. I. Tshubutov. Izv. AN SSSR. Neorg. mat. 3 no. 5:879-880 My '67.

SOLUTIONS, SOLID—THERMODYNAMICS

Thermodynamic properties of solid solutions in the system manganese - cobalt. V. N. Kremenko, G. M. Lukashenko, V. R. Skidko. Izv. AN SSSR. Met. no. 3:192-196 My-Je '67.

SOLVATION

Determination of the boundary of complete solvation based on the ultrasonic data. L. A. Petrenko, I. A. Petrenko. Zhur. strukt. khim. 8 no. 2:212-215 Mr.-Ap '67.

Role of specific solvation in the mechanism of elementary stages of oxidation processes. G. I. Zaitkov and others. Dokl. AN SSSR 174 no. 1:127-130 My '67

SOLVENTS

Effect of certain solvents on the rate of radical formation in the thermal decomposition of azobisisobutyronitrile. L. M. Andonov, G. E. Zaitkov. Kin. i kat. 8 no. 2:270-274 Mr.-Ap '67

Effect of solvent nature and precipitant composition on polyacrylonitrile behavior. M. P. Zverev and others. Vysokom. soed. Ser. A 9 no. 4:927-931 Ap '67.

Freezing points of aqueous solutions of acetone, methyl alcohol, and N-methylpyrrolidone. G. N. Bokhrilukova and others. Khim. prikl. khim. 40 no. 3:610-613 Mr. '67.

Reactions of substitution of mercury atom combined with saturated carbon atom by halogen. Report No. 9: Effect of solvent on the reaction rate of benzyl mercury chloride with iodine. L. P. Beletskaya, T. P. Fetisova, O. A. Reutov. Izv. AN SSSR. Ser. khim. no. 5:890-896 My '67.

Separation of the oxidation products of paraffin hydrocarbons with selective solvents. I. A. Makarov and others. Khim. prom. Uzb. no. 5:16-18 S-O '66.

SONAR IN FISHING

(See also subdivision under Black Sea)

Basic characteristics of echo sounding gear and its effect on the effectiveness of fish detection. K. I. Udanov. Trudy VNIRO 61:107-226 '66.

Characteristics of recording natural fish by sonar. K. I. Udanov. Trudy VNIRO 61:227-231 '66.

SOPHOCARPINE

Changes in the pathogenic properties of Verticillium dahliae under the influence of alkaloids. B. Salikhova. Dokl. AN Uz. SSR 23 no. 6:68-69 '66.

SORGHUM

"Specific" cells in sorghum stamens. S. S. Palintsova. Bot. zhurn. 52 no. 5:690-695 My '67.

SPACE PERCEPTION

- Analysis of the means and processes of spatial form cognition. Report I: Introduction of the problem. Basic methodological contradictions in using the concept of "spatial form." G. P. Shchedrovitskiy, V. A. Kostelovskiy, Novosibirsk, V. ped. nauk. no. 1:171-176 '65.
- Character of the mental image in flying activity. B. S. Frantsen, V. A. Egorov, A. L. Kostuk. Vop. psikh. 13 no. 2:71-78 Mr-Apr '67.
- Living radar. G. Novinskiy V mire knig no. 3:13 '67.

SPACE PROBES

- (see also subdivision under United States)
- Soviet artificial earth satellites, space probes and space vehicles. Biul. st. i. opt. nabl. isk. sp. i. Zem. no. 47: 13-17 '66.

SPACE STATIONS

- String of a celestial lift. G. Saksaganskii, NFO D no. 4: 21-26 Ap '67.

SPACE VEHICLES

- (see also subdivision under United States)
- Soviet artificial earth satellites, space probes and space vehicles. Biul. st. i. opt. nabl. isk. sp. i. Zem. no. 47: 13-17 '66.

SPACE VEHICLES—EQUIPMENT AND SUPPLIES

- Use of magnetometers and magnetic drives for space vehicles in countries outside the U.S.S.R. V. P. Nazarov. Geofiz. app. no. 23:27-42 '65.

SPACES, GENERALIZED

- A class of L₂-spaces with a perfectly reducible isotropy group. V. S. Sazanov. Izv. vys. ucheb. zav., mat. no. 6:101-108 Je '67.
- Geometrization of an electromagnetic field and the violation of CP-invariance. B. A. Arbutov, A. T. Filippov. Zhur. eksp. i teor. fiz. 52 no. 4:1092-1105 '67.

SPAIN—PETROLEUM GEOLOGY

- First commercial oil find in Spain. V. I. Vyatskiy. Geol. nefti i gaza 11 no. 1:60-61 Ap '67.

SPANISH AMERICA see Latin America

SPARK-EROSION MACHINING see Electric metal cutting

SPARKLING WINES

- Quality of Soviet sparkling wine. A. N. Mitrofanov, A. S. Stupin. Stand. i. kach. 31 no. 5:14-15 My '67.

SPECIFIC HEAT

- Effective heat capacity of the arc in certain methods of consumable electrode welding. D. K. Beryukh, Svi. fiz. no. 3:3-9 Mi '67.
- Temperature dependence of the heat capacity of cellulose fibers. E. Z. Fathberg, N. V. Mikhailov. Vysokom. speed. Sci. A 9 no. 4:820-826 Ap '67.

SPECTROGRAPHY

- Refractivity of single crystals of alkali halide compounds in the vacuum ultraviolet region. V. N. Vishnevskiy, I. N. Kulik, N. A. Domantuk. Opt. i spekt. 22 no. 1: 550-562 Ap '67.

SPECTROPHOTOMETER

- Decrease of the time of spectrum registration in the infrared spectrophotometer by automatic regulation of the scanning velocity. A. V. Sakharov. Opt. i mekh. prom. 34 no. 5:18-21 My '67.

- Modification of the SF-10 spectrophotometer for the recording of cytochrome absorption spectra in the microchondria. T. I. Derkachev, M. G. Mnuskin, S. E. Manolov. Vop. med. khim. 13 no. 3:322-325 My-Je '67.

SPECTROPHOTOMETRY

- Conformative changes in blood serum proteins during their performance of the transport function. D. A. Soikina. Vop. med. khim. 13 no. 3:263-270 My-Je '67.
- Rapid spectrophotometric determination of cyanamide. M. Takimoto, M. Sawada. Zav. lab. 33 no. 3:206 '67.
- Spectral study of complex formation of methyl-substituted crotonenes. N. B. Kupletskaya and others. Vest. Mosk. un. Ser. 2 Khim. 22 no. 2:98-101 Mr-Apr '67.
- Spectrophotometric and polarimetric studies of U Mon. A. A. Aliev. Soob. Shem. astrofiz. obser. no. 6:51-65 '67.
- Spectrophotometric study of the eclipsing variable system AR Lac. S. M. Azimov. Soob. Shem. astrofiz. obser. no. 6:66-75 '67.
- Spectrophotometric study of the reaction of rare earth elements of the yttrium subgroup with stilbaz. M. K. Aldumedi, P. B. Granovskaya. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 10 no. 3:271-276 '67.
- Two-quantum and one-quantum processes in polar glasses at 77 K. V. A. Kondrat'ev, Kh. S. Bagdasaryan. Khim. vys. energ. 1 no. 3:107-201 My-Je '67.
- Using the method of differential spectrophotometry in the analysis of double-component systems. V. I. Ganopolskiy, V. P. Barukovskiy, N. A. Alukina. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 2:145-150 '67.

SPECTROPOLARIMETRY

- Conformative changes in blood serum proteins during their performance of the transport function. D. A. Soikina. Vop. med. khim. 13 no. 3:263-270 My-Je '67.

SPECTRUM, INFRARED

- Characteristics of infrared absorption in copper-nickel alloys. M. M. Noskov, I. I. Sasovskaya. Opt. i spekt. 22 no. 4:557-560 Ap '67.
- Determination of the atomic polarization of hydrocarbons of different classes based on infrared spectra. A. G. Finkel'. Zhur. strukt. khim. 8 no. 2:279-283 Mr-Apr '67.
- Frequencies of valence vibration of the SO₂ and NH groups of substituted N-phenylparatoluenesulfonamide. A. E. Lutskiy and others. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 3:282-284 '67.
- Infrared absorption of III AB₂BI-type crystals. G. A. Alkhundov, T. G. Keimova. Opt. i spekt. 22 no. 4:554-555 Ap '67.
- Infrared spectrum of a complex compound of pentavalent rhodium with thiocure. L. V. Borisova, A. V. Karakina. Zhur. strukt. khim. 8 no. 2:359-361 Mr-Apr '67.
- Long-wave infrared absorption spectra of phthalocyanines. A. N. Aleksandrov, A. N. Sidorov, N. G. Iatovskiy. Opt. i spekt. 22 no. 4:560-565 Ap '67.
- Relation between the crystalline structure of rare earth and yttrium hydroxides and infrared absorption spectra. P. V. Klevtsov, R. F. Klevtsova, L. P. Shetina. Zhur. strukt. khim. 8 no. 2:268-272 Mr-Apr '67.
- Study of interaction in salts of organic sulfonic acids by means of infrared spectroscopy. K. K. Kalninsk, B. G. Belen'kiy, G. V. Sansonov. Izv. AN SSSR, Ser. khim. no. 4:802-807 Ap '67.
- Study of the reaction of propargyl bromide with triethyl phosphite by means of infrared spectroscopy. I. U. Kondrat'ev, I. U. K. Knochel, S. Z. Ivin. Zhur. ob. khim. 17 no. 5:1094-1096 My '67.
- Study of the reaction of sodium oleate with some boron silicates and garnet by means of infrared spectroscopy. E. V. Rakhina, P. M. Solozhenko. Dokl. AN Tadzh. SSR 10 no. 4:32-34 '67.

SPECTRUM ANALYSIS

- Accuracy of spectral methods for determining the isotopic composition of elements. V. M. Aleksandrak and others. Geokhimiya no. 5:637-640 My '67.
- Concentration in ordering of lines in En³⁺ spectra in CdF₂. B. S. Skorobogatov, M. F. Dubovik, N. K. Ageeva. Opt. i spekt. 22 no. 4:665-666 Ap '67.
- Increase of the accuracy of spectrum analyzers using orthogonal converters. B. G. Kaduk, V. P. Koshev. I. U. A. Skripnik. Kont. i. tekhn. no. 3:3-10 '66.
- Lifetimes of excitation levels of HeI, HeII, KrI, and ArI. A. L. Orlovich, I. A. F. Verofatov, Vest. LGU 22 no. 4:140-141 F '67.
- Modification of the reabsorption method; reabsorption within the line contours. L. A. Luizova, A. D. Khakhaev. Opt. i spekt. 22 no. 4:640-645 Ap '67.
- Recombination radiation from zinc sulfide. I. U. V. Bochkov and others. Opt. i spekt. 22 no. 4:655-656 Ap '67.
- Relation between the structure and the ultraviolet and infrared spectra of substituted esters, amides, and hydrazides of carbonic acid. P. P. Nesynov, P. S. Pe'kta. Zhur. ob. khim. 37 no. 5:1051-1055 My '67.
- Spectral characteristics of fluoroborated glasses activated by rare earths. I. A. Zhmyreva and others. Izv. AN SSSR, Ser. fiz. 31 no. 5:814-816 My '67.
- Spectral characteristics of manganese-activated glasses. S. G. Lunter, G. O. Karapetian, D. M. Udin. Izv. AN SSSR, Ser. fiz. 31 no. 5:811-813 My '67.

SPECTRUM ANALYSIS—CONGRESSES

- Fifth Ural Conference on Spectroscopy. S. G. Bogomolov. Opt. i spekt. 22 no. 4:683-684 Ap '67.

SPECTRUM ANALYSIS—EQUIPMENT AND SUPPLIES

- Set of "AS" accessories to spectrographs. G. N. Bure. Geofiz. app. no. 23:0-11 '65.

SPEECH

- Phonetic coding of speech. A. A. Pirogov. Elektrosvyaz' 21 no. 5:24-31 My '67.
- A word spoken is past recalling. A. Panfilov. Sov. radio i tel. 16 no. 3:36-37 Mr '67.

SPERMATOGENESIS IN ANIMALS

- Dynamics of nucleic acids in the course of the spermatogenesis of reindeer. E. K. Borozdin, Trudy Nauch.-issl. inst. sel'khoz. Krai, Sev. 13:146-151 '66.

SPHAGNUM see subdivision under Oak-Don Lowland

SPHALERITE see subdivision under Kazakhstan; Tolykai region (Maritime Territory); Transbaikalia

SPHALERITE—ANALYSIS

- Some results of studying sphalerite composition as a "geothermometer." T. N. Shadun. Vest. LGU 22 no. 6: 102-105 Mr '67.

SPHERODAL FUNCTIONS see Functions, Spheroidal

SPIDERWORT

- Assimilation of C¹⁴O₂ by Tradescantia leaves in molecular hydrogen atmosphere. D. A. Zakrzhevskiy. Bot. zhur. 52 no. 5:696-700 My '67.

SPINACH LEAF MINER—EXTERMINATION

- Compound treatment of sugar beets. N. G. Berim, O. M. Grishakova. Zashch. rast. 12 no. 5:11-12 '67.

SPINAL CORD

- Analysis of hypothalamic influence on mono- and polysynaptic potentials of the spinal cord and on electrocorticogram. O. G. Baklavdzhan, T. K. Kiprian. Fiziol. zhur. 53 no. 5:505-513 My '67.
- Convergence in the sensory fields of the posterior crescents of the spinal cord following stimulation of muscular afferent nerves. A. M. Mametova, A. A. Oganisyan. Biul. eksp. biol. i med. 63 no. 6:8-11 Je '67.
- Focal potential of the anterior spinal crescent as a complementary index of motoneuron reflex activity. I. U. D. Ignatov. Fiziol. zhur. 53 no. 5:526-534 My '67.

SPINAL CORD—WOUNDS AND INJURIES

- Marro's system as a method for the restoration of the function of the urinary bladder in lesions of the spinal cord. A. M. Guselnov, M. A. Babayev. Azerb. med. zhur. 44 no. 1:51-64 Ja '67.
- Pneumomylography in the diagnosis of lesions of the spine and spinal cord. M. V. Tsyvkin, V. I. Grebeniuk. Voen.-med. zhur. no. 5:63-65 My '67.

SPINAL NERVES see Nerves, Spinal

SPINDLES (MACHINE-TOOLS)

- Determining the rotating part of a spindle by analytic methods. I. Kh. Finkiev. Izv. AN Uz. SSR, Ser. tekhn. nauk. 11 no. 3:22-28 '67.

SPINE—DISEASES

- Dinaburg, A. D., and others. [Diseases of the nervous system in degenerative processes of the spine] Zabolevaniya nervnoy sistemy pri degenerativnykh protsessakh pozvonochnika. Kiev, Zdorov'ya, 1967. 387 p. (DNLN)

SPINE—SURGERY

- Significance of the "stretching and back impulse" in lumbar osteochondrosis. A. E. Skhianskiy. Vop. netrokhir. 31 no. 2:51-52 Mr-Apr '67.

SPINE—WOUNDS AND INJURIES

- Pneumomylography in the diagnosis of lesions of the spine and spinal cord. M. V. Tsyvkin, V. I. Grebeniuk. Voen.-med. zhur. no. 5:63-65 My '67.

SPINEL GROUP

- Phase correlations and properties of periclase-spinel phase compositions. I. A. V. Kharucharov, S. A. Suvorov. Ogneupory 32 no. 5:42-50 '67.

SPINNING

- Experimental choice of parameters for the study of the motion of fibers in the drawing field by means of radioactive isotopes. V. A. Protasova, A. F. Kapitanov. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:40-44 '67.
- Some parameters of the drawing process in silver spinning. I. L. Shit, N. I. Truvtsev. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:45-48 '67.
- A spinner. G. Borovkova. V mire knig no. 3:24 '67.

- Study of an optical method for the determination of the degree of parallelization of fibers. V. V. Iakovlev. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:58-63 '67.

SPINNING MACHINERY

- Loss of pressure in underclearer pipes with various shapes of suction inlets. L. S. Khalezov. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:137-144 '67.

SPINNING MACHINERY—TECHNOLOGICAL INNOVATIONS

- Guide of weavers and tourists. V. Bocharnikov. Izbor. i rats no. 3:13 '67.

SPIROCHETES

- Experimental transmission by ticks Ornithodoros aiaetagi and Ornithodoros verrucosus of Spirocheta sodgiani, the pathogen of tick-borne recurrent typhus. Kh. A. Chubarian. Zhur. eksp. i klin. 7 no. 2:22-26 '67.

SPLEEN

- Antibody biosynthesis in vitro in cells of nonimmune animal spleen induced by homologous RNA fractions from immunized donors. B. D. Stanchev. Mol. biol. 1 no. 1:3-11 Ja-F '67.

SPLEEN—DISEASES

- Floating spleen in combination with nonparasitic cyst. G. I. A. Klassen. Vest. khir. 98 no. 4:114-115 Ap '67.

STAPHYLOCOCCUS—PHYSIOLOGY

Relationship of lecithinase to the virulence of Staphylococcus with their pathogenicity. V. M. Svetovidova. Zhur. mikrobiol., epid. i immun. 44 no. 5 64-69 My '67.

STAPHYLOCOCCUS—TOXICOLOGY

Properties of pathogenic Staphylococcus isolated from healthy children. N. B. Molodtsova, K. A. Rogunova. Zhur. mikrobiol., epid. i immun. 44 no. 4 113-118 Ap '67.

Study of the biological nature of the virulent properties of Staphylococcus. Report No. 3. A toxic lethal factor in Staphylococcus cultures. S. A. Anan'eva, I. I. Antonovskaya. Zhur. mikrobiol., epid. i immun. 44 no. 1 72-76 Ap '67.

STARCH

Role of starch in the disintegration of tablets. I. I. Borzunov, S. M. Shevchenko. Farmatsev zhur. 22 no. 2 45-48 '67.

STARCH INDUSTRY

Socialist obligations of the personnel of the enterprises of the starch and molasses industry of the R. S. F. S. R. Sakh. prom. 41 no. 5 1-2 My '67.

STARCH INDUSTRY—BY-PRODUCTS

Production prospects and the use of fibulin. B. A. Veksel', A. Kh. Sarkisov. Sakh. prom. 41 no. 5 63-66 My '67.

STARCH INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Khabarovsk, Krasnodar Territory)

Further grinding of corn mush after its processing in grinders. P. S. Teslenko, V. N. Pastushko, N. I. A. Bubel. Sakh. prom. 41 no. 5 61-63 My '67.

Use of the PPI-5 densitometer in the starch and molasses production. A. S. Sidorov, L. G. Starichenko. Sakh. prom. 41 no. 5 56-58 My '67.

STARFISHES

Glycolipids of Patiria pectinifera and Mytilus incrustans. N. K. Kozlov and others. Dokl. AN SSSR 173 no. 6 1448-1450 Ap '67.

STARK EFFECT

Broadening of hydrogen lines by the Stark effect. L. N. Kurochka. Astron. zhur. 44 no. 2 368-378 '67.

Stark effect in molecules of the type of an asymmetric spinning top with a quadrupole core. I. A. Mukhtai'ov, R. I. Mukhtai'ov. Izv. AN Azerb. SSR Ser. fiz. tekhn. i mat. nauk no. 6 70-81 '66.

STARODUBTSEV, SERGEI VASIL'EVICH, 1914-1967

Sergei Vasil'evich Starodubtsev, obituary. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 11 no. 3 73-75 '67.

STAROSSEL'YE (UKRAINE)—ECONOMIC CONDITIONS

Festive looks of Starosel'ye. N. Voronina. Agitator 35 no. 11 20-21 Je '67.

STARS

Explanation of the anomalous helium content in the 3 Cen A star. I. D. Novikov, R. A. Suniaev. Astron. zhur. 44 no. 2 320-327 '67.

STARS—ATMOSPHERES

Flares of the UV Ceti-type stars. R. E. Gershberg. Usp. fiz. nauk 92 no. 1 65-73 My '67.

STARS—CONSTITUTION

Influence of absorption in lines on the internal constitution of massive stars. V. S. Imshennik, D. K. Nadezhin. Astron. zhur. 44 no. 2 377-380 '67.

STARS—MOTION IN LINE OF SIGHT

Peculiar motions of the O and B stars. R. B. Shatsova. Astron. zhur. 44 no. 2 306-308 '67.

STARS—OBSERVATIONS

Conditions of the existence of the corona in spherically symmetrical star systems. K. F. Ogrodnikov. Astron. zhur. 44 no. 2 390-395 '67.

Starry sky and planets in January and February of 1967. A. D. Molodtsov, F. M. Poroshin. Zem. i vesl. 2 no. 6 73-76 N-D '66.

STARS—PROPER MOTION

Peculiar motions of the O and B stars. R. B. Shatsova. Astron. zhur. 44 no. 2 306-308 '67.

STARS—SPECTRA

Detailed analysis of the spectral lines of Wolf-Rayet type stars. Lua-Van-Long. Astron. zhur. 44 no. 2 283-294 '67.

Spectrum of Cygni in 1964. L. Lund. Astron. zhur. 44 no. 2 267-277 '67.

STARS, VARIABLE

About eight little-known variables. T. G. Nikulina. Bul. Inst. astrofiz. AN Tadzh. SSR no. 45 17-31 '66.

About five variable stars in Vulpecula. G. E. Eriokosova. Bul. Inst. astrofiz. AN Tadzh. SSR no. 43/44 37-52 '66.

Flares of the UV Ceti-type stars. R. E. Gershberg. Usp. fiz. nauk 92 no. 1 65-73 My '67.

Investigation of the period of the eclipsing variable RY Per. N. M. Shakhovskoi. Bul. Inst. astrofiz. AN Tadzh. SSR no. 45 32-42 '66.

On 10 little-known variable stars. T. G. Nikulina. Bul. Inst. astrofiz. AN Tadzh. SSR no. 43/44 33-61 '66.

Photoelectric observations of variable stars. Report No. 1. N. M. Shakhovskoi. Bul. Inst. astrofiz. AN Tadzh. SSR no. 13/41 3-20 '66.

Photoelectric observations of variable stars. Report No. 2. T. G. Nikulina. O. I. Vasil'yanovskaya. Bul. Inst. astrofiz. AN Tadzh. SSR no. 43/44 1-21 '66.

Spectrophotometric study of the eclipsing variable system AR Lac. S. M. Azimov. Soob. Shem. astrofiz. obser. no. 6 66-75 '67.

STARS, VARIABLE—OBSERVATIONS

Electrophoretic observations of DD Lac. S. Z. Omerov, M. S. Gadzhiev, E. B. Gusev. Soob. Shem. astrofiz. obser. no. 6 12-50 '67.

Photoelectric and spectrographic observations of UV Ceti (flare) in 1965. R. E. Gershberg, P. F. Chugainov. Astron. zhur. 44 no. 2 260-266 '67.

STATE, THE

Discussing the problems of the nation and state. S. T. Kalinkhan, Z. M. Khlonina. Vop. ist. 42 no. 5 1-11 '67.

STATE FARMS

(see also subdivision under Kustanay Province; Tselingrad Province; Voronezh Province)

Construction and development of state farms. G. I. L. Ikon. sel'khoz. 12 no. 5 31-38 '67.

STATE FARMS—ACCOUNTING

(see also subdivision under Donetsk Province)

Developing accounting on state farms. A. Maichenko. Buhg. uch. 26 no. 5 18-49 My '67.

STATE FARMS—COSTS see subdivision under Kharkov Province

STATE FARMS—FINANCE

(see also subdivision under Kharkov Province; Rostov Province; Ukraine, White Russia)

Novozhlyov, I. V. [Policy toward profitability] Kurs na rentabelnost'. [Khar'kovsk] Khar'kovskoe knizhnoe izd-vo, 1966. 83 p. (Uch. i khoz. zhurnalov)

On completely converting state farms to business accounting. I. Volovchenko. Ekon. sel'khoz. 42 no. 5 1-11 '67.

A state farm gives profit. H. Stra. Ekon. rad. Ukr. 10 no. 3 21-24 Mr '64.

STATE FARMS—MANAGEMENT

(see also subdivision under Kazakhstan)

State farm is the winner in a competition. B. I. Ilatov. Ekon. sel'khoz. 12 no. 5 20-21 '67.

STATESMEN, CAMBODIAN

People and events: Norodom Phumrasa. Nov. viem. 25 no. 24/26 Je '67.

STATESMEN, NIGERIAN

People and events: Peter-Ayo Cui Joseph, Milentije Popovic, Mika Spiljak. Nov. viem. 25 no. 25 13, 10 Je '67.

STATESMEN, PAKISTANI

People and events: Syed Sharfuddin Pirzada; Stoyan Gyurov. Nov. viem. 25 no. 21/22, 22 My '67.

STATESMEN, YUGOSLAV

People and events: Peter-Ayo Curtin Joseph; Milentije Popovic, Mika Spiljak. Nov. viem. 25 no. 25 13, 10 Je '67.

STATISTICAL DECISION

What hinders the use of statistical control. M. Naidenov. Stand. i kach. 31 no. 5 75-76 My '67.

STATISTICAL MECHANICS

Limits of the statistical description of a nonlinear wave field. G. M. Zaylavskii, R. Z. Sagdeev. Zhur. eksp. i teor. fiz. 52 no. 4 1081-1091 '67.

STATISTICS—CONGRESSES

The First Academic Conference of the Young Specialists of the Central Statistical Administration of the U. S. S. R. R. Z. Vest. stat. no. 5 88-93 '67.

STAVES AND STAVE TRADE—TRANSPORTATION

Application of linear programming to the selection of efficient system in stave transportation. L. N. N. Savetayev. Ryb. khoz. 43 no. 5 70-75 '67.

STAVROPOL—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Heroes do not die. L. Prozorova. Sots. zakon. no. 6 26-28 My '67.

STAVROPOL TERRITORY—AGRICULTURAL WORKERS

Demand for political lectures. V. I. Shustikov. Agitator 35 no. 10 45-47 My '67.

STAVROPOL TERRITORY—COOPERATIVE MARKETING OF FARM PRODUCE

Important problems of cooperative procurements. N. P. Piatrenko. Zakup. sel'khoz. prod. no. 2 20-23 F '67.

STAVROPOL TERRITORY—HAY

Overall mechanization of the production of grass feed. G. Pisarenko. Tekh. v sel'khoz. 27 no. 5 12-11 '67.

STAVROPOL TERRITORY—PETROLEUM GEOLOGY

Borisenko, Z. G., and M. N. Soson. [Methodology of refining estimated parameters in evaluation of petroleum reserves, as exemplified by re-estimation of oil reserves by the volumetric method in the pools of the Kuma oil- and gas-bearing region] Metodika utocneniya podschetykh parametrov pri pereoshtenke zapasov nefli, na primere pereoshtenki zapasov nefli ob'ednymy metodom po zalezham Prikumskoi nefte-gazonosnoi oblasti Moskva, Nedra, 1967. 91 p.

STAVROPOL TERRITORY—STUDENT ACTIVITIES

With the young technicians of Stavropol Territory. G. A. Nechaev. Shkola i protiv. 11 no. 5 51-52 My '67.

STAVROPOL TERRITORY—WATER—PURIFICATION

Increasing effectiveness of horizontal settling basins. N. A. Karamitrov, V. N. Kvasova. Gid. i mel. 19 no. 4 66-72 Ap '67.

STEAM

Determining economic effectiveness of steam heat treatment of formation. V. A. B. agin, E. N. Bedosian, A. R. Gaushev. Nefteprom. delo no. 3 27-33 '67.

Possibility of wetting kizel Basin coals with steam. I. U. A. Osipov, I. U. V. Kuznetsov. Nauch. study Perm. NIUI no. 7 211-216 '64.

Thermometric sleeve pipe with small heat inertia for measuring temperatures of steam and gases. P. Antishchik. Cherny. Teploenergetika 14 no. 2 81-88 F '67.

STEAM—THERMODYNAMICS

Theory of the distribution of nonvolatile substances between boiling water and equilibrium steam. D. G. TSKhivashvili. Soob. AN Gruz. SSR 16 no. 2 149-102 My '67.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM POWER PLANTS

Basic steam vapor systems. I. I. Kirilov and others. Teploenergetika 14 no. 5 10-13 My '67.

Increasing efficiency in the use of central heating turbines in power systems. S. I. A. Belinskii. Teploenergetika 14 no. 2 20-27 F '67.

Romanov, A. A. [The first steam-gas power plant] Pervaya parogazovaya ustanovka, [Leningrad] Energiya, 1967. 100 p.

STEAM TURBINES

(see also subdivision under United States)

Dependence of relative expansions of the rotor on the thermal state of the turbine. B. V. Shostakovich, Z. I. Kantor, M. L. Kichigin. Energomashinostroyeniye 13 no. 4 15-18 Ap '67.

Design changes in the equipment of a loading steam-gas system. V. K. Shebalov and others. Energomashinostroyeniye 13 no. 5 27-20 My '67.

Designing the hull wall of a steam turbine. A. A. Voznesenskiy. Energomashinostroyeniye 13 no. 1 38-39 Ja '67.

Determination of optimal twist of a flow behind a turbine stage. A. M. Topunov. Teploenergetika 14 no. 5 30-41 My '67.

Equation of state of superheated water vapor applicable to the calculation of turbines using electronic digital computers. M. P. Vukalovich, V. N. Zubarev, L. V. Sergeeva. Teploenergetika 14 no. 5 60-66 My '67.

Evaluation of maximal stresses in the chamber stage of T-type blade tails of turbines. A. E. Ugorskiy. Energomashinostroyeniye 13 no. 4 13-15 Ap '67.

Future application of gas turbines and steam-gas systems in power engineering. S. A. Zykov and others. Teploenergetika 14 no. 6 2-5 My '67.

Increasing efficiency in the use of central heating turbines in power systems. S. I. A. Belinskii. Teploenergetika 14 no. 2 20-27 F '67.

Lipsman, V. S., S. I. Lipsman, and A. T. Muzyka. [Adjustment and operation of industrial steam turbines] Naladzka i ekspluatatsiya promyshlennykh parovykh turbin. Moskva, Energiya, 1967. 216 p.

Molasses separation in the blade channel of a steam turbine. Kh. Kh. Tsigler. Energomashinostroyeniye 13 no. 4 23-25 Ap '67.

Optimal temperature of regenerative superheating of the feedwater of large turbines with back pressure. D. M. Budnitskiy, B. B. Kazanovich, M. I. Motovilova. Teploenergetika 14 no. 5 32-38 My '67.

STEAM TURBINES (Continued)

- 1) 1964 present-day trends in the development of steam turbines. V. A. Lashin. *Energomashstroenie* 13 no. 1:16-19 Ja '67
- 2) Investigation of the characteristics of the operation of steam turbines. I. A. Chervinskii. *Energomashstroenie* 13 no. 1:41-42 My '67
- 3) The effect of the design of the inlet pipes of steam turbines. A. I. Zaslavskii, R. A. Dzhakh. *Teplotekhnika* 14 no. 2:71-73 F '67
- 4) The effect of the design of the characteristics of a radial centrifugal turbine. V. A. B. and others. *Teplotekhnika* 14 no. 2:54-60 F '67

STEAM TURBINES—BLADES

- 1) Increasing the working of large turbine blades during machining operations. A. O. Stenko, B. M. Fedorov. *Energomashstroenie* 13 no. 1:20-31 Ja '67
- 2) Determination of the working blades of the terminal stages of steam turbines during machining. S. N. Kuperstok, A. S. Kuznetsov, I. G. Kerdman. *Energomashstroenie* 13 no. 1:31-35 Ja '67

STEAM TURBINES—FOUNDATIONS

- 1) Determining the spectrum of natural frequencies of the foundation of a steam turbine unit. M. N. Sankin, V. M. Fridman, V. D. Shierlov. *Tekhn. LPI* no. 266:75-81 '66

STEAM TURBINES—MAINTENANCE AND REPAIR

- see subdivision under Prolava Province

STEAM TURBINES, MARINE

- 1) Calculating the torque characteristics of marine steam turbines. Kh. A. Gurevich, F. G. Epstein. *Sudostroenie* 57 no. 4:25-28 Ap '67
- 2) Studying the performance of marine turbines with diffusers. S. F. Abramovich, F. F. Samsonov. *Sudostroenie* 57 no. 3:29-30 Mr '67

STEAMPIPES

- 1) Automation of the machining of pipes in the boiler industry. M. E. Barskii and others. *Energomashstroenie* 13 no. 4:29-31 Ap '67
- 2) Experimental study of actual steam content in the boiling of underheated water in vertical pipes. G. G. Bartolomei, V. M. Cherturba. *Teplotekhnika* 14 no. 2:80-83 F '67
- 3) Letter to the editor. *Energomashstroenie* 13 no. 4:45-46 Ap '67
- 4) Prolongation of the life of the metal of heating surfaces of steam pipes operating under sliding pressure. V. I. Girshfeld, F. G. Skokskaya. *Teplotekhnika* 14 no. 2:54-58 F '67
- 5) Study of temperature conditions of heated pipes at supercritical pressures. L. I. U. Kravskaya and others. *Energomashstroenie* 13 no. 1:1-4 Ja '67
- 6) Temperature conditions of a welded panel from finned pipes. I. A. Zholudov, N. M. Sviridova. *Energomashstroenie* 13 no. 4:4-6 Ap '67

STEAMPIPES—WELDING

- 1) Argon arc welding of steam superheating pipe in 12Kh1MF steel. S. F. Bogushchikov, V. E. Zavedev. *Svar. prozv.* no. 5:41-42 My '67

STEARIC ACID

- 1) Stability of butylstearate. G. P. Stepanishcheva and others. *Plast. massy*, no. 5:48-49 '67

STEBUT, IVAN ALEKSANDROVICH, 1833-1923

- 1) Patriarch of Russian farming. V. Surlinov. *V mire knig*

STEEL

- 1) Effect of alloying and thermal treatment on strength increase and cavitation resistance of alloys with aging martensite. L. S. Malinov, T. M. Masiskova, V. A. Strizhak. *Energomashstroenie* 13 no. 5:29-32 My '67
- 2) Effect of borating on certain physical and mechanical properties of steel 45. V. S. Zamikhovskii, V. I. Pokhmurskii, G. V. Karpenko. *Fiz.-khim. mekh. mat.* 3 no. 2:182-188 '67
- 3) Effect of diffusion chromizing on certain physical and mechanical properties of carbon steel. V. B. Daltsov, V. I. Pokhmurskii, G. V. Karpenko. *Fiz.-khim. mekh. mat.* 3 no. 2:172-177 '67
- 4) Protection from corrosion cracking of high-strength carbon steel with the aid of acid corrosion inhibitors. I. I. Vasilenko, N. N. Tkachenko, I. I. Lishchinskii. *Fiz.-khim. mekh. mat.* 3 no. 2:169-171 '67

STEEL—BRITTLENESS

- 1) Brittle strength of elements of thick-walled vessels in 22K steel during axial tension. N. P. Melnikov, A. S. Dovzhenko. *Svar. prozv.* no. 5:9-12 My '67
- 2) Determining the critical temperature of cold brittleness of cast steel. S. E. Kovchik and others. *Fiz.-khim. mekh. mat.* 3 no. 2:232-236 '67
- 3) Effect of hydrogen on properties of iron and its alloys. M. Smialovski. *Zashch. met.* 3 no. 3:287-291 My '67
- 4) Investigating the nature of reversible temper brittleness of steel by internal friction method. E. E. Glikman, I. U. V. Gordin, I. U. V. Figurov. *Metall. i term. obr.* no. 4:2-10 Ap '67

STEEL—COLD WORKING

- 1) Nature of hardening by low-temperature tempering of cold-worked carbon steels. K. F. Starodubov, V. K. Babich, V. A. Pirogov. *Fiz.-khim. mekh. mat.* 3 no. 2:201-204 '67

STEEL—CORROSION

- 1) Effect of copper ions on the corrosion of low-carbon steel in hydrochloric acid. V. M. Chistakov, P. A. Konfir, P. V. Kupreev. *Izv. vuzov ucheb. zav. khim. i khim. tekhn.* 10 no. 3:361-362 '67
- 2) Epoxy-polyisobutyl priming paints for the corrosion protection of cleaned metal during the preassembly period. T. N. Seredniakova, P. F. Degtiarev. *Sudostroenie* 57 no. 3:51-53 Mr '67
- 3) Testing the corrosion resistance of steels in the roast gas of sulfuric acid production. A. N. Kuzlukov, N. P. Pilagina. *khim. prom. Ukr.* no. 5:55 S-O '66

STEEL—ELECTROMETALLURGY

- 1) Kinetics and control of the decarburization process during the blowing of an electric furnace bath with oxygen. R. M. Khairutdinov. *Teor. i prak. met.* no. 7:53-58 '64

STEEL—ETCHING

- 1) Thermal etching of transformer steel. V. E. Kochenov, V. A. Gol'dshteyn. *Teor. i prak. met.* no. 7:215-219 '64

STEEL—FATIGUE

- 1) Calculating the fatigue characteristics of welded joints in hydrofoils. B. P. Kuzovnikov, I. N. Shavrov. *Sudostroenie* 57 no. 5:9-12 My '67
- 2) Determining the endurance limit in case of an unsymmetrical cycle of stresses. P. I. Nezhentsev. *Sudost. i mor. soor.* no. 2:143-149 '66
- 3) Lowering the fatigue limit of preliminarily stretched steel. G. T. Nazarenko. *Fiz.-khim. mekh. mat.* 3 no. 2:213-217 '67

- 4) Stability of the plastic and fatigue properties of 1X18H9T steel under prolonged static load in a vacuum and in liquid lithium. G. G. Maksimovich, S. V. Nagirnyi, N. P. Drozd. *Fiz.-khim. mekh. mat.* 3 no. 2:223-126 '67

STEEL—FRACTURE

- 1) Characteristics of brittle failure of welded structures in rolling stock and measures to prevent them. M. M. Krachuk. *Svar. prozv.* no. 3:22-26 Mr '67

STEEL—HARDENING

- 1) Effect of quenching speed on crack formation in steel hardening. I. U. Bogatirev, K. Z. Shopenikovskii, I. N. Shkharov. *Metall. i term. obr.* no. 4:15-22 Ap '67
- 2) Effect of strain hardening on volumetric and structural changes in carbon steel. G. I. Babushkina. *Metall. i term. obr.* no. 4:13-14 Ap '67
- 3) Thermomechanical treatment of steel during isothermal transformation of supercooled austenite. S. M. Barsanov, S. I. Karatashin. *Metall. i term. obr.* no. 4:67-69 Ap '67

STEEL—HEAT TREATMENT

- 1) Precipitation hardening of alloys deformed at ultra-high speed. V. F. Sukhovarov, L. A. Kudryavtseva, A. I. Kol'chuzhnikina. *Fiz.-khim. mekh. mat.* 3 no. 2:210-212 '67
- 2) Residual microdistortions of 17GS low carbon steel. G. V. Grigorian and others. *Metall. i term. obr.* no. 4:53-54 Ap '67
- 3) Thermomechanical treatment to obtain isotropic materials. O. N. Romaniv, B. V. Kozak. *Fiz.-khim. mekh. mat.* 3 no. 2:205-209 '67

STEEL—INCLUSIONS

- 1) Nonmetallic inclusions in large, rimmed steel, sheet, billets. D. G. Molonov, I. U. P. Bollaev, G. V. Serdyukov. *Met. i gornorud. prom.* no. 2:21-22 Mr-Apr '67

STEEL—METALLOGRAPHY

- 1) Development of slip bands on a steel surface during fatigue testing. A. V. Gur'ev, G. I. Stollarov. *Izv. AN SSSR, Met.* no. 2:133-136 My-Je '67
- 2) Distribution of plastic deformations in polycrystalline metals. B. A. Kuznetsov. *Izv. AN SSSR, Met.* no. 3:105-108 My-Je '67
- 3) Effect of electric pulse treatment on the structure of surface layers. M. S. Beletskii, T. N. Smirnova, G. I. Tkach. *Metall. i term. obr.* no. 4:48-50 Ap '67
- 4) Effect of speed of quenching on the structure and hardness of hardened steel. G. M. Vorob'ov, A. F. Siukhin, V. I. Popova. *Metall. i term. obr.* no. 4:73-74 Ap '67
- 5) Effect of ultrasonic waves on phase transformations in steel. I. Sh. Tsimadze, F. N. Tavazde. *Soob. AN Gruz. SSR* 46 no. 1:149-154 Ap '67
- 6) Investigating the interaction between carbon and phosphorus in steel by autoradiography method. V. V. Murali, N. E. Garbuzova, P. L. Gruzin. *Metall. i term. obr.* no. 4:10-12 Ap '67

- 7) Kinetics of the growth of Widmanstätten crystals of cementite in steel. B. A. Leon'ov, M. P. Maivaya, T. I. Sheliagina. *Izv. AN SSSR, Met.* no. 3:122-127 My-Je '67

STEEL—METALLURGY

- 1) Conditions for the passage of aluminum from synthetic slag into the metal. N. I. Biriukov. *Teor. i prak. met.* no. 7:35-43 '64
- 2) Metal oxidation in open-hearth furnaces and oxygen-blown converters. V. I. Avolskii and others. *Izv. AN SSSR, Met.* no. 3:15-22 My-Je '67
- 3) Optimum content of residual aluminum in low-carbon steel. I. I. Bokov, L. G. Shub. *Teor. i prak. met.* no. 7:83-89 '64
- 4) Oxidation of sulfur dissolved in liquid iron by gas-phase oxygen. I. U. A. Minaev, V. A. Grigorian. *Izv. AN SSSR, Met.* no. 3:30-35 My-Je '67
- 5) Properties and structure of carbon steel with ferrite additions. P. A. Parkhomenko and others. *Met. i gornorud. prom.* no. 2:11-14 Mr-Apr '67
- 6) Steelmaking for deep and very deep drawing in member countries of the Mutual Economic Assistance Council. I. S. Morakhovskii, V. M. Borovskii, M. N. Tsylin. *Met. i gornorud. prom.* no. 2:23-24 Mr-Apr '67

STEEL—PICKLING

- 1) Effect of oxidizing agent additives in steel pickling on the adhesion of enamel coatings. L. S. Savin, V. V. Ovchinnikova, L. F. Salamakha. *Zashch. met.* 3 no. 1:110-112 My-Je '67
- 2) Effect of oxidizing agents on the dissolution of low-carbon steel in sulfuric acid and the quality of enamel coatings. L. S. Savin and others. *Zashch. met.* 3 no. 3:113-118 My-Je '67

STEEL—PLASTIC PROPERTIES

- 1) Improving plastic properties of St. 45 carbon steel ingots for forging. S. L. Levin and others. *Met. i gornorud. prom.* no. 2:9-11 Mr-Apr '67

STEEL—QUENCHING

- 1) Compressed air as quenching medium in surface hardening. P. A. Lankin. *Metall. i term. obr.* no. 4:23-24 Ap '67

STEEL—TESTING

- 1) Behavior of soft steel in tests under recurrent static bending loads. L. V. Kudryavtsov, L. A. Sovnovskii. *Zav. lab.* 33 no. 3:344-349 '67
- 2) Checking the cold hardening of steel parts taking into account all the electro-magnetic parameters. V. G. Pustynnikov, S. S. Svetaev. *Zav. lab.* 33 no. 3:300-311 '67
- 3) Engineering properties of some steels at low temperatures. S. N. Vladimirovskaya and others. *Vest. mashinostro.* 47 no. 5:67-80 My '67
- 4) Investigating steels hardened in nitrogen-diluted ammonia. A. N. Minkevich, I. U. V. Sorokin. *Metall. i term. obr.* no. 4:61-63 Ap '67
- 5) Phase analysis of quick cutting steels. N. I. Lashko, I. U. A. Khachko. *Zav. lab.* 33 no. 3:307-309 '67
- 6) Phase constitution and properties of two-phase OKh21N8M2T steel. M. N. Kul'kova, A. D. Devchenko, A. P. Okenko. *Metall. i term. obr.* no. 4:400-71 Ap '67
- 7) Ultimate resistance of specimens of a steel 15 subjected to alternating tension with a minor coefficient of cyclic asymmetry. P. A. Pavlov. *Tekhn. LPI* no. 278:12-46 '67

- 8) Use of the magnetoelastic method in measuring stresses in magnetically hard steels. M. M. Shchel', *Zav. lab.* 33 no. 3:306-309 '67

STEEL—THERMAL PROPERTIES

- 1) Investigating processes of heating different brands of steels on EI-12-type network models taking into consideration changes in their physical properties. N. I. Talis and others. *Met. i gornorud. prom.* no. 2:46-49 Mr-Apr '67

STEEL—WELDING

- 1) Bolchuk, G. A., V. R. Rinov, and V. I. Umatova. [Present state of the technology of argon-arc welding of aluminum and its alloys to steel] *Sovremennoe sostoyanie tekhnologii argono-dugovoi svarki aluminia i ego spлавov so stal'yu*. Leningrad, 1967, 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Progressivnye melodi obrabotki materialov)
- 2) Investigating welding properties of Sv-08G2S wire made in oxygen-blown converters. V. A. Savchenkov, S. I. Orlovich. *Svar. prozv.* no. 5:27-29 My '67
- 3) Reaction of heat-treated 36 KhNM steel to the thermal cycle of welding. A. M. Dzhaferov. *Za tekhn. prog.* 7 no. 2:28-30 F '67

STEEL, STAINLESS—CORROSION

- 1) Effect of fluorine ion on the corrosion of OKh18NiOT steel in water and high-pressure steam. A. I. Gromova, V. N. Belous, V. V. Gerasimov. *Zashch. met.* 3 no. 3:356-357 My-Je '67
- 2) Pitting corrosion of stainless steel containing chlorine ions. G. Muller, G. I. Tashov. *Zashch. met.* 3 no. 3:305-313 My-Je '67

STEEL, STAINLESS—ELECTROMETALLURGY

Influence of rare earth elements on properties of austenitic chromium-nickel steel V K Farafonov and others Metalloved i term obr met no.4 50-53 Ap '67

STEEL, STAINLESS—METALLOGRAPHY

Effect of silicon, molybdenum, and copper on the structure, hardness and corrosion resistance of OKh18N20 steel. L I Tavadze Soob AN Gruz.SSR 46 no.1 155-160 Ap '67

STEEL, STRUCTURAL—BRITTLENESS

Influence of structure on tendency to brittle failure of OKh18MA steel O N Meshchenova, V N Zikeev, O G Sokolov Metalloved i term obr met no.4 34-35 Ap '67

STEEL, STRUCTURAL—CORROSION

Corrosion of steel reinforcement in concrete with cracks. V I Novgorodskii Zhur, prikl khim 40 no.3 555-560 31r '67.

STEEL, STRUCTURAL—HARDENING

Investigating combined hardening of rail samples. A. A. Sazonova, L. F. Molotkov. Met. i gornorud prom., no.2 42-45 Mr-Apr '67

STEEL, STRUCTURAL—HEAT TREATMENT

Tendency toward aging in rail steel depending on methods of heat treatment. I. G. Filonov, V. S. Orgilan, A. M. Karpunin Met. i gornorud. prom., no.2:41-42 Mr-Apr '67.

STEEL, STRUCTURAL—TESTING

Effect of alloying elements on properties of structural chromium-manganese steel A P Gultsev, R. M. Guseinikhiev Metalloved i term obr met no.1-27-33 Ap '67.

Fatigue resistance of some machinery steels M. M. Goshlerg, V N Iushkevich Trudy LPI no.278 70-73 '67

STEEL ALLOYS—CLASSIFICATION

Classification of alloyed steels and designation of brands. V. K. Dvorovoi, Stand. i kach. 31 no.5:81 My '67.

STEEL ALLOYS—TESTING

Effect of chromium plating on the fatigue strength of alloyed steel. I B. Kislanski, P. P. Skuratovich. Prom. Bel. 10 no.4 64 Ap '67.

STEELCASTINGS

Vertical knife gating systems in the production of steel castings. P. F. Vasilevskii, M. A. Bykov Lit. proizv. no.5 4-5 My '67.

STEEL ELECTRODES see Electrodes, Steel

STEEL FORGINGS

Effect of the forging technology on quality of reducing gear I. G. Generson Kuz. -shim. proizv. 9 no.3 3-6 My '67.

Increasing the strength properties of EP543 alloy forgings by means of an efficient technology of upset and drop forging V. A. Zakharov, M. I. Ustimenko, I. P. Podipalov Kuz. -shim. proizv. 9 no.4 1-7 Ap '67.

Making forgings from rectangular blanks made on continuous casting equipment I. A. Nennednikov, A. P. Sakhkov, I. U. A. Proshagin, Kuz. -shim. proizv. 9 no.4 45 Ap '67.

STEEL FORGINGS—DEFECTS

Studying conditions of the formation of internal cracks in large forgings during the upsetting of blanks of EI-437 alloy. B N. Kazarinov. Teor. i prak. met. no.7 220-228 '64.

STEEL FORGINGS—HARDENING

Aging of cast, unannealed, and hot-forged carbon steel. I. N. Khoroshev, V. M. Zhurakovskii. Metalloved. i term. obr. met. no.4:36-39 Ap '67

STEEL INDUSTRY

(see also subdivision under Kuznetsk Basin; Moscow; Sverdlovsk Province)

An important branch. A. Rissnol. Agitator no.24:10-13 D '61.

In the hot workshops of our land, facts and figures. An article dedicated to the Day of Steelworkers.

Agitator 35 no.11:30-32 Je '67.

Rapid development of Soviet metallurgy. E. Abramchenko. Agitator. no.12:25-27 Je '61.

STEEL INDUSTRY—CONGRESSES

Fourth Plenum of the Scientific Technological Society for Ferrous Metallurgy. Ogneupory 32 no.4:1-2 '67.

STEEL INDUSTRY—FINANCE see subdivision under Donetsk Basin

STEEL INDUSTRY—LABOR PRODUCTIVITY

Let us give the country a larger production in ferrous metallurgy in the anniversary year, (at a conference of active members of the Party and economic organizations in enterprises of ferrous metallurgy of the Ukraine). P. G. Shengur. Met. i gornorud. prom. no.2:90-92 Mr-Apr '67.

STEEL INDUSTRY—MANAGEMENT

[Organization and planning of enterprises, standard reference materials for the preparation of a course and diploma project] Organizatsia i planirovanie predpriiati, normal'no-spravochnye materialy k kursovomu i diplomnomu proektirovaniu Leningrad, 1966. 85 p.

Savinov, A. I. [Organization and planning of enterprises, an aid for the preparation of a course project] Organizatsia i planirovanie predpriiati, posobie po kursovomu proektirovaniu. Leningrad, 1966. 36 p.

STEEL INGOTS

Bakumenko, S. P., B. B. Gullae, and E. V. Verkhovtsev. [Reducing discards from steel ingots] Snizhenie otkhodov stal'nogo slitka. Moskva, Metallurgiya, 1967. 217 p.

Heat balance of a 2.7-ton ingot. A. G. Tsiapunov, I. U. D. Smirnov, V. N. Davidluk Teor. i prak. met. no.7 69-82 '64

Rolling heavy ingots on slabbing mills. L. V. Andriuk. Teor. i prak. met. no.7 120-133 '64.

STEEL INGOTS—CORROSION

Decarburization and scale formation during the heating of tool steel ingots in forge shop induction heaters V. V. Lashin, B. M. Litvinov, O. I. Kiyun Kuz. -shim. proizv. 9 no.5 33-34 My '67

STEEL INGOTS—DEFECTS

Nonmetallic inclusions in large, rimmed steel, sheet, billets. G. D. Molonov, I. U. P. Balaev, G. V. Sordlukov. Met. i gornorud. prom. no.2:21-22 Mr-Apr '67

Segregation defects in ingots made by arc furnace vacuum smelting. F. I. Shved, I. U. D. Smirnov, G. A. Khasin. Teor. i prak. met. no.7 59-68 '64

Ways of improving the quality of ingots for wheel steel. V. M. Kirsanov and others. Met. i gornorud. prom. no.2 14-17 Mr-Apr '67.

STEEL PIPE see Pipe, Steel

STEEL RINGS see Rings, Steel

STEEL (ARCHAEOLOGY) see subdivision under Terebovlya District

STEPANOV, ALEKSANDR NIKOLAEVICH, 1890-

How "Port-Air" was written; on the seventy-fifth anniversary of the birth of A. N. Stepanov. N. Velengurin. Sov. voen. 49 no.2 36 Ja '67.

STEPANOV, NIKOLAI NIKOLAEVICH, 1885-1986

Nikolai Nikolaevich Stepanov; obituary. Izv. vys. ucheb. zav.; geod. i aerof. no.5:135-136 '66

STEREOCHEMISTRY

Alkox compounds. Part 20: Synthesis and some problems of stereophosphorchemistry of alkoxyalkyl-substituted 1,3,2-dioxaphosphinanes. A. V. Bogatskii and others. Zhur. ob. khim. 37 no.5 1105-1110 My '67.

Configurational correlations in asymmetric catalysis E. I. Klabinovskii Dokl. AN SSSR 173 no.6:1378-1381 Ap '67

Correlation between some properties of stereoisomeric dialkylcyclohexanes and their thionure adducts. B. M. Lerman, A. L. Liberman. Dokl. AN SSSR 173 no.6 1339-1340 Ap '67.

Determination of stereo configuration of organic compounds by means of stable isotope. E. G. Rozantsev, L. A. Krut'skaya. Izv. AN SSSR. Ser. khim. no.5:1137-1139 My '67

Method of calculating the number of isomers in the stereochemistry of complex compounds. Part 4 Multinuclear complex compounds. I. V. Kivoshel. Zhur. strukt. khim. 8 no.2:321-324 Mr-Apr '67.

Synthesis of stereoisomeric substituted 1,3,2, -oxazaphosphonanes. N. B. Kaz'mina, I. L. Krunians. Izv. AN SSSR. Ser. khim. no.4:913-915 Ap '67.

STEREOPHONIC SOUND SYSTEMS

RD-65 stereophonic record player. S. Kishinevskii. Radio no.5:27-28 My '67.

STEREOSCOPIC PHOTOGRAPHY see Photography, Stereoscopic

STEREOSCOPY

Drawing in space. V. Drulanov. Izobr. i rats. no.4:10-11 '67.

STERILITY IN PLANTS

Microsporogenesis and development of pollen grains in winter wheat lines with cytoplasmic male sterility. N. I. Savchenko. TSU. i gen. 1 no.3:28-37 My-Je '67.

STEROID HORMONES—THERAPEUTIC USE

Case of using steroid hormones in acute dystrophy of the liver. L. D. Fukel'man, Voen.-med. zhur. no.5 77-78 My '67.

STEROIDS

Analogues of steroid compounds without ring B. Report No. 2: D-homocosterone derivatives without ring B. A. A. Akhrem, I. U. A. Titov, Z. A. Kravchenko. Izv. AN SSSR. Ser. khim. no.4:855-858 Ap '67.

Analogues of steroid compounds without ring B. Report No. 3. Synthesis of 2-methyl-3-acetyl-4-(p-aniloyl)- Δ^5 -cyclo-1-hexenone acid and its derivatives A. A. Akhrem and others. Izv. AN SSSR. Ser. khim. no.5:1098-1104 My '67

Derivatives of steroids with condensed heterocycles. A. A. Akhrem, I. U. A. Titov. Usp. khim. 36 no.5 745-776 My '67.

Transformed steroids. Report No. 9: Reaction of 16 α , 17 α -oxide of 16 β -methyl-4 α , 16 β -pregna-3 β -dienol-20-one with carbamoylhydrazine. A. A. Akhrem and others. Izv. AN SSSR. Ser. khim. no.4 850-854 Ap '67.

STEROIDS—PHYSIOLOGICAL EFFECT

Spontaneous ruptures of the ovaries in steroid therapy A. M. Korolev Sov. med. 30 no.5 116-119 My '67

STIBINE

Reactivity of diphenylstibine. A. N. Nemesianov, A. E. Borisov, N. V. Novikova Izv. AN SSSR. Ser. khim. no.4:815-818 Ap '67.

Use of phenylstibonic acid and its nitro substituents in microcrystallographic analysis of alkaloids and their synthetic substitutes. S. G. Pligin Farmatseia 16 no.2 55-57 Mr-Apr '67

STILBAZO

Spectrophotometric study of the reaction of rare earth elements of the yttrium subgroup with stilbazol M. K. Akhmedil, P. B. Granovskaya. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no.3:271-276 '67.

STILBENE—SPECTRA

Infrared absorption spectra of polychloroethylene. E. F. Kozyreva, I. U. A. Nizhdina. Vysokom. soed. Ser. A 9 no.4:883-888 Ap '67.

STILL-LIFE PAINTING see subdivision under Azerbaijan

STOCHASTIC PROCESSES

Applicability of the method of averaging of functional corrections in determining the spectral density of an error in a modulated pulse excitation system M. M. Gal'. Ukr. mat. zhur. 19 no.3 95-103 '67.

Average time of the first attainment of boundaries of a given region by an ergodic random process. I. A. Fomin. Radiotekh. i elektron. 12 no.6:1090-1093 Je '67.

Calculation of the density of the flow of nulls, extremum and inflection points for a steady-state process. Radiotekh. i elektron. 12 no.6:1093-1095 Je '67.

Characterization of Poisson point fields in terms of the decomposability of a point field into a limited number of independent components. R. V. Ambatsumian Izv. AN Arm. SSR. Mat. 2 no.1:57-65 '67.

Iterative method for determining an optimal nonlinear filter for a stationary random process. A. S. Kholevo Izv. AN SSSR. Tekh. kib. no.2:103-173 Mr-Apr '67.

Linear estimates of the coefficients of regression of a random field. M. A. Mirzakhmedov. Izv. AN Uz. SSR. Ser. fiz. -mat. nauk 11 no.3:70-71 '67.

Stochastic instability of nonlinear vibrations. G. M. Zaslavskii. PMTF no.2:16-22 Mr-Apr '67.

STOCK AND STOCKBREEDING

(see also subdivision under Chernovtsy; Kursk Province; Ukraine)

Practical training program in livestock breeding: 9th-10th grades Shkola i proizv. 11 no.4:21-23 Ap '67

Soviet zootechny, its achievements and tasks. Vest. sel'khoz. nauk 12 no.5 1-8 My '67.

There are more livestock products. I. Evdokimova. Agitator 35 no.10:56 My '67.

STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

Contribution of me. Tekh. v sel'khoz. Supply farms with feed. NTO 0 no

STOCK AND STOCKBI

(see also subdivision Depreciation allowance Eken. sel'khoz. 42

STOCK AND STOCKBI

subdivision under

STOCK AND STOCKBI

MODELS see subd

STOCK AND STOCKBI

Stockbreeding in the

A. Lutsenko Vest

STOMACH—CANCER

Analysis of the cause and cardia based o

Experimental Surg of the R. S. F. S. R. Mamedova. Azerk

Case of varicella in Norovillo, V. B. Spe

My '67.

- STOMACH—CANCER (Continued)**
Functional tests and morphological changes in the liver in cancer of the stomach. Azerb med zhur, 44 no. 1 31-34 Jan '67.
Our experience in the diagnosis and treatment of gastric cancer. M. A. Mbagka, Klin. khir., no. 3 69-72 Mar '67.
Sarcoma of the stomach in a child. L. M. Bichikhin, Klin. khir., no. 3 81-83 Mar '67.
Surgical treatment of cancer of the proximal portion of the stomach. B. F. Peterson, K. Zh. Musul'manbekov, Vest AN SSSR, 22 no. 48-55 '67.
- STOMACH—DISEASES**
Experience in the diagnosis and prevention of gastric diseases in soldiers during their first year of service. I. A. Tiurin, R. I. Ulanbekov, Voenn. med. zhur, no. 5 78 Mar '67.
Structure of gastric mucous membrane in healthy persons and young patients with gastritis, based on data of aspiration biopsy. L. B. Butim, V. I. Kulakov, I. G. Sidorov, Arkh anat., gist. embri., 52 no. 5 57-63 May '67.
- STOMACH—SECRETIONS**
Comparative study of the secretions of intestinal and gastric glands under emotional stimulation. M. V. Marav'sha, Fiziol. zhur. [Ukr.], 13 no. 3 408-411 May-June '67.
Excretion of acetylcholine by the gastric mucous membrane and its quantitative changes under the effect of ganglionic and quaternary. I. L. Vrubian, Zhur. eksp. i klin. med., 7 no. 113-24 '67.
Role of the hypophysis in the regulation of secretion and trophic function of the gastric mucosa. S. M. Ispovskii, I. Sh. Zaichuk, Pat. fiziol. i eksp. ter. ap., 11 no. 1 63-68 Jan-Feb '67.
- STOMACH—SURGERY**
Late high gastrointestinal obstruction following surgery on the stomach, its prevention and treatment. M. M. Leman, Klin. khir., no. 3 28-31 Mar '67.
Copper metabolism in dogs following gastrectomy and resection of different portions of the stomach. N. A. Kevtunak, Biol. eksp. i med. biol. no. 6 37-40 Apr '67.
Significance of preserving surgery on the stomach. V. A. Kotelnikova, G. K. Kuzchavov, Vest. khir., 98 no. 4 75-79 Apr '67.
Surgical treatment of cancer of the proximal portion of the stomach. B. E. Peterson, K. Zh. Musul'manbekov, Vest AN SSSR, 22 no. 5 18-55 '67.
- STOMACH—TUMORS**
Acute gastric hemorrhage from a decomposing nodule of the stomach. A. V. Korshunov, Vest khir., 98 no. 1, 108-109 Apr '67.
- STONE** see subdivision under Tajikistan
- STONE, CAST**
Obtaining large-size stone castings. S. V. Iadokhin, P. P. Panushkin, B. Kh. Khim. i tekhn. no. 5 11 May '67.
- STONE, CRUSHED**
Physicochemical activation of stone materials in the process of electrohydraulic crushing. L. B. Rezentsev, I. U. N. Patsitskii, Avi. dok., 30 no. 5 24-25 May '67.
Specify the methods for determining dust-like particles of artificial sands. F. R. Pinnis, V. I. Korshunov, Stand. i tekhn., 31 no. 5 12 May '67.
- STONE CASTING—EQUIPMENT AND SUPPLIES**
Hydraulic calculation of gating systems for stone casting. I. U. G. Kovalev, V. A. Chechulin, Izv. vuzov, no. 1 22-25 Apr '67.
- STOPING (MINING)** see subdivision under Krivoy Rog Basin
- STOPING (MINING)—EQUIPMENT AND SUPPLIES** see subdivision under Dnieper Basin
- STOPING (MINING)—MECHANIZATION**
Mechanization of stoping in Kizel Basin. V. Z. Shiriaev, V. F. Suslov, V. P. Dushyev, Nauch. trudy PermNIIGI no. 7, 127-139 '64.
- STOPING (MINING)—MODELS**
Laboratory investigations of sequences of stoping operations. I. A. Kuchelavenko, Sbor. nauch. i inzh. KGU no. 16, 96-103 '63.
- STOPING (MINING)—SAFETY MEASURES** see subdivision under Kizel Basin
- STOPPING POWER (NUCLEAR PHYSICS)**
[Angular correlation of gamma quanta produced by the stopping of negative pions in hydrogen] Uglovaya korrelatsiya γ -kvantov, obrazuyushchikhsya pri ostanovke π^- -mezonov v vodorode. [By] I. M. Vasilovskii, Izv. [Dubna, 1967] 68 p.
- STORAGE BATTERIES**
Measuring the probability ratio of the $\pi^0 \rightarrow \pi^+ \pi^-$ and $\pi^0 \rightarrow \pi^+ \pi^- \pi^0$ reactions. M. A. Musin, V. I. Petukhin, I. U. D. Prokoshkin, Izv. fiz., 5 no. 5 1072-1078 May '67.
- Studying the injection of ions by the method of shooting through thin films. F. M. Zilituk, Trudy IPI no. 277 114-115 '67.
Accelerated charging of accumulators. N. Maslov, I. I. I. sovetsk. Tekhn. vzhikhoz, 27 no. 5 74-76 '67.
Apparatus for recharging storage batteries. D. E. Kirel, Vest. proivovozd. obor., no. 10:84 Oct '66.
Stand for dismantling storage batteries. N. Korotkin, Avi. transport, 45 no. 5 56 May '67.
- STORAGE BATTERIES—DESIGN AND CONSTRUCTION**
Improving the quality of charging equipment with semiconductor diodes for coal industry. V. D. Petunov, Izv. vuzov, no. 5 131-136 '66.
- STRAIN GAUGES**
Methods for increasing operation speed of digital strain measuring systems. F. F. Arnold, M. L. Danchuk, Mashinovedenie no. 3 63-66 May-June '67.
Plasticity of strain measurement under conditions of high hydrostatic pressures. G. K. Ush, E. B. Feldman, Mashinovedenie no. 1 67-74 May-June '67.
- STRAINS AND STRESSES**
Bauschinger effect in the passing from rolling to bending and its aftereffect. V. T. Subkharov and others, Izv. vuzov, no. 1 15-19 '67.
Calculation of stresses acting on the camshaft bearings of automobile engines by the use of electronic computers. S. M. Bishadsh, B. M. Ginzdorf, Dokl. AN Uz. SSR, 23 no. 8 7-10 '66.
Checking of pillar strength on models of various materials. V. L. Vodop'yanov, V. M. Baikovskii, Nauch. trudy PermNIIGI no. 7, 285-297 '64.
Correlation of tension from under stress in an acid medium. V. N. Monkevich, V. V. Romanov, Fiz. khim. mekh. mat., 3 no. 2 149-152 '67.
Determination of stress on hook during motion of drill pipe in slant wells with three-dimensional deviation. D. M. Mahmudov, Azerb. nef. i khim., 16 no. 1 15-18 Apr '67.
Determining estimated stresses on the lining of extraction lifts, maintained in worked-out areas. G. V. Korzh, Izv. vuzov, no. 1 19-51 '66.
Dynamic phenomena in removing shaft cages with mobile baskets from their cushion foundations. P. I. A. Krik, Izv. vuzov, no. 1 118-121 '66.
Effect of the conditions of simultaneously operating hoisting and thrust mechanisms in open-pit mine excavators on stresses in elements of the latter during digging operations. P. I. A. Timoshenko, Izv. vuzov, no. 1 97-105 '66.
Equation of the bonding of laminated structures in a plane-stressed state. E. A. Rychev, L. A. Egorov, Sbor. trudy. LMI no. 55 68-77 '66.
Filippov, A. P., and S. S. Kokhmanuk, [Dynamics effect of movable loads on beams] Dinamicheskoe vozdeistvie podvizhnykh nagruzok na sterzhni. Kiev, Naukova dumka, 1967, 130 p.
Influence of the rolling speed of wheels over a peat bog on its resistance to deformation. M. M. Tanklevskii, Izv. vuzov, no. 1 98-100 '67.
Longitudinal bending and bulging. V. I. Vankov, S. A. Sheshtakov, Mekh. i tekhn., no. 2 157-163 May-Apr '67.
Method for determining the lower limit of damaging spatial stresses. M. E. Gait, V. D. Pavlovskii, Zav. lab., 33 no. 3 349-352 '67.
Normal stresses in a viscoelastic liquid when its turbulent motions are slowing down. V. A. Gaidarov, PMTI no. 3 68-72 May-Apr '67.
On the stressed state of a discrete medium. V. O. Kuz'menko, Dop. AN URSR, Ser. A, 29 no. 5 139-142 May '67.
Plane bend and stretch-compression of a curved thin-walled beam. A. S. Lisovskii, Nauch. trudy ONIIT no. 56 50-54 '65.
Principle of possible changes in the stressed and strained state. V. I. Kolmogorov, Mekh. i tekhn., no. 2 113-118 May-Apr '67.
Problem of the origin of stress in magnetic films. K. A. Kurodov, Izv. AN SSSR, Ser. fiz., 31 no. 5 771-773 May '67.
Protecting draglines against accidental stretching, overwinding, and overhoisting of the bucket. V. P. Lomakin, V. I. Tkachenko, I. A. Faustova, Izv. vuzov, no. 1 121-123 '67.
Shear stress of dough. I. A. V. Tkhamirov, N. V. Tul'skii, Khleb i korm. prom., 11 no. 5 16-17 May '67.
Some problems concerning the stability of elastoplastic systems in the case of initial stresses. V. D. Gadzhiev, Izv. AN Azerb. SSR, Ser. fiz. i mat. nauk, no. 6 44-50 '66.
Stability of a cylindrical shell under tensile stress. G. G. Alier, Izv. AN Azerb. SSR, Ser. fiz. i mat. nauk, no. 6 51-55 '66.
Strength of soil in various stressed states. V. V. Kovtun, Mor. por., nach. i inzh. no. 2 92-91 '66.
Stress analysis during powder rolling. I. S. Ioffe, Porosh. met., 7 no. 5 23-30 May '67.
- Stress concentration caused by elastoplastic deformations and creep. Ch. G. Mustafin, Fiz. i tekhn., 3 no. 5 83-97 May '67.
Study of the stressed state of linings in digesters. V. M. Krivopolenov, A. V. Molokanov, Bura. prom., no. 5 21-23 May '67.
Studying and calculating stresses in a hydraulic piston cylinder with nonuniform flange support. R. S. Kitatin, A. I. Sukov, A. T. Vitulin, Ku. -shim. i inzh. no. 1 29-33 Apr '67.
Studying strains in the piston rod of a high velocity hammer without anvil. N. M. Soldatov, Ku. -shim. i inzh. no. 5 28-31 May '67.
Studying stress concentration in discontinuous hull frames. G. V. Bortsov, E. B. Volkova, G. V. Mikhov, Sudostroyeniye, 57 no. 3 11-20 May '67.
Theory of impact stresses in the shuttle of a loom. I. V. Dolinskii, V. V. Kiylov, Izv. vuzov, no. 1 162-167 '67.
Theory of shrinkage stresses and their effect on the strength characteristics of glass reinforced plastic. M. N. Bokin, K. I. Vesnolobskii, Sbor. trudy. LMI no. 75 29-40 '66.
Use of the magnetoplastic method in measuring stresses in magnetically hard steels. M. M. Shei, Zav. lab., 33 no. 3 308-309 '67.
Use of ultrasound for measuring the internal stresses in metals. I. G. Koritskii, Akust. i ul'trazv., no. 2 87-92 '66.
- STRAINS AND STRESSES—MEASUREMENT**
X-ray diffraction measurement of macrostresses in lap-spectral pairs. G. N. Drobinskii, P. A. Lavrenko, K. I. Maslov, Zav. lab., 33 no. 3 318-319 '67.
- STRAINS AND STRESSES—MODELS**
Modeling thermoplastic deformations of refractory-lined hatches in blast furnaces. S. S. Karakevich and others, Trudy Inst. obrab. no. 32 205-219 '62.
- STRANGE PARTICLES**
Fixed source model and multiple processes. V. R. Gostev, Vest. Mosk. un. Ser. 3 Fiz., astron., 22 no. 2 37-12 May-Apr '67.
Kuleshov, S. P., [The problem of the meson mass spectrum in a quark model] K voprosu o spektrakh mezonov v modeli kvarkov. [Dubna, 1967] 7 p.
Lipkin, G., [Quark models and scattering at high energies. Translated from the English] Kvarkovye modeli i rasselaniye pri vysokikh energiyakh. Kiev, Naukova dumka, 1966, 22 p.
Nonconservation of vector current and the minimum of electromagnetic interaction. M. V. Tsien'ev, Izv. fiz., 5 no. 5 1079-1087 May '67.
Perturbation theory and indefinite metrics. A. I. Mamonov, Vest. Mosk. un. Ser. 3 Fiz., astron., 22 no. 2 29-16 May-Apr '67.
Phenomenological lepton mass for major and the symmetry groups. N. N. Ibrayev, Izv. fiz., 5 no. 5 110-111 May '67.
Production of strange particles by a neutron beam, and $\bar{U}(2)$ symmetry. L. V. Lapeashvili, Soob. AN (Gruz.), SSR, 16 no. 2 327-332 May '67.
Zalkov, R. P., and D. S. Stokanov, [Allowing for three-particle forces between quarks in high-energy hadron scattering] Ob uchet trekhchastichnykh sil mezhdu kvarkami pri vysokokenergeticheskoi rasselanii adronov [Dubna, 1967] 9 p.
- STRATIGRAPHIC GEOLOGY** see Geology, Stratigraphic
- STRATIGRAPHIC PALEOBOTANY** see Paleobotany, Stratigraphic
- STRAW—HARVESTING**
Technology of the continuous straw harvesting in regions of increased moisture. G. I. Zburko, Trudy TSNIIMK, 13 125-130 '64.
- STRAWBERRIES—DISEASES AND PESTS** see subdivision under Georgia
- STRAWBERRIES—GENETIC RESEARCH**
Problems of comparative plant genetics. Report 1, no. 5 Variation of cell size in strawberry species and experimental polyploids. T. S. Fadeeva, Genetika no. 5, 24-32 May '67.
- STREAM MEASUREMENTS**
Improved indicating tube for hydraulic studies. I. A. Agababov, O. G. Zaitkashvili, Gidr. i mel., 10 no. 1 81-85 Apr '67.
Using certain static characteristics of the asynchronousity of discharge processes. V. K. Us, Izv. AN Uz. SSR, Ser. fiz. i mat. nauk, 10 no. 5 21-25 '66.
- STREET-CLEANING MACHINERY**
Cleaning machines mounted on the Goktrak tractor. A. Kh. Ter-Mkrtchian, Stro. i doz. mash., 12 no. 2 17-28 '67.
- STREET RAILWAYS**
Electric traction equipment for municipal transportation systems. A. A. Rabinovich, Elektrotekhnika, 38 no. 5 8-12 May '67.

STREET RAILWAYS—CURRENT SUPPLY

Regulated silicon converter of stabilized voltage for
supply of municipal electric transport systems
I.S. Firsirot, N. A. Zagladov, G. I. Bozinkov, *Elek-
tricheskaya* 38 no 5 13-15 My '67

STRENGTH OF MATERIALS

Changes in the design of IR-02 machines for tensile
strength of materials at high temperature in a
vacuum of neutral gas, D. V. Ikhov, H. M. Ovsennikov
Trud. Vuzov 13 no 3 174-175 '67

Strength and failure of concrete, A. A. Baranov,
G. I. Mikhalev, *Dokl. AN SSSR* 174 no 1-71-72 My '67

Mechanism underlying the failure of porous materials
saturated with salts, I. N. Vyselov, I. V. Stankovskaya
Dokl. AN SSSR 174 no 1-71-72 My '67

Strength of composites, G. P. Cherepanov, *PIFT* no 5
77-79 My '67

STRENGTH OF MATERIALS—TESTING

Determining the durability of threads cut in plastic mate-
rials, I. S. Shumilov and others, *Zav. lab.* 43 no 3
361-363 '67

STREPTOCOCCI

Characteristics of β -hemolytic A-group Streptococcus in
effluents of glassworks, N. A. Chibrikov, Zhur.
Trud. Vuzov 13 no 3 176-181 My '67

STRESS (PHYSIOLOGY)

Effect of transverse overloads on the histological state
of internal organs in rats with different functional state
of the thyroid gland, I. I. Potolov, O. V. Chernov,
Fiziol. zhurn. (Ukr.) 13 no 3 176-181 My '67

Significance of stress in the development of the experimental
thyroiditis in dogs, A. N. Fedotkin,
Trud. Vuzov 13 no 3 176-181 My '67

STRESS WAVES

Energy consumption in the vicinity of blasting zone, A. N.
Kozlov, K. A. Dolgov, *Zap. LGI* 52 no 1 107-110 '66
Prediction of building against the effect of air impact
waves, M. A. Ushakov, *Zap. LGI* 52 no 1 117-121 '66
Use of short-delay blasting, N. I. Diadchikh, V. P.
Ivanov, *Trud. Vuzov* 13 no 3 176-181 My '67

STRIGANOV, ALEXANDER ROMANOVICH, 1907-

Arty. str. Romanovich Striganov, on his 60th birthday,
Zav. lab. 43 no 3 172 '67

STRIKES AND LOCKOUTS

On the front lines of strike struggle, V. Koval', *L. i. donov
Mirovaya* 1 no 1 121-122 '67

STRUNG INSTRUMENTS see subdivision under Guitar

STRIP MINING

(see also subdivision under Chelyabinsk Basin;
Chelyabinsk Province; Dnepropetrovsk Region; Kuznetsk
Basin; Olenegorsk region, Murmansk Province;
Tikhvin region, Leningrad Province)

Practical and technical problems in open-pit mining
of sedimentary deposits by the inclined layer, M. G. Novozhilov,
B. N. Tolstikov, A. A. Manolov, *Izv. vuzov, inzh. nauk,
geotekhn.* 9 no 1 28-33 '66

Calculating rods and flexible rope guys in artificial
strengthening of rock slopes in open-pit mines, M. A.
Ivanov, N. S. Zvonov, *Zap. LGI* 52 no 1 60-65 '66

Calculating the length of column charge stemmings in
open-pit mines, G. A. Nakhin, *Nauch. trudy Mosk.
Inst. radioelek. i gor. elektromekh.* no 51:80-84 '65

Classification of excavated materials according to their
strength characteristics, H. I. Bolnikov, *Izv. vuzov
inzh. nauk, geotekhn.* 10 no 1 16-21 '67

Effect of the conditions of simultaneously operating hoist-
ing and lifting mechanisms in open-pit mine excavators
on stresses in elements of the latter during digging
operations, E. I. A. Plushchinskii, *Izv. vuzov inzh.
nauk, geotekhn.* 9 no 1 67-105 '66

Investigating conditions of mining operations in curvilinear
fields, S. D. Kozlov, *Nauch. trudy Mosk. Inst.
radioelek. i gor. elektromekh.* no 51:25-32 '65

Investigating new methods of graphite ore breaking, V. V.
Suptela, *Nauch. trudy Mosk. Inst. radioelek. i gor.
elektromekh.* no 51:70-82 '65

Investigating parameters of open-pit mining with caving,
V. V. Goltysyn, *Zap. LGI* 52 no 1 49-55 '66

Selecting efficient method of mining Ekibastuz coal depo-
sits, V. V. Rzhavskii, G. K. Kuchanov, A. N. Alidov,
Nauch. trudy Mosk. Inst. radioelek. i gor. elektromekh.
no 51:60-67 '65

Selecting parameters, and efficiency of the panel system
of open-pit mining, on the example of Kinglepp phos-
phorite deposit, L. G. Tymovskii, I. M. Norkin, *Zap.
LGI* 52 no 1 28-33 '66

Separation of rocks during the blasting process in pro-
jecting complex working faces, G. G. Lamonosov,
Nauch. trudy Mosk. Inst. radioelek. i gor. elektromekh.
no 51:83-88 '65

System of working steeply pitching coal seams with
internal waste stacking, P. I. Tomakov, *Nauch. trudy
Mosk. Inst. radioelek. i gor. elektromekh.* no 51:67-73
'65

Waste stacking for upland open-pit mines, V. V. Isomun,
V. N. Karetnikov, *Nauch. trudy Mosk. Inst. radioelek. i
gor. elektromekh.* no 51:148-158 '65

STRIP MINING—COSTS

Optimum depth of external trenches in combined opening
of S. Rzhavskii, *Nauch. trudy Mosk. Inst. radioelek. i
gor. elektromekh.* no 51:54-60 '65

STRIP MINING—EQUIPMENT AND SUPPLIES

Controlling transportation in open-pit coal mines, A. D.
Shkol'nikov, *Zap. LGI* 52 no 1 81-83 '66

Determining parameters of chips during operation of
rotary bucket excavators, H. I. Ufodini, *Nauch.
trudy Mosk. Inst. radioelek. i gor. elektromekh.* no 51
103-111 '65

Isolating strength differences during mining of carbonate
deposits, V. G. Bazilev, V. N. Sirenik, *Nauch. trudy
Mosk. Inst. radioelek. i gor. elektromekh.* no 51:19-53
'65

Transportation of rocks into dump piles by throwing,
V. V. Rzhavskii, A. A. Lobodova, *Nauch. trudy Mosk.
Inst. radioelek. i gor. elektromekh.* no 51:111-148 '65

Zone of the free distribution of stripping equipment
N. Z. Garinsh, *Nauch. trudy Mosk. Inst. radioelek. i
gor. elektromekh.* no 51:102-108 '65

STRIP MINING—FINANCE

Determining optimum conditions of stripping operations
with the aid of linear programming, A. F. Bogachev,
Nauch. trudy Mosk. Inst. radioelek. i gor. elektromekh.
no 51:32-37 '65

STRIP MINING—MANAGEMENT

(see also subdivision under Saibay region, Kazakh-
stan)

Characteristics of algorithms for controlling operations
in open-pit mines, A. D. Shkol'nikov, *Nauch. trudy
Mosk. Inst. radioelek. i gor. elektromekh.* no 51:115-119
'65

Classification of flow sheets for overall mechanization
of open-pit mining operations, A. F. Bogachev, *Nauch.
trudy Mosk. Inst. radioelek. i gor. elektromekh.* no 51
21-24 '65

Determination of the volume of operations in planning
waste rock disposal, depending on type of biological
recultivation, A. R. Grammatov, *Mel. i gornorud. prom.*
no 2:71-74 My '67

Operations control in open-pit mining, A. D. Shkol'nikov,
Zap. LGI 52 no 1 84-87 '66

Order of putting excavators into operation in the course of
building open-pit mines, I. K. Naumov, N. N. Rogatin,
N. S. Kozlov, *Nauch. trudy Mosk. Inst. radioelek. i
gor. elektromekh.* no 51:37-44 '65

Preliminary evaluation of the suitability of using open-
pit mining, M. B. Red'kin, *Zap. LGI* 52 no 1 17-21 '66

Principles of the economic justification of graphs for
waste removal, A. F. Bogachev, *Zap. LGI* 52 no 1 15-
18 '66

Theory of systems and improvement of the technology of
open-pit mining, N. D. Zolotarev, *Zap. LGI* 52 no 1 3-
11 '66

STRIP MINING—SAFETY MEASURES see subdivision under Tikhvin region (Leningrad Province)

STRIP MINING—SPEED

Speed of excavating trenches depending on height of
benches and mining methods, S. I. Aksenov, V. M.
Prokoshin, *Zap. LGI* 52 no 1 34-38 '66

STRIP MINING—TABLES, CALCULATIONS, ETC. see subdivision under Kounradskiy region (Kazakh- stan)

STRONGY LOIDIASIS

Experience in the elimination of a strongyloidiasis in a
psychiatric hospital, E. A. Shablovskaya, M. F. Smaga,
Med. par. i par. z. bol. 36 no 2 172-174 My '67

STRONTIUM

Behavior of rare alkalies and strontium in process of
halogenesis, I. F. Bolko, D. V. Buzinich, *Lit. i pol.
izk.* no 2 30-41 My '67

STRONTIUM FLUORIDE—SPECTRA

Electron emission spectrum of SrF₂, M. M. Novikov,
L. V. Gurvich, *Opt. i spekt.* 22 no 5 720-729 My
'67

STRONTIUM ISOTOPES—EFFECT ON PLANTS see Plants, Effect of strontium isotopes on

STROPHANTHIN

New source of strophanthin, A. I. Dzhalalov, *Prirada*
no 1:107-108 Ap '67

STROPHANTHIN—TOXICOLOGY

Role of sulfhydryl groups in the prevention and elimina-
tion of the toxic effect of strophanthin on the heart in
dogs, N. V. Kiykov, *Blud, ekp. biol. i med.* 63 no 6
85-88 Je '67

STRUCTURAL DESIGN

Kovalenko, I. N. [Concise handbook for architects; in-
dustrial enterprises] *Kratkii spravochnik arkhitek-
torskoy promyshlennyye predpriyatiya*. Kiev, Budivelnik, 1967.
503 p.

STRUCTURAL DRAWING

Russia (U.S.S.R.) Gosudarstvennyi Komitet po delam
stroitel'stva. [Structural drawings, conventional graph-
ic designations of plumbing installations] *Cherchezht
stroitel'stva, uslovnye graficheskie oznacheniya
sanitarno-tekhnicheskikh ustroystv*. GOST 11628-65.
Izd. ovlad. nov. Moskva, Izd-vo Standartov, 1967.
52 p. (SSSR, Gosudarstvennyi standart)

STRUCTURAL FRAMES

Determination of seismic forces for four-story frames
based on seismic acceleration diagrams, F. E. Pluchman,
Nauch. soob. AISI no 7 75-83 '66

Methods for designing rolling stock car frames with
thin-walled curved corner beams, A. S. Lisovsky, A. K.
Oshchep, I. U. A. Usmanov, *Nauch. trudy O'IMT* no 56
55-60 '65

STRUCTURAL FRAMES—VIBRATION

Setting up the problem of vibration analysis of oil systems
I. U. N. Sankin, *Trud. LPI* no 266 21-32 '66

STRUCTURAL GEOLOGY see Geology, Structural

STRUMILIN, STANISLAV GUSTAVOVICH, 1877-

Academician Stanislav Gustavovich Strumilin. *Trud. Akad.
Ukr.* 10 no 2 88 F '67

STRYCHNINE

Use of paper chromatography in solving the presence
of strychnine in biological material, E. A. Ginzburg,
Sud. med. ekspert. 10 no 2 33-36 Ap-Je '67

STRYCHNINE—TOXICOLOGY

Activity of neurons of somatosensory cortex in local
poisoning with strychnine, V. M. Storchuk, N. I. Pechin-
eva, *Fiziol. zhurn.* 53 no 5 479-187 My '67

STUDENT ACTIVITIES

(see also subdivision under Bukovina; Chernovitsy,
Dnepropetrovsk; Elektrostal', Moscow Province;
Leningrad; Moscow Province; Pskov, Stavropol
Territory)

Development of the social activities of students in schools-
communes and school campuses, 1918-1925, A. V. Voron-
ov, *Sov. pedagog.* 31 no 5 33-40 My '67

Experience in organizing out-of-class work in school
groups, V. M. Medvedev, *Shkola i priroda* 11 no 4
65-66 Ap '67

In glorious tradition, Prof. -tekh. obr. 21 no 4 6
Ap '67

Valuable reserves of initiative, I. Veresoka, Prof. -tekh.
obr. 24 no 4 1 Ap '67

STUDENT HOUSING

In charge of the dormitory, P. Popov, Prof. -tekh. obr.
24 no 4 25 Ap '67

STUDENTS—POLITICAL ACTIVITY see subdivision under Kazan

STUDENTS, FOREIGN

Today and tomorrow of the preparatory faculties, L. B.
Bazhanov, *Vest. vuzov, shkoly* 25 no 5 42-43 My '67

STUDENTS, POLISH

News from a Polish periodical, *Vest. vuzov, shkoly* 25
no 5 91 My '67

STYRENE POLYMERS

Casting following foam polystyrene patterns, P. P. Berg,
B. I. Felgel'son, V. A. Pavlov, *Lit. priroda* no 5 5-6
My '67

Determining the degree of grafting styrene to rubber,
N. V. Galenko and others, *Khim. prom. Ukr.* no 5 46-
49 S-O '66

Dispersivity of polystyrene for foaming obtained by the
suspension method, A. V. Ilyashenko, K. V. Voevodin,
Zhur. prikl. khim. 40 no 3 545-548 My '67

Effect of glass fibers on the temperature of the transition
of polystyrene and polymethyl methacrylate, V. P.
Solonko, L. S. Semko, *Khim. prom. Ukr.* no 5 11-14 S-
O '66

Effect of the quantity of cross-linking agent on the
porosity of styrene copolymers with divinylbenzol,
M. V. Tshilpukhina and others, *Plast. massy* no 5 15-
18 '67

Methods for evaluating the effectiveness of thermal
stabilizers of shock-resistant polystyrene, V. D.
Dionin, A. P. Andreev, *Plast. massy* no 5 20 '67

Nature of the destruction of polystyrene and polymethyl
methacrylate films filled with glass fibers, V. P.
Solonko, L. S. Semko, *Khim. prom. Ukr.* no 3 9-12
My-Je '67

Production of a shock-resistant block polystyrene with
the use of polybutadiene rubber, V. D. Enal'ev and others,
Khim. prom. Ukr. no 3 4-6 My-Je '67

Reaction of chloromethylated polystyrene with triethyl
phosphite, S. R. Rafikov, G. N. Chernokova, G. M. Dzhit-
kibayeva, *Izv. AN SSSR Ser. khim.* no 5 1107-1108 My '67

Vacuum extrusion of shock-resistant suspended polysty-
rene, V. S. Enal'ev and others, *Khim. prom. Ukr.* no 3
25-26 My-Je '67

- STYRENE POLYMERS—DIELECTRIC PROPERTIES**
Relation between the dielectric strength of polystyrene and the type and degree of its plastification. S. N. Kulicov. Dokl. AN Uz. SSR 23 no. 7 26-28 '66
- STYRENE POLYMERS, EFFECT OF RADIATION ON**
Role of peroxides in the radiation-induced oxidation of polystyrene. A. T. Koritskii, A. V. Zubkov, Vysokom. sood. Ser. A 9 no. 4, 789-797 Ap '67
- SUBBOTIN, MIKHAIL FEDOROVICH, 1893-1966**
Mikhail Fedorovich Subbotin (1893-1966), Astron. zhur. 41 no. 2 473-474 '67.
- SUBCLAVIAN ARTERY—ABNORMALITIES AND DEFORMITIES**
Clinical significance of developmental anomalies of subclavian arteries. M. M. Pavlova-Pollakova, G. V. Koukal'. Vest. khir. 98 no. 415-17 Ap '67
- SUBLIMATION (PHYSICAL SCIENCES)**
Behavior of bismuth and antimony sulfides and antimony selenide in vacuum sublimation. G. G. Gospodinov and others. Vest. Mosk. un. Ser. 2 Khim. 22 no. 2 54-57 M-Ap '67.
Rate of volatilization of nonferrous metal sulfides in vacuum. R. A. Isakova and others. Izv. AN SSSR, Met. no. 3 74-80 My-Je '67.
Some problems of preparing phosphorite ores for electric sublimation. D. A. Patrushev and others. Khim. prom. 42 no. 11 38-41 N '66.
- SUBMARINE BOATS**
Zaleskii, N. A. ["Krab," the first submarine mine layer in the world] "Krab" - pervyi v mire podvodnyi zagrabitel'. Leningrad, Sudostroenie, 1967. 141 p.
- SUBMARINE BOATS—RECOGNITION**
Development of the means of the recognition of submarine targets during the Second World War. A. Prostakov, Voen.-ist. zhur. 9 no. 4 98-104 Ap '67.
- SUBMARINE GEOLOGY**
Is the earth contracting or expanding? Origin of oceanic depressions. A. I. Rybin. Priroda no. 4 50-56 Ap '67
- SUBMARINE MINES** see Mines, Submarine
- SUBMARINE OIL WELL DRILLING** see Oil well drilling, Submarine
- SUBSIDENCES (EARTH MOVEMENTS)**
Mining bump-prone coals using deep water injections into the seam. L. V. Kuchorakii and others. Nauch. trudy Perm. NIU no. 7, 173-189 '64.
- SUBSTITUTION (CHEMISTRY)**
Nucleophilic substitution by halogen in aromatic nitro compounds. Part 3: Intermediate formation of aryl pyridinium cation on pyridine catalyzed reactions of substitution of OH and NO₂ groups by halogen. G. M. Shutoy and others. Zhur. ob. khim. 37 no. 4 783-788 Ap '67.
Organophosphorus compounds with acetylene and diene substituents. B. I. Ionin, G. M. Bogolubov, A. A. Petrov. Usp. khim. 36 no. 4 587-610 Ap '67.
- SUCCINIC ACID**
Use of succinic acid in cotton growing of Uzbekistan. R. R. Rakhmanov. Uzb. biol. zhur. 11 no. 2 18-22 '67.
- SUCCINIC ACID, EFFECT OF RADIATION ON**
Radiolysis of succinic acid. V. L. Chagolev, V. D. Shatrov. Khim. vys. energ. 1 no. 3 213-219 My-Je '67
- SUCROSE**
Localization of sucrose in the tissues of storage roots of sugar beets. V. P. Kholodova, Fiziol. rast. 14 no. 3 444-450 My-Je '67.
Movement of sucrose through cell membranes of conducting tissues. M. V. Turkina, S. V. Sokolova. Fiziol. rast. 14 no. 3 425-433 My-Je '67.
Some proof of sucrose cleavage during its translocation from the mesophyll to the thin bundles of sugar beet leaves. M. I. Brovchenko, Fiziol. rast. 14 no. 3 415-424 My-Je '67.
Theory of the crystallization of saccharose from super-saturated solutions. A. V. Zubchenko, IU. N. Levin, Khim. i kond. prom. 11 no. 5 20-22 My '67.
- SUFISM**
Sufism and the ruling classes. G. Korimov. Izv. AN Azerb. SSR, Ser. Ist., filol. i prava no. 2 97-102 '66.
- SUGAR**
Methods for particle-size analysis of granulated sugar. A. F. Zaborshin. Trudy VNIISP no. 13 193-205 '66.
- SUGAR—ANALYSIS AND TESTING** see subdivision under Savino (Yanovo Province)
- SUGAR—THERMAL PROPERTIES**
Thermophysical characteristics of granulated sugar. M. A. Oromov, G. I. Krasovskaya. Sakh. prom. 41 no. 5 24-25 My '67.
- SUGAR BEET BREEDING**
Interspecific F₁ hybrids of Beta vulgaris L. (2n = 18) Beta homotogona F. et M. (2n = 18) V. P. Zosimovich. Tsit. i gen. 1 no. 3 5-15 My-Je '67.
Morphological characteristics of leaves of the polyploid sugar-fodder beet hybrids. I. A. Shevisev. Ufi. bot. zhur. 24 no. 3 41-45 My-Je '67.
- SUGAR BEET MACHINERY**
(see also subdivision under White Russia)
Attachment to the K-3-A combine. A. I. Anchenko. Tekh. i sel'khoz. 27 no. 5 87-88 '67.
- SUGAR BEETS**
(see also subdivision under White Russia)
Localization of sucrose in the tissues of storage roots of sugar beets. V. P. Kholodova, Fiziol. rast. 14 no. 3 444-450 My-Je '67.
Some proof of sucrose cleavage during its translocation from the mesophyll to the thin bundles of sugar beet leaves. M. I. Brovchenko, Fiziol. rast. 14 no. 3 415-424 My-Je '67.
Sugar uptake by sugar beet roots. V. E. Pontovich. Fiziol. rast. 14 no. 3 434-443 My-Je '67.
- SUGAR BEETS—DISEASES AND PESTS**
Compound treatment of sugar beets. N. G. Berim, O. M. Grishakova. Zashch. rast. 12 no. 5 11-12 '67.
Role of choline dehydrogenase in the formation of betaine as one of factor of sugar beet resistance to phytopathogens. V. E. Sokolova, IU. V. Zviagintseva, M. L. Pel'te. Dokl. AN SSSR 173 no. 6 1455-1458 Ap '67.
- SUGAR BEETS—FERTILIZERS AND MANURES**
(see also subdivision under White Russia)
Effect of various forms of nitrogen fertilizers in single and fractional placement on the yield of sugar beets. V. S. Rubanov, I. L. Bereslov. Khim. i sel'khoz. 5 no. 5 2-3 '67.
- SUGAR BEETS—HARVESTING**
(see also subdivision under Kharkov Province)
Studying the technological process of sugar beet harvesting. I. A. Lepeshko. Trudy TSNIMESKII 3 139-148 '64.
- SUGAR BEETS—IRRIGATION**
Effect of herbicides on the weediness of field and yield of sugar beets under irrigation. B. M. Smirnov, E. Z. Demidenko. Khim. i sel'khoz. 5 no. 5 35-38 Je '67.
- SUGAR BEETS—WATER REQUIREMENTS**
Moisture conditions of different sugar beet varieties. M. A. Neehporenko, N. E. Krizheva. Vest. sel'khoz. nauki [Kazakh] 10 no. 2 27-32 F '67.
Use of polyploidy in breeding sugar beets. Sh. N. Ilaletdinov. Vest. sel'khoz. nauki [Kazakh] 10 no. 2 32-38 F '67.
- SUGAR BEETS AS FEED**
Effect of the rate of feeding beet pulp on the digestibility and weight gain of young cattle in fattening. P. S. Pis'mennaya. Vest. sel'khoz. nauki [Kazakh] 10 no. 5 105-110 My '67.
- SUGAR FACTORIES**
(see also subdivision under Shepetovka, Ukraine)
Erection of new factories in the current five-year plan. Sakh. prom. 41 no. 5 72 My '67.
- SUGAR FACTORIES—EQUIPMENT AND SUPPLIES** see subdivision under Timashevo (Kuybyshev Province)
- SUGAR FACTORIES—MANAGEMENT**
(see also subdivision under Verkhne-Dneprovsk, Ukraine)
Organization of economic accountability in sugar factories. S. M. Fialter. Sakh. prom. 41 no. 5 46-49 My '67.
Raw materials and the economy of a sugar factory. P. A. Kondratenko, A. A. Droblazgo, D. V. Tarasov. Sakh. prom. 41 no. 5 52-54 My '67.
- SUGAR IN PLANTS** see Plants, Sugar in
- SUGAR INDUSTRY**
(see also subdivision under Cherkassy Province; Ust'-Labinsk, Krasnodar Territory)
Determination of calcium in the products of the sugar industry by flame photometry. V. A. Tsiuril'. Trudy VNIISP no. 13 130-148 '66.
- SUGAR INDUSTRY—ACCOUNTING** see subdivision under Krasnodar Territory
- SUGAR INDUSTRY—BY-PRODUCTS**
Determination of the productivity of pulp drying drums. A. K. Naizenov. Sakh. prom. 41 no. 5 13-17 My '67.
Effective use of beet pulp. L. E. Fieleshten. Trudy VNIISP no. 13 149-159 '66.
Separation of predefecation residue, its composition and possible use in the animal husbandry. A. K. Kartashev, R. G. Zhizhina, N. A. Maksimova. Trudy VNIISP no. 13 64-83 '66.
- SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES**
Comparative study of stone crushers of continuous action. N. M. Datsenko, V. N. Shehegolev. Trudy VNIISP no. 13 22-30 '66.
- From the mail of the editorial office. Sakh. prom. 41 no. 5 76-77 My '67.
Improve the quality of limestone supplied to the sugar factories of the R. S. F. S. R. A. I. Berezin. Sakh. prom. 41 no. 5 21-24 My '67.
Technology of the production of diatomite filtration powders from Soviet deposits. A. K. Kartashev, V. E. Skripiev, V. A. Chetenko. Trudy VNIISP no. 13 42-64 '66.
- SUGAR INDUSTRY—QUALITY CONTROL** see subdivision under Rumania
- SUGAR INDUSTRY—SAFETY MEASURES**
Ways for decreasing industrial traumatism. V. N. Shehegolev, G. M. Korbut. Sakh. prom. 41 no. 5 49-52 My '67.
- SUGAR MACHINERY**
Calculation of a countercurrent adsorber with a moving layer of the adsorbent. I. A. Kravets and others. Sakh. prom. 41 no. 5 17-21 My '67.
Experimental study of sugar driers. D. S. Shevisev, B. F. Milutenko. Trudy VNIISP no. 13 205-288 '66.
Improving the blowing of diffuser knives. A. Z. Gelfkala. Sakh. prom. 41 no. 5 40-41 My '67.
Method for the calculation of multifunctional vacuum apparatus of continuous action. M. L. Vaisman, V. N. Gorokh, V. D. Popov. Trudy VNIISP no. 13 159-178 '66.
Some propositions on the modernization of the "Duncan Stuart" diffusion apparatus. N. A. Nasonov, V. D. Bazhenov, V. L. Nosov. Sakh. prom. 41 no. 5 37-39 My '67.
Testing vacuum apparatuses of a new design. IU. D. Kot, N. I. Burlakov, A. L. Sokolova. Trudy VNIISP no. 13 117-128 '66.
- SUGAR MANUFACTURE**
Conditions of crystal growth in massecuite. A. L. Sokolova. Trudy VNIISP no. 13 128-134 '66.
Determination of pressure drop by the thickness of the residue layer during centrifugal filtration. B. N. Terezhin. Trudy VNIISP no. 13 134-139 '66.
Optimal conditions of concentration by boiling, crystallization and centrifuging of sugar beet massecuite. IU. D. Kot. Trudy VNIISP no. 13 96-106 '66.
Recrystallization of sugar crystals during the fluctuations of supersaturation. IU. D. Kot, A. L. Sokolova. Trudy VNIISP no. 13 106-117 '66.
Role of dextran in the sugar industry. S. A. Bogdanov. Trudy VNIISP no. 13 83-86 '66.
Technological estimation of beet cassettes by their deformation. V. N. Shehegolev. Trudy VNIISP no. 13 3-22 '66.
- SUKACHEV, VLADIMIR NIKOLAEVICH, 1880-1967**
V. N. Sukachev, an obituary. N. I. Pivachenko. Leno-vedenie no. 3 92-95 My-Je '67.
V. N. Sukachev, an obituary. N. V. Timofeev-Resovskii. Priroda no. 5 66 My '67.
Vladimir Nikolaevich Sukachev obituary. A. M. Mal'nev and others. Torf. prom. 41 no. 3 32 '67.
- SUKHONA RIVER—ICE**
Dependence of passage capacity of channel on height of level in ice clogging, as revealed by study of Sukhona River. M. G. Sofer. Vest. LGU 22 no. 6 140-148 M '67.
- SULAIMAN RANGE REGION—GEOLOGY**
Geology of the Sulaiman and Kirthar Ranges and the adjacent part of the Hindustan Platform. B. A. Sokolov. Vest. Mosk. un. Ser. 4 Geol. 22 no. 2 24-41 M-Ap '67.
- SULFAMIDE**
Frequencies of valence vibration of the SO₂ and NH groups of substituted N-phenylparacetamidesulfamide. A. E. Lutsik and others. Izv. vys. ucheb. zav., khim. i khim. tekhn. 10 no. 3 282-284 '67.
- SULFANILAMIDES—SIDE EFFECTS**
Results of prolonged use of sulfanilamide preparations in diabetes mellitus. I. M. Oudzhnev, L. B. Ismailov, G. M. Alekperova. Azerb. med. zhur. 44 no. 3 26-29 M '67.
- SULFATION**
Determination of the sulfatization degree of higher fatty alcohols. S. M. Loktev, G. M. Pakhomova, E. I. Vufakh. Mask. vzhir. prom. 33 no. 3 18-23 M '67.
- SULFIDES**
Catalytic conversions of thiophene on oxides and metal sulfides. A. V. Mashkina, T. S. Sukhareva, V. I. Chernov. Neftekhimiya 7 no. 2 301-304 M-Ap '67.
Liquation of sulfide-sulfate melts. V. T. Syridenko. Izv. Zabaik. otd. Geog. ob-va SSSR 1 no. 3 55-60 '65.
Reaction of phosphorus pentachloride with ethylallyl sulfide. V. S. Tsivunin and others. Zhur. ob. khim. 37 no. 4 803-804 Ap '67.
- SULFONATION**
Purification of benzene from thiophene by sulfonation method. I. A. Kottandir, IU. A. Pustovit', I. A. Faida. Koks i khim. no. 4 31-36 '67.

SULFONIC ACIDS

Production of monosulfonic acids from dimethyl aniline. B.I. Karashev, R.N. Khelvin. Izv. vys. ucheb. zav., khim. i tekhn. 10 no. 2:177-181 '67.
Reaction of alkaline fusion of carbazolesulfonic acids. V.I. Shashkina, L.A. Stepanova. Izv. vys. ucheb. zav., khim. i tekhn. 10 no. 3:292-300 '67.
Study of interaction in salts of organic sulfonic acids by means of infrared spectroscopy. K.K. Kalinin'sh, B.G. Belen'kii, G.V. Samsonov. Izv. AN SSSR Ser. khim. r. 4:802-807 '67.

SULFONYL CHLORIDES

Effect of the structure of primary alkylamines on the rate of reactions with arylsulfonochlorides. L.M. Litvinenko, A.F. Popov, T.V. Sitarskaya. Zhur. ob. khim. 37 no. 5:1028-1036 My '67.

SULFUR

Characteristics of manganese geochemistry in the process of sulfur sedimentation. B.I. Srebrodolskii. Dokl. AN SSSR 174 no. 1:205-206 My '67.
Production of elementary sulfur from hydrogen sulfide in petroleum refinery gases. A.P. Konoplov, L.D. Strom. Nefteper. i neftekhim. no. 2:25-20 '67.

SULFUR—ANALYSES

Determination of sulfur in the muscle tissue by paper photometry. A. Marchenko. Mias ind. SSSR 38 no. 5:20-22 My '67.

SULFUR DIOXIDE

Experience in the operation of industrial apparatus for the partial oxidation of sulfur dioxide in a fluidized bed of catalyst. E.S. Rumiantseva and others. Khim. prom. 42 no. 6:49-50 Je '66.
Kinetics of the evolution of SO₂ from solutions of ammonium sulfitebisulfite in packed columns. B.A. Cheikova. Khim. prom. 42 no. 6:15-40 S '66.
Study of the oxidation of sulfur dioxide in the fluidized bed of the catalyst. V.Sh. Kernerman and others. Khim. prom. 42 no. 6:33-45 Je '66.

SULFUR INDUSTRY

Technical and economic evaluation of the processes of producing elemental sulfur and carbon disulfide from pyrites and natural gas. N.G. Vilesov and others. Khim. prom. Ukr. no. 3:44-46 My-Je '67.

SULFUR ISOTOPES

Characteristics of the distribution of sulfur isotopes and their use in geochemical studies. L.N. Grinenko, V.A. Grincenko. Geokhimiia no. 5:559-570 My '67.
Effect of micro-organisms on the amount and isotopic composition of sulfur in petroleum. V.L. Mekhileva. Geokhimiia no. 5:577-583 My '67.
Mass-spectrometric measurement of minor variations in the S³²/S³⁴ ratio in sulfides. G.M. Miranashvili, B.I. Kikaeli. Truby Tbil. GU no. 103:97-104 '65.

SULFUR MINES AND MINING see subdivision under Carpathian Mountain region

SULFUR ORES see subdivision under Carpathian Mountain region

SULFUR ORGANIC COMPOUNDS see Organosulfur compounds

SULFUR OXIDES

Oxidation of sulfur dioxide in the apparatus with a fluidized bed of ferric oxide as a catalyst under conditions of contact-tower manufacture of sulfuric acid. I.U. V. Lastochkin and others. Khim. prom. 42 no. 6:45-48 Je '66.

SULFURATION

Sulfurated chtp-graphite bushings. S.I. Stepanov, M.A. Karepina. Mashinostroitel' no. 5:49 My '67.

SULFURIC ACID

Conductometric determination of sulfuric and maleic acids in dibutyl maleinate. V.I. Derko, V.P. Savchenkova. Zav. lab. 33 no. 3:293-294 '67.
Corrosive activity of aqueous solutions of sulfuric acid. A.K. Minduk and others. Fiz.-khim. mekh. mal. 3 no. 2:57-164 '67.
Effect of sulfuric acid fog on the absorption of nitrogen oxides. I.A. Apakhov and others. Khim. prom. 42 no. 6:44-45 S '66.

SULFURIC ACID INDUSTRY

Oxidation of sulfur dioxide in the apparatus with a fluidized bed of ferric oxide as a catalyst under conditions of contact-tower manufacture of sulfuric acid. I.U. V. Lastochkin and others. Khim. prom. 42 no. 6:45-48 Je '66.

Testing the corrosion resistance of steels in the roast gas of sulfuric acid production. A.N. Kuzhikov, N.P. Pilingina. Khim. prom. Ukr. no. 5:55 S-O '66.

SULFURIC ACID INDUSTRY—BY-PRODUCTS

Alkaline method of regenerating vanadium from the spent contact mass of sulfuric acid production. N.A. Golovko, K.I. Brodovich, N.D. Zavlakova. Khim. prom. Ukr. no. 5:49-51 S-O '66.

SULFURIC ACID INDUSTRY—EQUIPMENT AND SUPPLIES

Using the K-305 contact apparatus. N.I. Shalalin. Khim. prom. 42 no. 11:35-37 N '66.

SULFUROUS ACID

Synthesis of cellulose sulfites. T.V. Vladimirova, L.S. Gal'braikh, Z.A. Rogovin. Izv. vys. ucheb. zav., khim. i tekhn. 10 no. 3:340-348 '67.

SULTANOV, DZHANGIR KAZUMOVICH, 1907-

Veteran of the petroleum industry. Azerb. neft. khoz. 46 no. 4:48 Ap '67.

SULVANITE see subdivision under Paykhoz

SUMGAI (AZERBAIJAN)—ALUMINUM INDUSTRY

Relying on progressive experience. M. Sharifov. Agitator no. 22:32-33 N '61.

SUMS (MATHEMATICS)

Absolute summability of conjugate Fourier integrals using G.F. Voronoi's method. I.G. Doitsun. Izv. vys. ucheb. zav., mat. no. 6:11-21 Je '67.
Summability of "diluted" series by regular positive matrix methods. V.F. Vlasenko. Ukr. mat. zhur. 10 no. 3:11-20 '67.

SUMY—CHEMICAL INDUSTRIES

Mechanization of the loading and unloading operations of bulk cargoes of the Sumy Chemical Combine. V.N. Zembitskii. Khim. prom. Ukr. no. 5:29-31 S-O '66.

SUMY PROVINCE—COLLECTIVE FARMS

The propaganda group is the support of the collective farm administration. P. Cheshchev. Agitator no. 5:38-40 Mr '61.

SUMY PROVINCE—DISORDERLY CONDUCT

Everybody should participate in the struggle against drunkards and hoodlums. I. Uysk. Rad. pravo. 30 no. 5:95-96 My '67.

SUMY REGION—ALDER

Natural place of growth of Alnus incana (L.) Moench. near Sumy. V.V. Duda. Ukr. bot. zhur. 24 no. 2:67 Mr-Apr '67.

SUN—OBSERVATIONS

Structure of the lower chromosphere. E.E. Dubov. Astron. zhur. 44 no. 2:342-351 '67.

SUNBATHS see subdivision under Ural Mountain region

SUNFLOWER BREEDING

Determining oil content of whole achenes in sunflower breeding. N.V. Vorob'ev, L.M. Sedykh. Vest. sel'khor. nauk 12 no. 5:100-103 My '67.

SUNFLOWER SEED

Biochemical characteristics of oil-rich varieties of sunflowers developed by the All-Union Scientific Research Institute of Oil-Producing Crops. N.P. Dublinskain, P.S. Popov, V.M. Panfilova. Masl.-zhir. prom. 33 no. 3:8-11 Mr '67.

SUNFLOWER SEED—DRYING

Drying sunflower seeds in dehydrated air. N.V. Trubitsayn, V.M. Kopelevskii, G.N. Kasparov. Masl.-zhir. prom. 33 no. 4:4-7 Ap '67.

SUNFLOWER SEED OIL

Formation of the taste and aroma of oil in the processing of sunflower seeds. A.M. Goldovskii, L.D. Patrakova. Masl.-zhir. prom. 33 no. 3:11-14 Mr '67.

SUNFLOWERS—COSTS see subdivision under Moldavia

SUNFLOWERS—DISEASES AND PESTS see subdivision under North Kazakhstan Province

SUNSPOTS

Effect of a magnetic field on the stream of radio-frequency radiation of sources related to spot groups. A.R. Abbasov. Geomag. i aer. 7 no. 1:170-171 '67.

Heating of the chromosphere above a. Astron. zhur. 44 no. 2:330-341 '67.

Nature and geological effectiveness of solar radio bursts of the II and I. I.M. Cherok. Geomag. i aer. 7

Periodicity of the north-south action of the new cycle sunspots. V.S. Berdichevskaya. Astron. z. '67.

SUPERCONDUCTIVITY

Critical temperature of the super S.Sh. Akhmedov. Dokl. AN Tad. '67.

Superconducting properties of rhodolite. M.N. Mukheeva, N.A. Tul'fiz. 52 no. 4:875-881 '67.

Wave resistance of superconductor state. A.F. Andreev. Zhur. ek. 1106-1117 '67.

SUPERCONDUCTORS

Ultrasound absorption in superconducting alloys in mixed state. V.P. Galaisko, I.I. Fal'ko. Zhur. eksp. i teor. fiz. 52 no. 4:976-985 '67.

SUPERCOOLING

Effective distribution coefficients of aluminum and phosphorus in growing silicon needles from supercooled melt. I.U. M. Shashkov, V.P. Orshin. Izv. AN SSSR Neorg. mal. 3 no. 5:755-759 My '67.

SUPERHEATERS

Method for approximate calculation of the characteristics of a convective steam superheater in operating modes differing from design conditions. O.I. Chaban, P.I. Pisarenko. Teploenergetika 14 no. 5:90-95 My '67.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC NOZZLES

Calculation of a supersonic jet emerging from a plane-walled nozzle. V.N. Kamzolov, U.G. Pirumov. PMTF no. 2:117-122 Mr-Apr '67.

SUPERSTITION

Dmitriyev, I.U.D. [What to believe and what to verify...]. "Chemu verit', chlo proverit'..." [Moskva] Detskaya lit-ra [1967] 110 p. (Shkol'naya biblioteka)

SUPPLY AND DEMAND

For an efficient influence on industry. N. Sushchuk. Sov. torg. 40 no. 5:15-16 My '67.

SUPPURATION

Late results of surgical treatment of chronic suppurative diseases of the lungs in young persons. P.N. Bushkov, E.T. Ivanova. Sov. med. 30 no. 5:8-13 My '67.

Treatment of local suppurative processes with novocaine block without penicillin and in combination with it. G.A. Mirzolan. Zhur. eksp. i klin. med. 7 no. 1:87-90 '67.

SURAKHANY OIL FIELD—PETROLEUM

Catalytic aromatization of narrow fractions of gasoline of Surakhany high-grade petroleum. V.S. Ailov, A.M. Ailiev. Azerb. neft. khoz. 46 no. 5:39-41 My '67.

SURFACE ACTIVE AGENTS

Determination of sodium chloride content in technical surface active substances. I.U. N. Volkov, L.N. Kulis. Masl.-zhir. prom. 33 no. 3:41 Mr '67.

Effect of cation-type surface active substances on rhodium electrodeposition. R.S. Nikitina, O.A. Suvorova. Elektrokhimia 3 no. 5:553-556 My '67.

Effect of surface-active additives on the rate of reduction of oxides in molten slags. A.V. Vaniukov, T.Svet. mel. 40 no. 5:39-43 My '67.

Effect of surface active substances on the evaporation of fine water drops. L.F. Leonov, P.S. Prokhorov. Izv. AN SSSR. Ser. khim. no. 4:735-742 Ap '67.

Effect of temperature on the micellar state of surface-active semicolloids in aqueous solutions. Z.N. Markina, A.V. Chinnikova, P.A. Rebtinder. Dokl. AN SSSR 174 no. 1:131-134 My '67.

Effective selection of surface-active agents for tapping prospective horizons. V.V. Kazanskii, Ch.S. Guseinov. Nefteprom. delo no. 5:23-24 '67.

Use of organic surface active agents for the intensification of the grinding of Portland cement. A.N. Grach'yan, L.N. Dovyhorova. Izv. vys. ucheb. zav., khim. i tekhn. 10 no. 2:203-206 '67.

Using surface-active agents in warm asphalt concrete. N.V. Matlakov. Avt. dor. 30 no. 5:26 My '67.

SURFACE HARDENING

Compressed air as quenching medium in surface ing. P.A. Lankin. Metalloved. i term. r. 23-2

F

SYNCHROTRON

Natural collimation of synchrotron radiation and axial dimensions of an electron bunch. O. I. Kulikov, A. S. Iarov. Vest. Mosk. un. Ser. 3 Fiz. i astr., 22 no. 2: 24-25. Mi.-Ap. '67.

SYNOVIA

Structure of the vascular nets of the synovial sheaths of tendons of the tibial muscles. L. A. Mamukian. Arkh. anat. i gist. embri., 52 no. 5: 64-69. My. '67.

SYNTHETIC PRODUCTS

Sulfonates, S. T., and others. [New silicone and organic materials]. Novye silikatsy i organicheskie materialy Almaz-Ala, Nauka, 1967. 204 p.

SYNTHETIC RESINS see Resins, Synthetic

SYNTHETIC RUBBER see Rubber, Synthetic

SYNTHINE PROCESS

Mechanism of Fischer-Tropsch process and of the reaction of initiated hydrolytic polymerization of alkenes according to radiochemical and kinetic data. I. A. F. Eshen. Dokl. Akad. Nauk. 26 no. 5: 814-816. My. '67.

SYNOMYCIN see Acetamide

SYRIA—SOIL FUNGI

Antagonistic properties of fungi isolated from some Syrian soils. V. Kh. Bagdadi. Nauch. dokl. vys. shkoly, biol. nauk. 10 no. 4: 106-115. '67.

SYSTEM ANALYSIS

Determination of solutions for a rotating unperturbed conservative system with one degree of freedom as a series built in inverse degree of energy. I. D. Akulenko. Vest. Mosk. un. Ser. 3 Fiz. i astr., 22 no. 3: 103-106. My.-Ja. '67.

Factorization of the asymptotic stability of lunar systems. F. I. Fedorovich, L. F. Litvinov. Vest. Mosk. un. Ser. 3 Fiz. i astr., 22 no. 1: 60-61. My.-Ja. '67.

Theory of systems and improvement of the technology of aquaplaning. N. D. Zolotarev. Zashch. i. 52 no. 1: 11-12. '66.

Use of the method of root trajectories in studying nonlinear system of the third order with lag. V. B. Konev, M. L. Kuznetsov. Vest. Mosk. un. Ser. 3: 117. Astron., 22 no. 2: 56-60. Mi.-Ap. '67.

SYSTEMS (CHEMISTRY)

Behavior of bismuth and antimony sulfides and antimony sulfide in vacuum sublimation. G. G. Gaspardov and others. Vest. Mosk. un. Ser. 2 Khim., 22 no. 2: 51-57. Mi.-Ap. '67.

Liquid-liquid equilibrium in the system hydrocarbon - higher fatty alcohols - glycols. M. V. Aleksandrova and others. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 10 no. 3: 335-337. '67.

Thermochemical study of the systems $ZrCl_2 - NiCl_2 - H_2O$ and $ZrCl_2 - LaCl_3 - H_2O$ at 25°C. I. N. Belikov, L. M. Lobas. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 10 no. 12: 254-258. '67.

Study of solubility in the $HBr - SbBr_3 - HBr - H_2O$ system at 25°C. G. V. Zimina, S. B. Stepanov, V. K. Puzosheva. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 10 no. 2: 132-136. '67.

Study of solubility in the system $(NH_4)_2SO_4 - (NH_4)_2BeF_4 - H_2O$ at 30°C. M. I. Levina, V. I. Fedotova, O. N. Romanova. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 10 no. 3: 359-363. '67.

Study of the specific volume and compressibility in fused two-component system with an incongruent melting point. G. I. Bitalin, G. I. Cheluk. Izv. vuz. ucheb. zav.; khim. i khim. tekhn. 10 no. 3: 350-359. '67.

Studying the phase equilibrium of PAM of the system $TL - Al - Cr - Fe - Si - B$. L. I. Kornilov, V. S. Mikheev, K. P. Muzkovich. Izv. AN SSSR, Met., no. 7: 211-218. My.-Ja. '67.

SYSTEMS ENGINEERING

Average time of faultless operation of a complex system taking into account "importance" of its elements and scheduled preventive maintenance operations. Sh. L. Babitskiy, O. M. Nymchishvili, A. P. Khushkivadze. Izv. AN SSSR Tekh. kib., no. 2: 60-65. Mi.-Ap. '67.

Calculation of the lower confidence limit for probabilities of faultless operation of complex systems. R. K. Belikov, T. N. Dugina, L. V. Chepurin. Izv. AN SSSR, Tekh. kib., no. 2: 52-59. Mi.-Ap. '67.

Evaluation of reliability of alternately utilized systems. S. M. Brodskiy, O. N. Vlasenko. Izv. AN SSSR, Tekh. kib., no. 1: 35-38. Ja.-F. '67.

Investigating the stability of controlled systems. I. M. Sidorov, S. V. Churennykh. Mekh. i vor. tela no. 2: 74-80. Mi.-Ap. '67.

SYTN, IVAN DMITRIYEVICH, 1851-1934

Man of the book world. I. D. Sytn. V mire knig no. 3: 44-45. '67.

TABLETS (MEDICINE)

Role of starch in the disintegration of tablets. IE, IE. Bozrunov, S. M. Shevchenko. Farmats. zhur., 22 no. 2: 45-48. '67.

TABLEWARE

Acid resistance of melale and aminoplast household dishes. L. P. Zgonik, I. F. Kanavets. Plast. massy no. 5: 57-58. '67.

TACTICS

Grishin, S. V., and Sh. I. Kitashvili. [The march and the meeting engagement, according to materials from the foreign press]. Mash i vstrochny bol, po materialam zarubezhnoi pechaty. Moskva, Voenizdat, 1967. 158 p.

TACTICS—STUDY AND TEACHING

In capable hands. M. Plakhinskiy. Tekh. i voruzh., 25 no. 12: 77. D. '66.

"Vitava," M. Arabin, Kyiv. rod., 17 no. 12: 20-21. D. '66.

"Vitava" training exercises. E. Pateuk. Tekh. i voruzh., 25 no. 12: 20-25. D. '66.

We will be sergeants. V. Peredel'skiy. Sov. voyn., 40 no. 2: 9-12. Ja. '67.

TAENA

Role of different species of synanthropic flies in distributing on asphens of Taenia hynchus saginatus. I. G. Nadyharov. Med. parazit. i parazit. bol., 36 no. 2: 144-149. Mi.-Ap. '67.

Treatment of taenia hynchus with phenasal combined with dichlophen and quinaclina. A. D. Frolov, V. S. Dedov. Med. parazit. i parazit. bol., 36 no. 2: 149-151. Mi.-Ap. '67.

TAENA—CONGRESSES

Interdepartmental conference on control of taenia hynchus in man and cysticercosis in cattle. L. I. Protopenko, P. A. Vladimirova, N. S. Arkhipova. Med. parazit. i parazit. bol., 36 no. 2: 250-251. Mi.-Ap. '67.

TAGANROG, GULF OF—FISHING NETS

Selectivity, catchability and economic aspects of beach seines in Gulf of Taganrog. A. N. Smirnov, V. M. Naumov, T. S. Bondarenko. Trudy VNRO., 61: 73-91. '66.

TAILINGS (METALLURGY)

Recovering molybdenum from molybdenum-containing tailings. I. M. Kabanova, V. G. Dobosh. Tem. i prikl. met., no. 7: 236-242. '64.

TAJIKISTAN—BEES

Utilization of bees for pollination of melons in Tajikistan. T. A. Antsiferova, P. A. Dobromyslov. Uch. zap. Mord. gos. un., no. 54: 104-115. '66.

TAJIKISTAN—COTTON—FERTILIZERS AND MANURES

Utilization by cotton of nitrogen and phosphorus fertilizers under various soil moisture. Kh. D. Domulodzhanova. Khim. v sel. khoz., 5 no. 5: 4-6. '67.

TAJIKISTAN—DESCRIPTION

Under the sun of October. M. Gaputov, A. Kakhaev. Sov. voyn., 40 no. 11: 16-18. Je. '67.

TAJIKISTAN—DRAINAGE

Duration of tile drainage in aggressive media. S. M. Tolstikov, G. I. Mel, 10 no. 5: 101-104. My. '67.

TAJIKISTAN—IONOSPHERIC RESEARCH

Results of measurement of the velocity and direction of ionospheric wind above Tajikistan. L. N. Rubtsov, D. L. Litvinov. Blizn. inst. astrofiz. AN Tadzh. SSR no. 46: 36-42. '66.

TAJIKISTAN—JUMPING PLANT LICE

New species of jumping plant lice (Homoptera, Psyllodea) from Tajikistan. V. G. Baeva. Dokl. AN Tadzh. SSR 10 no. 4: 53-58. '67.

TAJIKISTAN—MELONS

Utilization of bees for pollination of melons in Tajikistan. T. A. Antsiferova, P. A. Dobromyslov. Uch. zap. Mord. gos. un., no. 54: 104-115. '66.

TAJIKISTAN—PHARMACY—CONGRESSES

Conference of activists of drugstore workers in Tajikistan. M. Iakubov. Farmatsia 16 no. 2: 82-83. Mi.-Ap. '67.

TAJIKISTAN—PHILOSOPHICAL RESEARCH

The development of Marxist-Leninist philosophy in Tajikistan. G. Ashurov. Vop. filos., 21 no. 5: 27-39. '67.

TAJIKISTAN—PUBLIC PROSECUTORS

An educational and methodological conference in Dushanbe. Sots. zakon., no. 5: 80-82. My. '67.

TAJIKISTAN—RESEARCH

Tadzhikskii gosudarstvennyi universitet. [Scientific Conference of Young Scholars of the Tajik V. I. Lenin State University dedicated to the 50th anniversary of the Great October Revolution; abstracts of reports]. Nauchnaia konferentsiia molodykh uchennykh Tadzhikskogo gosuniversiteta imeni V. I. Lenina, posvyashcheniia 50-letiiu Velikoi Oktobr'skoi sotsialisticheskoi revoliutsii, tezisy dokladov. Dushanbe, 1966. 76 p.

TAJIKISTAN—RUSSIAN THISTLE

Chemical characteristics of Russian thistle in Tajikistan. M. M. Ikramova and others. Dokl. AN Tadzh. SSR 10 no. 2: 44-48. '67.

TAJIKISTAN—STONE

[Ornamental, industrial, and facing stones in the Tajik S.S.R.]. Ogranochnye, podlozhnye i oblitsovochnye kamni Tadzhikskoi SSR, Dushanbe, Irkon, 1966. 22 p. map. (Vystavka dostizhenii narodnoho khozaystva)

TAJIKISTAN—WOMEN

Women are active builders of communism. I. Rakhmanova. Put' zhizni no. 10: 37-62. My. '67.

TALES—HISTORY AND CRITICISM

Gogol as a satirist and the folk tale. V. I. Glushko. Nauch. dokl. vys. shkoly, filol. nauk., 10 no. 3: 66-73. '67.

TALLINN—CORN PRODUCTS

Automatic line for the preparation of corn materials in the production of corn sticks. I. Savchenko. Tekhn. i fond. prom., 11 no. 5: 12-14. M. '67.

TALLINN, BATTLE OF, 1941

A page of the unknown. P. D. Bublit. Istoriya 50 no. 6: 24-27. Je. '67.

TALNAKH REGION (KARASOYARSK TERRITORY)—ORE DEPOSITS

Primary zonality of excontact sulfide copper-nickel ores of the Talnakh deposit. V. V. Ershov, G. B. Pupova. Dokl. AN SSSR 173 no. 6: 1393-1396. Ap. '67.

TALYSH MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Cis-Talysh foredeep and its internal structure. Sh. T. Mekhtiev, A. S. Bairamov. Izv. vuz. ucheb. zav., 1-8. Ap. '67.

TALYSH MOUNTAINS—LEGUMINOSAE

Hibernating buds of dicotyledons of the family Leguminosae in Talysh. V. Kh. Tutayev, L. V. Turchinova. Dokl. AN Tadzh. SSR 23 no. 1: 71-75. '67.

TALYSH MOUNTAINS—MOLLUSKS

Some new and little-known mollusks of Talysh. A. V. Shchegolev, Nauch. dokl. vys. shkoly, biol. nauk., 10 no. 4: 24-32. '67.

TAMAN PENINSULA—MOUNDS

More about the date of the Artyukhovskaya burial mound. M. I. Maksimova. Sov. arkh. dokl., no. 2: 240-242. '67.

TAMBOV—LITERARY MUSEUMS

Voluntary participation of literary museums. D. Kolashnikov. Agitator no. 24: 18. D. '61.

TAMBOV PROVINCE—CONSTRUCTION INDUSTRY—COSTS

Classification of expenditures in construction. A. Ivanov. Buhg. uch. 26 no. 5: 56-59. My. '67.

TAMBOV PROVINCE—INSURANCE, SOCIAL

In anticipation of the 50th anniversary of the Great October. Sots. obshch., 42 no. 4: 25-26. Ap. '67.

TAMBOV PROVINCE—SOILS—PHOSPHORUS CONTENT

Phosphorus in Tambov Province. A. I. Troshchuk. Pochvovedenie no. 4: 86-88. Ap. '67.

TANK VESSELS—EQUIPMENT AND SUPPLIES

Measures for increasing the efficiency of cargo pumps on tankers. N. M. Podvolotskiy. Sudostroenie 57 no. 5: 15-19. My. '67.

TANK VESSELS—SAFETY MEASURES

Danger of the generation of electrostatic charges on tankers. N. Pilevin. Mor. flot 27 no. 4: 25-28. Ap. '67.

TANK WARFARE

The christening. M. Baltianskiy. Sov. voyn., 40 no. 2: 8. Ja. '67.

Medical support in submerged movement of tanks. E. A. Kharyayev. Voen.-med. zhur., no. 5: 61-62. My. '67.

TANK WARFARE—STUDY AND TEACHING

The word of tankmen. I. Noskov. Tekh. i voruzh., 25 no. 12: 18-19. D. '66.

TANKS

Birlik, V. S. [Mountable ship tanks]. Sudovye vkladnye tsisterny. Leningrad, Sudostroyeniye, 1966. 128 p. Calculating a spherical tank made of a nonlinearly elastic material and laying on a rigid support. L. V. Bozhikova. Izv. vuz. ucheb. zav., mashinost., no. 4: 20-24. '67.

TANKS—WASHING

Sugar in oil tanks. E. Muslin. Izobr. i rats., no. 11: 4-5. '66.

TANKS (MILITARY SCIENCE)

Improving the technical servicing of armored troops in military operations. A. Karpenko. Voen.-isl. zhur., 9 no. 4: 15-23. Ap. '67.

In the interest of developing the ballistic training of tankmen. V. Gavrilov. Komm. Vooruzh. Sil., 48 no. 10: 52-56. My. '67.

- TANKS (MILITARY SCIENCE) (Continued)**
Locator of crossing boundary lines. N. Tatin. Tekh. i vooruzh. 25 no. 12-49-51 D '66.
The party committee of a regiment and the squadron party organizations. V. Tsyplov. Komm. Vooruzh. 51 48 no. 9-43-46 My '67.
Time norms and present-day battles. V. Ushakov. Komm. Vooruzh. 51 48 no. 11-37-40 Je '67.
- TANKS (MILITARY SCIENCE)—MAINTENANCE AND REPAIR**
Norms are not goals in themselves. M. Pervukhin. Tekh. i vooruzh. 25 no. 11-32-33 N '66.
- TANNING MATERIALS**
Role of science in the development of the Soviet tanning materials industry. S. A. Kuratits. Kozh.-obuv. prom. 9 no. 4:1-4 'Ap '67.
- TANNU-TUVA** see Tuva A.S.S.R.
- TANTALUM-ZIRCONIUM ALLOYS** see Zirconium-tantalum alloys
- TANZANIA**
At the world map: Tanganyika. Agitator no. 22-46 N '61.
Katman, V. I. A. [Tanzania; a textbook for students] Tanzania; posobie dlia uchashchikhsia. Moskva, Prosveshchenie, 1967. 128 p. map (Chetovek i planeta).
- TAPE AND WIRE RECORDERS AND RECORDING** see Magnetic recorders and recording
- TAPEWORMS**
(see also subdivision under Amur Valley)
Occurrence of *Echinococcus granulosus* (Batsch, 1786, Rudolphi, 1801) in a wolf in Mordovia. A. P. Machinskii, P. A. Dobrosmylov, V. N. Semov. Uch. zap. Mord. gos. un. no. 54:158-160 '66.
Studying types of *Mondesia* agents infesting reindeer. N. S. Somenova. Trudy Nauch.-issl. inst. sel'khoz. Kraev. Sov. 13:113-116 '66.
- TARA VALLEY (OMSK PROVINCE)—VILLAGES**
Types of rural settlements in the Tara River basin (Omsk Province). P. I. Sigutov. Mat. po geog. nas. no. 1:80-100 '63.
- TARKHANKUT PENINSULA—DOLOMITE**
Sarmatian dolomites of Tarkhankut Peninsula (Crimea). L. S. Belokrya, I. V. Krasnov, D. I. Ishchenko. Lit. i pol. iskop. no. 2:45-58 Mr.-Ap '67.
- TARTARIC ACID**
Use of the ultrasound for purification of tartaric acid solutions. D. E. Glavatskii. Akust. i ultrazv. no. 2:31-33 '66.
- TASHKENT—CONSTRUCTION WORKERS**
When they don't think about the people. B. Aleksandrov. Ekoni. zhizn' 9 no. 1:67-70 Ap '67.
- TASHKENT—EARTHQUAKES AND BUILDING**
Effects of the Tashkent earthquake. S. Potlakov, V. Pavlyk, V. Konovodchenko. Zhil. stroi. no. 11:3-8 '66.
- TASHKENT—HOUSING MANAGEMENT**
The power of public opinion. I. Viner. Agitator no. 4: 53-54 F '61.
- TASHKENT—MACHINERY INDUSTRY—MANAGEMENT**
Advantages of the new system are evident. I. Pripuskov, I. I. Shchenkov, I. U. Abramov. Ekoni. zhizn' 9 no. 1: 26-28 Ap '67.
- TASHKENT—RECONSTRUCTION**
Stronger than the elements. Ekoni. zhizn' 9 no. 4:62-66 Ap '67.
When they don't think about the people. B. Aleksandrov. Ekoni. zhizn' 9 no. 4:67-70 Ap '67.
- TASHKENT—SOCIAL SCIENCES—STUDY AND TEACHING**
Use of technical teaching aids during lessons in social science. I. Eidel'man. Prof.-tekh. obr. 24 no. 3:23-24 Mr '67.
- TASHKENT—SOCIALIST COMPETITION**
The party guidance of socialist competition on the eve of the 22d Congress of the CPSU. F. A. Gureeva. Sbor. rab. asp. TashGU no. 254:93-115 '64.
- TASHKENT REGION—CONSTRUCTION INDUSTRY—ACCOUNTING**
Centralizing accounting in construction. A. Barbarash. Bukh. uch. 26 no. 3:48-50 My '67.
- TASKUDUK REGION (KAZAKHISTAN)—SHEEPSHEARING**
Shepherdlikarav from the Taskuduk region. A. Akzhigitov. Zakup. sel'khoz. prod. no. 5:50 My '67.
- TASTE**
Role of afferentation from taste receptors in the regulation of their functional activity. A. E. Esakov. Fiziol. zh. 53 no. 5:575-581 My '67.
- TATAR A.S.S.R.—CAPITAL**
Give more attention to the accounting for capital assets. K. Sadykov. Bukh. uch. 26 no. 5:24-26 My '67.
- TATAR A.S.S.R.—CREAM—GRADING AND STANDARDIZATION**
Where are state specifications for cream? F. Nizamiev. Zakup. sel'khoz. prod. no. 3:50 Mr '67.
- TATAR A.S.S.R.—GEOLOGY**
Geologic history of Tatar A.S.S.R. in Lower Frasnian time. G. P. Dananova. Trud. VNIGNI no. 51:73-78 '66.
- TATAR A.S.S.R.—GEOLOGY, STRATIGRAPHIC**
Pre-Tatar Permian formations of western Kama Valley, southwestern Tatar A.S.S.R., and northern Ulyanovsk Province. I. N. Tkhuinskii. Trudy VNIGNI no. 51:235-246 '66.
- TATAR A.S.S.R.—OIL FIELDS—EQUIPMENT AND SUPPLIES**
Use of correlation analysis for the evaluation of capital yield on the oil fields of Tataria. V. L. Bol'shov, M. V. Galeev. Ekoni. zhizn' no. 3:20-28 '67.
- TATAR A.S.S.R.—OIL WELL CEMENTING**
More attention should be paid to quality of oil tapping operations. A. Burnashev. Neftianik 12 no. 4:24-25 Ap '67.
- TATAR A.S.S.R.—OIL WELL COMPLETION**
More attention should be paid to quality of oil tapping operations. A. Burnashev. Neftianik 12 no. 4:24-25 Ap '67.
- TATAR A.S.S.R.—PALEONTOLOGY, STRATIGRAPHIC**
Boundary lines between Devonian and Carboniferous in Tatar A.S.S.R. S. I. Shevtsov, G. I. Martynenko. Trudy VNIGNI no. 51:120-127 '66.
Some new data on stratigraphy and lithology of Devonian sediments of Tatar A.S.S.R. E. E. Ivanov, S. I. Shevtsov. Trudy VNIGNI no. 51:62-72 '66.
Stratigraphy of Middle Carboniferous sediments in Tatar A.S.S.R. I. I. Kuznetsov. Trudy VNIGNI no. 51:217-228 '66.
- TATAR A.S.S.R.—PETROLEUM PRODUCTION**
Simplified method of forecasting petroleum production and water recovery in prospective planning for a long period. B. Z. Fatkhov. Ekoni. zhizn' no. 2:21-29 '67.
Use of correlation analysis for the evaluation of capital yield on the oil fields of Tataria. V. L. Bol'shov, M. V. Galeev. Ekoni. zhizn' no. 3:20-28 '67.
- TATAR A.S.S.R.—PETROLEUM REFINING**
Results of statistical analysis of parameters of preliminary petroleum refining process. V. M. Golitsyn and others. Nefti. prom. delo no. 3:19-23 '67.
- TATAR A.S.S.R.—RADIOBROADCASTING**
Our personal correspondent. N. Stal'tsov. Sov. radio i tel. 15 no. 3:35 Mr '67.
- TATAR A.S.S.R.—WEED CONTROL**
Mapping soil weediness. N. Semenov, Kh. Khabibrahmanov. Zemledelie 29 no. 5:44-45 My '67.
- TATAR JOURNALISTS** see Journalists, Tatar
- TATARKA, DOMENIK, 1913-**
School of solidarity. R. Otunin. V mire knig no. 3:34-35 '67.
- TATARS**
Some observations on the mastering of the Russian language by the Tatars in the surroundings of the Russian old-residents. O. I. Gordeeva. Uch. zap. TGU no. 40:75-80 '62.
- TAXICABS** see subdivision under Leningrad
- TAYMYR NATIONAL AREA—ECONOMIC CONDITIONS**
New life of the people of Taymyr. V. Vasil'ev. Agitator no. 4:9-11 F '61.
- TBILISI** see Tiflis
- TEA**
(see also subdivision under Georgia)
Changes in free amino acids in the process of tea production. M. A. Bokuchava, S. G. Georgadze, V. R. Popov. Sob. AN Gruz. SSR 46 no. 1:111-114 Ap '67.
- TEA—FERTILIZERS AND MANURES** see subdivision under Astara District
- TEA—IRRIGATION** see subdivision under Azerbaijan
- TEACHER-STUDENT RELATIONSHIPS**
A word about pedagogical tact. L. S. Nagornyykh. Vech. sred. shkola 10 no. 3:34-39 My-Je '67.
- TEACHERS**
(see also subdivision under Nikolayev)
A. P. Sitinin, a manual training instructor. N. I. Zubaturin. Shkola i prosv. 10 no. 9:13-14 S '66.
Our best people. Shkola i prosv. 10 no. 9:8, 53, 62 S '66.
Our best people. Shkola i prosv. 11 no. 5:26, 34, 44, 52. My '67.
Party organizations and schools. V. V. Shevchenko. Rad. shk. 46 no. 5:1-6 My '67.
We remember you. O. Gligorieva. Sem'ia i shkola 22 no. 5:43 My '67.
Works of artist-teachers. N. Romanov. Shkola i prosv. 11 no. 5:63-66 My '67.
- TEACHERS—SALARIES, PENSIONS, ETC.**
Legal consultation. G. V. Petrov. Vech. sred. shkola 10 no. 3:90 My-Je '67.
- TEACHERS, TRAINING OF**
(see also subdivision under Moscow)
Methodological study rooms in industrial enterprises. V. Al'bertin. Prof.-tekh. obr. 23 no. 10:28 O '66.
The raising of teachers' qualifications is the guarantee for success. V. F. Stanis. Vest. vys. shkoly 25 no. 6:3-6 My '67.
Study room supervisors need methodological assistance. A. N. Fomin. Vest. vys. shkoly 25 no. 5:72 My '67.
Teachers should study the methodology of their subjects. P. Baranov, E. Mordvinov. Prof.-tekh. obr. 23 no. 10:28 O '66.
- TEACHING**
(see also subdivision under Volyn' Province)
Anniversary pedagogical lectures. I. S. Mishchenko. Rad. shk. 46 no. 5:109-111 My '67.
At a lesson with a good teacher. Z. Koliadenko. Prof.-tekh. obr. 24 no. 4:14-15 Ap '67.
Discussion of the textbook "Pedagogy, a course of lectures." Sov. pedagog. 31 no. 5:41-66 My '67.
Individual approach to students in the educational theory and practice of Russian pre-revolutionary schools. M. I. Ljubitsina. Uch. zap. Ped. inst. Gerts. no. 297:228-247 '66.
The methods of teaching in the institutions of higher education as a science. G. L. Levin. Vest. vys. shkoly 25 no. 4:89-92 Ap '67.
On the border of psychology and the methodology of teaching. A. Vlasenkov. Vop. psikh. 13 no. 2:178-183 Mr.-Ap '67.
Propagandists of the progressive methods of education. O. M. Kuchurina. Rad. shk. 46 no. 5:80-81 My '67.
The system and planning of the education of students during classwork. A. A. Tikhonov. Uch. zap. Kost. gos. ped. inst. no. 9:114-125 '63.
The twist. I. U. Skrylev. Sem'ia i shkola 22 no. 5:34 My '67.
- TEACHING—AIDS AND DEVICES**
(see also subdivision under Alma-Ata; Moscow)
Developing a system of modern equipment for the secondary schools of general education. S. G. Shapovalenko. Sov. pedagog. 31 no. 5:67-78 My '67.
A school laboratory of technical aids to education. I. I. Driga. Sov. pedagog. 31 no. 5:85-91 My '67.
Some problems of the utilization of visual teaching aids and equipment. P. R. Atutov. Sov. pedagog. 31 no. 5:79-85 My '67.
The use of visual aids and methodology. E. I. Matina. Vest. vys. shkoly 25 no. 5:37-39 My '67.
- TEACHING—BIBLIOGRAPHY** see Bibliography—Teaching
- TEBERDA PRESERVE—GINSENG**
Ginseng in Teberda. S. I. A. Baev. Priroda no. 4:64-65 Ap '67.
- TECHNICAL EDUCATION**
(see also subdivision under Minsk; Samarkand; Sverdlovsk)
Academic year is coming to an end. V. Botsula. Sots. obozr. 42 no. 5:38-40 My '67.
Develop the laboratory studies in technical schools. P. I. Genzel. Stroi. i dor. mash. 12 no. 1:37-38 Je '67.
Experience in developing the technological thinking of students. B. Obshadko. Prof.-tekh. obr. 23 no. 10:17-20 O '66.
An experiment in a correspondence institute. S. K. Kants'nik, A. V. Nikol'skii. Vest. vys. shkoly 25 no. 5:25-30 My '67.
General principles of the determination of content, methodology, and form of polytechnical training in schools. K. A. Ivanovich, D. A. Epshtein. Sov. pedagog. 31 no. 5:98-107 My '67.
In the State Committee for Vocational and Technical Education of the Council of Ministers of the U.S.S.R. Prof.-tekh. obr. 24 no. 3:20 Mr '67.
Polytechnical education. M. N. Skatkin. Shkola i prosv. 10 no. 9:9-12 S '66.

TECHNICAL EDUCATION (Continued)

- Polytechnical or vocational education M Skatkin. *Skola i proizv* 22 no. 5:28-29 My '67
- Practical training program on automobiles; 9th grades. *Skola i proizv* 11 no. 4:8-10 Ap '67
- Practical training program on tractors; 9th-10th grades. *Skola i proizv* 11 no. 4:11-13 Ap '67
- Programmed training in industrial skills. Report 3. Organization of postoperational control during the development of industrial and professional skills without teaching machines. Z I Reshetova, I P Kaloshina. *Voprosy vopred nauk* no. 4:27-30 '65
- Solving technological problems in modeling. V M Artydin. *Skola i proizv* 11 no. 5:18-23 My '67
- Students learn by a new method. V Sidorov, A Gavrilov. *NTO* 9 no. 4:19-20 Ap '67

TECHNICAL EDUCATION—CURRICULA

- Programs for secondary schools. Polytechnic work programs for the 9th-10th grades. Explanatory notes. *Skola i proizv* 11 no. 4:8-9 Ap '67

TECHNICAL LIBRARIES

- (see also subdivision under Ukraine)
- Public inspection of the work of coal industry libraries. A S Kulakova. *Ugol'* 42 no. 5:73 My '67

TECHNICAL SOCIETIES

- (see also subdivision under Donetsk Province; Sverdlovsk)
- Anniversary watch. *NTO* 9 no. 4:2-4 Ap '67
- Characteristics of meetings, conferences and congresses of scientific and technological societies. L V Belov. *Mashinostroitel'* no. 5:39-40 My '67
- News from the All-Union Society of Inventors and Innovators. N Pavlova. *Izobrazitel'* no. 11:38 N '66
- Reports and elections in the scientific technological societies. *NTO* 9 no. 4:46-47 Ap '67
- Transformed land. I Fedorchenko. *NTO* 9 no. 4:36-37 Ap '67

TECHNOLOGICAL INNOVATIONS

- (see also subdivision under Armenia; Gorky Province, Kazakhstan; Lithuania, Poland; Ukraine; Ulyanovsk, White Russia)
- Advertising board. *Izobrazitel'* no. 11:26-27 N '66
- An automation controls. *Tekhn. i vooruzh.* 25 no. 12:71 D '66
- Accomplished-achieved. *Izobrazitel'* no. 11:17-18 N '66
- Creative nature of labor. V Ivanov. *Agitator* no. 22:29-31 N '61
- Creators of new technology. A Makhlasov. *Agitator* no. 5:20 M '61
- Determining the size of the author's fee. B V Polon'skiy. *Voprosy izobrazitel'* no. 2:3-4 F '66
- Experience and initiative. *Tekhn. i vooruzh.* 25 no. 11:73-79 N '66
- Experience and initiative. *Tekhn. i vooruzh.* 25 no. 12:72-76 D '66
- Initiative and experience. V Bondarev, V Ermakov, I Krasgovorov. *Fiz. i snab. Sov. Vost. Sib* 27 no. 1:87-88 Ja '67
- Innovations and inventions. *Prom. Bel.* 10 no. 4:50-53 Ap '67
- Introducing advanced technology. Z Komarov. *Tekhn. i vooruzh.* 25 no. 12:67 D '66
- New developments in science and technology. *Prom. Arm.* 10 no. 4:68-69 '67
- New developments in science and technology. *Prom. Bel.* 10 no. 6:64A-64B Je '67
- News in science and technology. *Sov. voen.* 48 no. 2:35 D '66
- News of science and technology. *Prom. Bel.* 10 no. 4:64A-64B Ap '67
- Notebook of the technologist of "Izobrazitel' i Rationalizator." *Izobrazitel'* no. 11:13-14 N '66
- Priority on an efficiency proposal. V A Popov. *Vop. izobrazitel'* no. 2:5-6 F '67
- Readers' letters. *Izobrazitel'* no. 11:38 N '66
- Skill of scientific management. M Rakovskiy. *NTO* 9 no. 4:15-17 Ap '67
- Something about everything. *Mashinostroitel'* no. 5:47 My '67
- Stimuli of inventions. V Ovchinnikov, S Bogoslovskiy. *Izobrazitel'* no. 11:35-36 N '66
- This can be used in your enterprise. *Mashinostroitel'* no. 5:24-25 My '67
- Where to go on a business trip. A Orachev, O Avdykovich. *Izobrazitel'* no. 4:28-29 '67

TECHNOLOGICAL INNOVATIONS—ECONOMIC ASPECTS

- Fund of innovators. *Izobrazitel'* no. 11:2-3 N '66

TECHNOLOGY

- (see also subdivision under Europe, Western; Moscow; Transcaucasia; United States)
- Looking into the future. *V mire knig* no. 3:14-15 '67
- Scientific and technical revolution and the building of the material and technical foundation of communism in the U.S.S.R. S Kheifman. *Mlr, ekon. i mezhdunar. otn.* no. 5:24-33 '67

Technological progress and the Soviet worker's culture. V Fedinin. *Sov. profsoyuz* 23 no. 8:28-29 Ap '67

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—ECONOMIC ASPECTS see subdivision under United States

TECHNOLOGY—INFORMATION SERVICES

- (see also subdivision under Czechoslovakia)
- Organization of scientific-technical information and promotion on standardization, quality, reliability and durability of articles. A S Nefedov. *Stand. i kach.* 31 no. 4:26-27 Ap '67
- A public office of technological information. I Mikhalev. *Agitator* no. 2:15 Ja '61

TECHNOLOGY—PERIODICALS

- Periodical "Mekhanizatsiya i avtomatizatsiya proizvodstva" is twenty years old. *Mekh. i avtom. proizv.* 21 no. 5:1-2 '67

TEDZHEN VALLEY—DE LITHI BOLL

- Natural foci of cutaneous leishmaniasis in Tedzhen and Murgab interfluvium. I A Dubovskiy and others. *Zool. zhur.* 46 no. 4:472-180 Ap '67

TEETH—DISEASES

- Method of obtaining identical tomographic pictures of the temporomandibular joint in pathological condition of the hard dental tissues. D M Gvozdevskiy. *Zhur. eksp. i klin. med.* 7 no. 1:98-101 '67

TEILHARD DE CHARDIN, PIERRE

- Philosophy of Teilhard de Chardin and modern ideological contest. Z Tordai. *Vop. nauch. ateiz.* no. 2:364-389 '66

TEKTITE

- (see also subdivision under Czechoslovakia)
- Comparative potassium-argon dating of tektites, the Nordlinger Ries (German Democratic Republic), Bosumtwi (Ghana) and other natural glasses. I Tserin-gel, V Gontsev. *Meteoritika* no. 27:151-152 '66

TELNES REGION (KEMEROVO PROVINCE)—BRUCITE

- Brucite marble from the Telnes region. M K Kharagezov, G R Borovik, A I Suchkov. *Ogneupor* 32 no. 5:21-26 '67

TELECOMMUNICATION

- (see also subdivision under Moldavia)
- During the course of 1917. *Vest. svyazi* 27 no. 5:28 My '67
- For successful development of rural telecommunication systems. *Vest. svyazi* 27 no. 5:18 My '67
- Important problems faced by the telecommunication workers in the year of the anniversary. *Vest. svyazi* 27 no. 5:3-4 My '67
- Radio of today and the future. E E Dobrovolskiy. *Vest. svyazi* 27 no. 5:1-2 My '67

TELECOMMUNICATION—ABSTRACTS

- [Radio engineering and telecommunication] Ref. zhur.: *Radiotekh. i elektrosvyaz'*, *Avtoiskl. ukazatel'* za 1966 g.

TELECOMMUNICATION—MANAGEMENT

- (see also subdivision under Kuybyshev)
- Contribution of Soviet telecommunication workers to the public. *Vest. svyazi* 27 no. 5:29-30 My '67
- Current problems of the economic reform. H I Khokkei. *Vest. svyazi* 27 no. 5:22-24 My '67
- Scientific organization of labor on a large scale. V N Lebedev. *Vest. svyazi* 27 no. 5:18-19 My '67

TELECOMMUNICATION—TECHNOLOGICAL INNOVATIONS see subdivision under Sochi

TELEGRAPH

- Law governing the distribution of probabilities of a different number of errors in a combination. O V Popov, V IA, Tulin. *Elektrosvyaz'* 21 no. 5:11-18 My '67
- Statistical studies of qualitative characteristics of telegraph channels. O F Dmitriyev, G A Emel'tanov. *Elektrosvyaz'* 21 no. 4:40-43 Ap '67
- The telegraph and telephone are both busy. A V Gorokhovskiy. *Vest. svyazi* 27 no. 5:27-28 My '67

TELEGRAPH—RELIABILITY

- Reliability of communication routes using parallel channels. N F Genkina. *Elektrosvyaz'* 21 no. 5:68-73 My '67

TELEMETER—TESTING

- Checking instrument balancing. L Novitskiy. *Tekhn. i vooruzh.* 25 no. 11:52-53 N '66

TELEMETERING

- Device for automatic control of signal levels in telemetry. A L Vakhrameev. *Elek. sta.* 38 no. 5:78-79 My '67

Predicting real interference resistance in mine systems for telemetering thermal parameters and mine air components. N I Furman, A V Pynak. *Dop. AN URSR, Ser. A* 29 no. 5:464-468 My '67

TELEPHONE

- Method for analytical representation of nonlinear characteristics of the output transformer of the group amplifiers of a long-distance communication system. B P Borisov. *Elektrosvyaz'* 21 no. 4:53-61 Ap '67
- Novikov, V A, ed. [Telephony]. *Telefoniya*, 2, part. 1 dop. izd. [By] V M Volkov i dr. Moskva, Transport, 1967, 408 p
- Phonetic coding of speech. A A Pirogov. *Elektrosvyaz'* 21 no. 5:24-31 My '67
- The telegraph and telephone are both busy. A V Gorokhovskiy. *Vest. svyazi* 27 no. 5:27-28 My '67

TELEPHONE—CONGRESSES

- All-Union Conference of Long Distance Telephone Communication Workers. *Vest. svyazi* 27 no. 5:32 My '67

TELEPHONE—EQUIPMENT AND SUPPLIES

- The "ten step switch" stand. N Akub, Prof. -lekht. obr. 21 no. 3:17 Mr '67

TELEPHONE—MANAGEMENT

- Efficient organization of labor in the switchboard departments of long-distance telephonic exchanges. Sh O Furman. *Vest. svyazi* 27 no. 5:10-22 My '67

TELEPHONE LINES

- Antiphonic transformer for attenuating low-frequency interference in the transmission of video signals through coaxial cables. I N Iablin. *Elektrosvyaz'* 21 no. 4:62-68 Ap '67

TELEPHONE LINES—MAINTENANCE AND REPAIR

- New design of a copper sulfate electrode. S S Bilenko and others. *Vest. svyazi* 27 no. 5:11 My '67

Parikozhka, I A, and V O Shvartsman. [Locating insulation damages in communication cables] *Opreделение мест повреждения изоляции кабелей связи*. Moskva, Svyaz', 1967, 247 p.

TELEPHONE LINES—NOISE

- Method for suppressing noises in high-frequency multiplex channels of overhead lines. A A Gorbachev, A I Gochikhin. *Vest. svyazi* 27 no. 5:10 My '67

Mikhailov, M I, and L D Razumov. [Protection of cable communication lines from the effects of external electromagnetic fields] *Zashchita kabel'nykh lini svyazi ot vliyaniya vneshnikh elektromagnitnykh poлей*. Moskva, Svyaz', 1967, 342 p.

TELEPHONE STATIONS

- Municipal crossbar exchanges and substations. B S Lovshits, G B Khanin. *Elektrosvyaz'* 21 no. 4:31-39 Ap '67
- Quasielectronic automatic telephone exchanges. L S Farafonov. *Vest. svyazi* 27 no. 5:12-14 My '67

TELESCOPE

- Effect of curvature of liquid surfaces on image quality in telescopes of liquid compensator level. I U Bespalov. *Izv. vys. ucheb. zav., geod. i aerof.* no. 5:95-100 '66
- Laureates of incentive prizes of the All-Union Astronomical and Geodetic Society. I T Zolkin, M M Shemjakina. *Zem. i vesol.* 2 no. 6:60-72 N-D '66

TELESCOPE, REFLECTING

- Most favorable relieving of large astronomical mirrors. G M Rubinshtein. *Izv. vys. ucheb. zav. prikl.* 10 no. 4:105-111 '67

TELEVISION

- Approximation of energy spectra of television and phototelemetry signals. N K Milenin. *Elektrosvyaz'* 21 no. 5:49-53 My '67
- Calculation of pulse resolving power of television apparatus. L I Khomov, V I Resin. *Tekhn. kino i telev.* 11 no. 4:34-39 Ap '67
- Conference of a study group (television) of the Third Technical Commission of the OIRT. *Tekhn. kino i telev.* 11 no. 4:90-92 Ap '67
- Effect of TV channel and camera on image uniformity. A E Gershberg, N N Mikhaltov-Teplov. *Tekhn. kino i telev.* 11 no. 4:30-33 Ap '67
- 50 Soviet years. G Groshev. *Sov. radio i tel.* 10 no. 4:1-3 Ap '67
- First electronic television system of the U.S.S.R. I F. Bettanski, V A Urvalov. *Radiotekhnika* 22 no. 5:74-77 My '67
- Laser beam in television. D Gordeev, E Ostapchenko. *Radio* no. 5:5-7 My '67
- Reference section. *Tekhn. kino i telev.* 11 no. 4:61-69 Ap '67
- Television, family, and children. A Diligent. *Sov. radio i tel.* 16 no. 4:46-47 Ap '67
- Television, is it progress or decline? (to be continued) A Diligent. *Sov. radio i tel.* 16 no. 3:40-42 Mr '67

2488

- TEP-GAZARIAN, EDGAR LAZAREVICH**
Chief engineering engineer. T Karapetian Prom Arm 10
no 4-8 '67
- TERBIUM ISOTOPES—DECAY**
Study on the ^{160}Dy decay. Issledovanie raspas-
s ^{160}Tb — ^{160}Dy . [By] I A Vizalid. [Dubna, 1967]
33 p.
- TERBIUM OXIDES**
Catalytic activity of terbium oxide toward the reactions
of hydrogenation and dehydration of alcohols and
the hydrogenation of tetralin. A A Balandina, A A
Tchepistova, V A Naumov. Khim. i tekhn. 8 no 2 363-
365 Apr-Apr '67.
- TERBIUM PERRHENATE**
Terbium and dysprosium perrhenates. M B Vaitolomeev,
A F Flushtchik. Izv. vuz. ucheb. zav., khim. i khim.
11-12 no 2 121-127 '67.
- TERBOVLYA DISTRICT—STONE (ARCHAEOLOGY)**
Archaeological study from Terbovlyia District. V G
Dor. Izv. Sov. arkh. no 2 243-244 '67.
- TERENIN, ALEKSANDR NIKOLAEVICH, 1896-1967**
Academician A. N. Terenin, obituary. Vest. AN SSSR
37 no 3 214 Apr '67.
- TERENT'EV, VALENTIN MIKHAILOVICH, 1907-**
Valentin Mikhailovich Terent'ev, on his 60th birthday.
TS M Hudnev, N M Stasenko, R I P'sarova. Vestsi
AN BSSR Ser. biol. i med. no 2 112-115 '67.
- TEREPHTHALIC ACID**
Industrial oxidation catalyst for the production of di-
methylterephthalate. S S Gitis and others. Khim.
prom. 42 no 9-24-26 '66.
Lowering the moisture content of terephthalic acid by
electroosmosis. N I Fkivina, N N T'shurupa. Khim.
prom. 42 no 9-29-30 '66.
Solubilization of polyethylene terephthalate. O A
Krasovskaya and others. Plast. massy no 5 60-70 '67.
- TERMS AND PHRASES**
[Problems of phraseology] Voprosy frazeologii. Tash-
kent, Nauka, 1965. 245 p.
- TERNOPOLE PROVINCE—HYDATIDS**
Epidemiology of echinococcosis in Ternopol' Province.
S P Marchenko. Med. paraz. i paraz. bol. 36 no 2:
257 Mar-Apr '67.
- TERPENES**
Comparative study of antioxidant activity of alkyl-substi-
tuted phenols and terpenophenols. N A Zakharova and
others. Zhur. obshch. khim. 37 no 4 801-805 Apr '67.
- TERPHENYL**
Oxidizing terphenyl from benzene. D A Aliev and
others. Nefteper. i neftekhim. no 1 26-28 '67.
- TERRACES (GEOLOGY)**
Traces of cosmic changes in Quaternary deposits. S P
Gorshkov. Zem. i vesl. 2 no 6 22-29 N-D '66.
- TERRESTRIAL MAGNETISM** see Magnetism, Terrestrial
- TERRESTRIAL REFRACTION** see Refraction, Ter-
restrial
- TERSEY ALATAU—GEOMORPHOLOGY**
Glaciological and geomorphological studies of Tien Shan
Expedition of Leningrad State University in Terskey
Alatau. A K Rumin. Vest. LGU 22 no 6 158-159
Mar '67.
- TERSEY ALATAU—GLACIOLOGICAL RESEARCH**
Glaciological and geomorphological studies of Tien Shan
Expedition of Leningrad State University in Terskey
Alatau. A K Rumin. Vest. LGU 22 no 6 158-159
Mar '67.
- TESTICLE**
Age-related and seasonal changes in reindeer testicle.
E B Borozdin. Trudy Nauch.-issl. inst. sel'khoz.
Kraev. Sev. 13:167-165 '66.
- TESTICLE—DISPLACEMENT**
Perineal testicular ectopia in a boy. S S Pavlov. Vest.
khir. 98 no 4 115-116 Apr '67.
- TESTING**
Quick-action fatigue tests by the "forcing" method.
Kh. B. Korodonskiy. Zav. lab. 33 no 3 321-331 '67.
Reliability of determining the fatigue limit of titanium
as dependent on the extent of the testing base. D S
Reinberg. Zav. lab. 33 no 3 332-354 '67.
Selective weighing of production. I A Ostrov. Blud. tekhn.
-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. in-
form. 20 no 5 45-48 May '67.
Statistical processing of the results of fatigue testing on a
bonded base. V I A. Senik. Zav. lab. 33 no 3 336-339
'67.
- TESTING LABORATORIES** see subdivision under Len-
ingrad
- TESTING MACHINES**
(see also subdivision under Germany, East)
Changes in the design of IRM-02 machines for tensile
testing of metal specimens at high temperatures in a
vacuum or neutral gas. D V Lebedev, B M Orshtannikov.
Zav. lab. 33 no 3 374-375 '67.
Unit for testing pressure pickups. V V Bokov. Blud.
tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn.
inform. 20 no 5 37-38 May '67.
Universal stand for testing gear wheels. V I Tishkov,
O V Berestnev. Prom. Bel. 10 no 4 58-59 Apr '67.
- TESTING MACHINES—STANDARDS**
Standardization of methods and means for testing quality,
reliability, and durability of machinery. F M Kemer,
A I Kubatov. Blud. i dok. mash. 12 no 33 '67.
- TETANUS**
Efficient utilization of horses producing antitetanus serum.
G M Mikhailova and others. Trudy Mosk. nauch.-issl.
inst. vak. i gyg. 17 187-192 '61.
Experimental treatment of hypoxia in tetanus. V A
Avet'yanov, G N Tsybuliak. Pat. fiziol. i eksp. terap.
11 no 1 78-79 Jan-Feb '67.
- TETANUS—MICROBIOLOGY**
Study of the antigenic structure of filtrates of the soil
strains of Clostridium tetani by means of diffuse pre-
cipitation in agar. I U B. Volgin, T I Sergeeva. Zhur.
mikrobiol., epid. i immun. 44 no 4 118-121 Apr '67.
- TETANUS—PREVENTION**
Problems of serum and anatoxin therapy and prevention
of tetanus. G N Tsybuliak, V G Nemichev, V O
Rozhdestvenskaya. Zhur. mikrobiol., epid. i immun.
44 no 5 25-30 May '67.
- TETANUS—PREVENTIVE INOCULATION**
Avidity and therapeutic activity of native antitoxin
and antitetanus sera. V B Friedman. Trudy Mosk.
nauch.-issl. inst. vak. i gyg. 17 201-206 '61.
Comparative study of the reactivity and immunolo-
gical effectiveness of typhoid-paratyphoid-tetanus
caccine in aerosol and subcutaneous introduction during
revaccination. N I Aleksandrov and others. Zhur.
mikrobiol., epid. i immun. 44 no 4 15-20 Apr '67.
- TETANUS ANTITOXIN**
Problems of serum and anatoxin therapy and prevention
of tetanus. G N Tsybuliak, V G Nemichev, V O
Rozhdestvenskaya. Zhur. mikrobiol., epid. i immun.
44 no 5 25-30 May '67.
Relationship of the formation of tetanus antitoxin in pa-
tients with the dosage of the antigen and the number of
vaccinations. Report No. 1: Reactogenicity and effective-
ness of purified sorbed anatoxin in primary immuniza-
tion. N S Kashintseva and others. Zhur. mikrobiol.,
epid. i immun. 44 no 5 84-88 May '67.
Results of single intranasal revaccination with diphtheria-
tetanus anatoxin. I E Alayrteeva, A N Matenskii.
Zhur. mikrobiol., epid. i immun. 44 no 5 81-84 May
'67.
- TETRACYCLINE**
Connection between the immunological reactivity of pa-
tients with acute dysentery and the method of tetracy-
cline administration. K V Klimov. Zhur. mikrobiol.,
epid. i immun. 44 no 6 31-37 Jun '67.
Effect of tetracycline on the reticuloendothelial system in
reindeer. B V Maslakhin. Trudy Nauch.-issl. inst.
sel'khoz. Kraev. Sev. 13:167-170 '66.
Use of tetracycline in combination with glucosamine in
inflammatory processes of the biliary tract. V R
Sobolev and others. Antibiotiki 12 no 5 436-438 May
'67.
- TETRAPEPTIDES**
One-step synthesis of protected tetrapeptide. L A Liu-
blinskaya, V G Dezhnev. Izv. AN SSSR. Ser. khim.
no 4 840-843 Apr '67.
- TETRAZOLIUM COMPOUNDS**
Use of tetrazolium in establishing summer dormancy
rates in early spring ephemerals of oak forests. T A
Kovaleva. Bot. zhur. 52 no 5 670-671 May '67.
- TETYUKHE REGION (MARITIME TERRITORY)—
GALENA**
Temperature of the formation of sphalerite and galenite
in the Verkhneye skarn-complex metal deposit (Tetyukhe).
P S Garbuzov, L N Kheichikov. Soob. DVFN SSSR
no 24:85-90 '65.
- TETYUKHE REGION (MARITIME TERRITORY)—
SPHALERITE**
Temperature of the formation of sphalerite and galenite
in the Verkhneye skarn-complex metal deposit (Tetyukhe).
P S Garbuzov, L N Kheichikov. Soob. DVFN SSSR
no 24:85-90 '65.
- TETYUKHE VALLEY—ROCKS, IGNEOUS**
Genesis of intrusive complexes of the Tetyukhe ore zone.
N V Bulavko. Soob. DVFN SSSR no 21 9-13 '65.
- TEXTILE FABRICS**
(see also subdivision under Caucasus, Northern)
Methods for the experimental determination of the order
of the structural phase of plain weave fabrics. V P
Sriannikov. Izv. vuz. ucheb. zav., tekhn. tekst. prom.
no 1 20-24 '67.
Theoretical study of the process of structural change of
a plain-weave fabric. L D Nichiporchik. Izv. vuz.
ucheb. zav., tekhn. tekst. prom. no 1 64-69 '67.
- TEXTILE FABRICS—MOISTURE**
Thermal properties of moist fabrics in packages. N P
Zamotayev. Izv. vuz. ucheb. zav., tekhn. tekst. prom. no. 1
11-19 '67.
- TEXTILE FABRICS—TESTING**
Studying the wear resistance of lining fabrics on the
"Arzu" apparatus. T G Nasirov, S S Paltidov. Za
tekhn. prom. 7 no 4 14-16 Apr '67.
- TEXTILE FABRICS—THERMAL PROPERTIES**
Thermal properties of moist fabrics in packages. N P
Zamotayev. Izv. vuz. ucheb. zav., tekhn. tekst. prom. no. 1
11-19 '67.
- TEXTILE FACTORIES—AIR CONDITIONING**
Experimental study of the spraying chamber in case of
small coefficients of spraying and short sprayed areas.
R N Shister. Izv. vuz. ucheb. zav., tekhn. tekst. prom.
no. 1 131-136 '67.
- TEXTILE FIBERS**
Filtration of liquid through a layer of deformed textile
materials. V B Klenov. Izv. vuz. ucheb. zav., tekhn.
tekst. prom. no 1 126-130 '67.
Force action of a homogeneous electrical field on a
single fiber strand. A T Nagl-Zade. Izv. vuz. ucheb.
zav., elektromekh. no 1 21-28 Jan '67.
- TEXTILE FIBERS, SYNTHETIC**
Chemical fiber plant and local conditions. I U N.
Pushkarev. Vop. geog. no 72 126-130 '66.
Economic evaluation of the use of high-bulk and elastic
yarn in the production of knit outerwear. I G Pro-
kurina. Izv. vuz. ucheb. zav., tekhn. tekst. prom. no. 1 9-13
'67.
Effect of cleaning and degassing coagulating baths in
the production of viscose fibers and films by flotation.
Report No. 2. S D Fridman, A V Iudin, I A Mikhlin.
Izv. vuz. ucheb. zav., tekhn. leg. prom. no 2 52-57 '67.
Geography of the Soviet chemical fiber industry. L I
Tatarskaya. Vop. geog. no 72:76-86 '66.
Phosphorylation of polyvinyl alcohol fibers with phospho-
rous acid esters. N F Orlov, M V Androsova. Izv.
vuz. ucheb. zav., tekhn. tekst. prom. no. 1 113-116 '67.
Statistical indices of the introduction of a new technology in
chemical fiber plants. G M Jakovleva. Khim. prom.
Ukr. no 3 46-47 May-June '67.
Study in the field of the modification of synthetic fibers
by forming them from melts of polymer mixtures. I V
Nestrukh, A V Iudin. Izv. vuz. ucheb. zav., tekhn. leg.
prom. no 2 30-36 '67.
Study of the stability of water suspensions of titanium
dioxide. L A Shein, A V Iudin. Izv. vuz. ucheb. zav.,
tekhn. leg. prom. no 2 37-44 '67.
Testing fishing net material from synthetic fibers as to
its resistance to light and other atmospheric phenomena.
D N Mikhailova. Trudy VNIRO. 61 315-330 '66.
- TEXTILE FIBERS, SYNTHETIC—QUALITY CONTROL**
see subdivision under Engels
- TEXTILE INDUSTRY**
(see also subdivision under Leningrad)
Successful results in a difficult undertaking. V Kuz'mi-
chev. Agitator no 24:30-32 D '61.
- TEXTILE INDUSTRY—EQUIPMENT AND SUPPLIES**
Sharpening the curved edges of cutters. I I Peiman.
Izv. vuz. ucheb. zav., tekhn. tekst. prom. no 1 173-175 '67.
- TEXTILE INDUSTRY—FIRES AND FIRE PREVENTION**
Zagorovskiy, L V., V I Kostin, and K A Smirnov.
[Fire prevention in enterprises of the textile industry]
Pozharaya profilaktika na predpriyatiakh tekstil'noi
promyshlennosti. Moskva, Stroizdat, 1967. 222 p.
- TEXTILE INDUSTRY—LABOR PRODUCTIVITY**
Work method in spinning and weaving production. D V
Shtinov. Vop. truda no 3:88-120 '69.
- TEXTILE INDUSTRY—MANAGEMENT** see subdivision
under Ryzan
- TEXTILE PRINTING**
Printing of fabrics made from acetate fibers with insoluble
azo dyes. F I Sadov, K O Kafina, N E Dufashe-
va. Izv. vuz. ucheb. zav., tekhn. tekst. prom. no 1 86-89
'67.

THEORY OF THE THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THEORY OF THERMAL STRESSES

See also 443 437 My '67

THERMAL PETROLEUM PRODUCTION

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

THERMAL STRESSES

See also 443 437 My '67

Use of analog computers in the determination of the parameters of the transfer functions of thermoelectric converters without registering the acceleration curves. V. E. Shukhunov, Izv. vuz. ucheb. zav. elektromekh. no. 4:417-421 Ap '67.

THERMOLUMINESCENCE

Mechanism underlying the low-temperature decrease of the radioluminescence yield. D. D. Alukin, I. P. Mazina, Opt. i spekt. 22 no. 5:786-791 My '67. Thermoluminescence of some stony meteorites. I. N. Ovchinnikov, V. G. Makenkov, Meteoritika no. 27:58 62 '66.

THERMOMAGNETISM

Effect of galvanic and thermomagnetic phenomena on readings of a natural thermocouple. E. A. Umarov, G. I. Iakunin, Izv. AN Uz. SSR. Ser. tekhn. nauk. II no. 3:29-32 '67. Thermomagnetic effects in finite metallic samples. M. A. Arbel', V. G. Peshchanskiy, Zhur. eksp. i teo. fiz. 52 no. 1:1003-1012 '67.

THERMOMETERS

Multirange deep well thermometer with a measuring range up to 300° C. O. M. Charyev, Mash. i nef. stroit. no. 5:25-30 '67.

THERMOPILES

Effectiveness of a semiconductor substance for coating thermopiles. A. G. Shchubina, Khol. tekhn. 11 no. 5:21-24 My '67.

THERMOPLASTICS

Relation between the sensitivity of thermoplastic films and the yield value of the polymers. A. I. Babichin and others, Zhur. nauch. i prikl. fiz. i khim. 12 no. 2:149-150 Ma-Apr '67.

Thermophysical properties of some thermoplastic polymers. I. I. Chel'nykh, K. G. Terlyshnik, Khim. prom. Ukr. no. 5:24-28 5-6 '66.

THERMOSETTING PLASTICS

Modern automatic equipment for processing thermosetting materials. V. K. Zavgonodii, Mekh. i avtom. proizv. 21 no. 5:34-37 '67.

THERMOSETTING PLASTICS—MOLDING

Production of shaped articles from thermosetting plastics by the extrusion method. E. S. Ostapenko, Khim. prom. Ukr. no. 3:57-58 My-Je '67.

THIAZINE

Preparation of 2-thio-1-thiazanone and 2,4-thiazanedi-thione. E. V. Vladimirovskaya, N. M. Tsvetkov, Zhur. prikl. khim. 40 no. 3:698-699 Mi '67.

THICKNESS MEASUREMENT

Improvement of a noncontact optical thickness gauge. V. P. Vionovskiy, S. A. Rodionov, Zav. lab. 33 no. 3:378-379 '67.

Studying the type ITNP-63 thickness gauge. M. A. Allov, Za tekhn. prog. 7 no. 2:8-10 P '67.

Use of an ultrasonic resonance thickness gauge in measuring objects with nonparallel surfaces. I. N. Pimolov, Zav. lab. 33 no. 3:311-313 '67.

THIOCYANATES

Content of thiocyanates and ammonia in the blood of some laboratory animals. P. V. Antukhova, A. A. Golubev, Biol. eksp. biol. i med. 63 no. 6:19-20 Jo '67.

Fluoranthrydrides of isothiocyanatophosphoric acids. Zh. N. Ivanova, E. A. Stukalo, G. L. Derkach, Zhur. ob. khim. 37 no. 5:1144-1147 My '67.

Preparation of 2-thio-4-thiazanone and 2,4-thiazanedi-thione. E. V. Vladimirovskaya, N. M. Tsvetkov, Zhur. prikl. khim. 40 no. 3:698-699 Mr '67.

Study of the kinetics of high-speed fixation. I. N. Pimolov, V. G. Ivanova, H. V. Dimitrov, Zhur. nauch. i prikl. fiz. i khim. 12 no. 2:89-87 Mi-Apr '67.

THIOCYANOGEN

Studying sorption of thiocyanogen- and thiocyanate ions by AN-1, AN-2T, and AV-17 anion exchangers. I. N. Plakshin, V. A. Alokseeva, A. Z. Zolotarev, Izv. vuz. ucheb. zav. i gor. zhur. 10 no. 3:140-152 '67.

THIOKOL

Porous materials from liquid thiolol. A. V. Solomatina and others, Kauch. i rez. 26 no. 5:23-26 '67.

THIOLS

Amides and anhydrides of phosphorus acids. Part 13: Phosphorylation of mercaptans. E. K. Shlenkova, V. P. Evdakov, Zhur. ob. khim. 37 no. 4:808-801 Ap '67.

Formation of hydrogen bonding in solutions of some amino-mercaptans. A. P. Klimov and others, Zhur. ob. khim. 37 no. 4:768-771 Ap '67.

Thiol-disulfide exchange in liquid thiocols studied by means of turbidimetric titration. A. E. Tsvirina and others, Dokl. AN SSSR 174 no. 1:107-110 My '67.

ISOPHENE

Isolation of thiophene by isobutylenes. N. I. Shulkin, B. I. Lebedev. Izv. AN SSSR Ser. khim. no. 5 1154-1155 35, '67

Catalytic conversions of thiophene on oxides and metal surfaces. V. V. Mashkina, T. S. Sukhareva, V. I. Chernov. Neftekhimiya 7 no. 2 301-304 Mr-Apr '67

Thermodynamic stability of α -alkylthiophenes and α -alkylthiophenes. R. D. Obolensky, I. U. E. Nikitina. Neftekhimiya 7 no. 2 331-334 Mr-Apr '67

ISOMERS

Isomerism and Immanuel Kant's theory of knowledge. V. A. Shalala. Vest. Mosk. un. Ser. 8 Filoz. 22 no. 1 5-53 Jan-Feb '67.

ISOCRAZINE see Chlorpromazine

ISORIANITE

(see also subdivision under Siberia)

Calcite thorianite from magnesian skarns. G. V. Andreev, V. M. Maslov. Trudy BKNII 22 136-142 '66.

ISORIUM ISOTOPES

Studying the 14-minute fission product in the Th230 + B¹⁰ reaction. V. I. Kuznetsov, N. K. Skobelev. Izd. fiz. 3 no. 5 1132-1137 My '67

ISORIUM NITRATE

Reaction of thorium nitrate with phosphoric acid and sodium phosphates in aqueous solutions. I. V. Tananayev, I. A. Rozanov, E. N. Beisenov. Izv. AN SSSR. Neorg. mat. 3 no. 5 832-830 My '67.

ISORNYCROFT, SIR JOHN ISAAC, 1843-1928

Traycraft, the son of a sculptor, German Smirnov. Izobr. i. rais. no. 4:30-33 '67.

THOUGHT AND THINKING

Book on one of the vital problems of the psychology of thinking. S. G. Gellershtein, M. I. Bobueva. Vop. psikh. 13 no. 2 169-173 Mr-Apr '67.

Consideration of individual characteristics of thinking in schoolchildren during the process of teaching. G. P. Antonova. Vop. psikh. 13 no. 2 89-100 Mr-Apr '67.

Development of the relative independence of thought and its role in the development of natural sciences. V. S. Lital. Filoz. probl. such. prirod. no. 6:17-28 '66.

Human heuristics. O. K. Tikhomirov, V. A. Terokhov. Vop. psikh. 13 no. 2 26-41 Mr-Apr '67.

THRIPS—BIOLOGICAL CONTROL

Entomophaga and pathogens of fungus diseases in thrips feeding on plants. N. P. Diadchko. Zashch. rast. (Kiev) no. 4:149-151 '67.

THROMBOPHLEBITIS

Clinical and experimental substantiation of phlebography in thrombophlebitis and postphlebotic syndrome of the lower extremities. R. P. Askerkhanov, G. G. Magomedov. Vest. khir. 98 no. 4:93-98 Ap '67

THROMBOSIS

Diagnosis and treatment of acute thrombosis of the posterior vena cava. V. S. Savelyev, E. P. Dumpe, E. G. Ilyukov. Vest. khir. 98 no. 4:26-29 Ap '67

Diagnosis and treatment of the Paget-Schroetter syndrome. L. I. Klonov, E. V. Poterikina, I. I. Ruslanov. Sov. med. 30 no. 5:128-132 My '67

Thrombohemorrhagic syndrome in acute bleeding. I. G. Bezarskii. Sob. AN Gruz. SSR 46 no. 2:505-511 My '67.

Thrombohemorrhagic syndrome in dogs during surgery with the apparatus of artificial blood circulation in vitro. G. Sh. Labakhua. Sob. AN Gruz. SSR 46 no. 2:513-517 My '67.

THUNDERSTORMS

Possibility of determining location of distant seat of origin of thunderstorms from one point. B. K. In'kov. Meteor. i. gidrol. no. 4:102-105 Ap '67.

THYMINE

Anatomical study of the genus Thymus L. L. M. Aloyeva. Sob. AN Gruz. SSR 46 no. 2:438-446 My '67.

THYMUS GLAND

Quantitative determination of nucleic acids in isolated cell nuclei of the thymus gland. K. I. Dancheva. Vop. med. khim. 13 no. 3 320-322 My-Je '67.

THYROID GLAND

Nucleotide composition of bulk and ribosome RNA in tissues of normal thyroid gland and following nodular euthyroid goiter. B. A. Alakhanova, I. A. Kh. Turakulov. Uzb. biol. zhur. 11 no. 2:7-10 '67.

THYROID GLAND—CANCER

Rare case of metastasis of cancer of the thyroid gland into the soft tissues of the mandible. S. O. Nikogosova, A. M. Igittkhanian. Zhur. eksp. i. klin. med. 7 no. 2:91-91 '67.

THYROID GLAND—DISEASES

Influence of transverse overloads on the histological structure of internal organs in rats with different functional state of the thyroid gland. I. I. Polotska, O. V. Chernov. Fiziol. zhur. (Ukr.) 13 no. 3:376-381 My-Je '67.

Value of the method of radioisotope scanning in some diseases of the thyroid gland. E. D. Dubovyi, N. D. Kadyr-zade, F. N. Kitoraga. Klin. khir. no. 3:15-16 Mr '67.

THYROID GLAND—SURGERY

Current problems of the clinical aspects, diagnosis and surgical treatment of the nodular forms of goiter. M. M. Kovalev. Klin. khir. no. 3:1-7 Mr '67.

Significance of gamma topography in the diagnosis and surgical treatment of goiter. I. I. Kalichenko, F. P. Nechipoenko, M. A. Khomenko. Klin. khir. no. 3 1-14 Mr '67.

THYROID HORMONES

Influence of sympatholytic on the development of hemodynamic effects of thyroid hormones. K. M. Estor, V. I. Kandrov. Biol. eksp. biol. i. med. 63 no. 6:30-33 Je '67

THYROIDIN—THERAPEUTIC USE

Synergism of the inhibiting effect of thyroidin and inositol on the development of experimental atherosclerosis. L. A. Masanikov, N. M. Lobova, V. A. Kasili. Kardiologia 7 no. 3:90-96 Mr '67.

TICKS

Cultivation of Dermacentor sibiricus and murinus in cell cultures. V. I. Bondarenko, Zhur. mikrobiol., epid. i. immun. 44 no. 4 135 Ap '67.

Distribution of the ticks Ixodes persulcatus and their hosts in overgrowing clearing and in spruce and fir forest. M. A. Shumkov. Med. paraz. i. paraz. bol. 36 no. 3 283-287 My-Je '67.

Methodology of studying the survival of ascarid eggs kept together with soil ticks. V. E. Evseeva, I. U. A. Chervanova. Med. paraz. i. paraz. bol. 36 no. 2:235-237 Mr-Apr '67

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Donets Basin)

Experimental transmission by ticks Ornithodoros alac-tagalis and Ornithodoros verrucosus of Spirocheta sogdianum, the pathogen of tick-borne recurrent typhus. Kh. A. Chubarian. Zhur. eksp. i. klin. 7 no. 2:22-26 '67

Intermittent feeding of Ixodidae ticks as a possible way of transmitting the tick-borne encephalitis virus. N. S. Bellaeva, P. V. Abushkevich. Med. paraz. i. paraz. bol. 36 no. 3 289-292 My-Je '67.

TICKS AS LABORATORY ANIMALS

Maintenance of strains of rickettsia Dermacentorixenus sibiricus on ticks Ornithodoros lahorensis Neumann. V. E. Sholov, I. M. Gokhovskaya, V. N. Krutchevnikov. Med. paraz. i. paraz. bol. 36 no. 3:323-327 My-Je '67.

TIDES

Effect of tidal phenomena on plankton and pelagic fish dynamics in the northwestern part of the Black Sea. L. G. Kovai, M. Sh. Rozenburg, D. M. Polnarin. Gidrol. i. biol. zhur. 3 no. 3:82-85 '67.

Mechanism of the action of tidal forces on atmospheric circulation. I. V. Maksimov. Probl. Arkt. i. Antark. no. 26:5-11 '67.

Normal annual circumpolar tide and its significance for the circulation of the ocean and the earth's atmosphere. N. V. Maksimov, N. P. Smirnov. Okeanologia 7 no. 2: 225-231 Mr-Apr '67.

TIAN SHAN—PRECIPITATION (METEOROLOGY)—ANALYSIS

New data on the chemical composition of atmospheric precipitation of the northern Tien Shan. E. I. Lagutin. Dokl. AN SSSR 173 no. 6:1426-1429 Ap '67.

TIAN SHAN—ROCKS, SEDIMENTARY

Red-colored Silurian rocks in the southern Tien Shan. O. N. Khmel'skaya. Dokl. AN Uz. SSR 23 no. 6:43-48 '66.

TIFLIS—MAGNETISM, TERRESTRIAL—SECULAR VARIATION

Cyclic fluctuations of secular variations of the geomagnetic field in Tiflis. M. Z. Nodia, N. A. Katsalashvili, N. S. Khvedelidze. Geomag. i. aer. 7 no. 1:140-155 '67.

TIFLIS—MANUFACTURES

Enterprise has received a claim. Stand. i. kach. 31 no. 4:88 Ap '67.

TIFLIS—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Working under new conditions. V. Kereselidze. Avi. transp. 45 no. 5:22 My '67

TIFLIS REGION—BOTANY

Vegetation of moving talus in the vicinity of Tiflis. P. G. Giorgadze. Sob. AN Gruz. SSR 46 no. 1:181-187 Ap '67.

TIGER HUNTING see subdivision under Kamaon

TIGERS see subdivision under Soviet Far East

TIKHVIN REGION (LENINGRAD PROVINCE)—STRIP MINING

Engineering and geological zoning for evaluating stability of rocks in open-pit mine fields, on the example of Tikhvin Mining Industry District. V. N. Novozhilov. Zap. LGI 52 no. 1 56-59 '66

TIKHVIN REGION (LENINGRAD PROVINCE)—STRIP MINING—SAFETY MEASURES

Experience in electrochemical strengthening of clayey ground in open-pit mines of the Tikhvin Alumina Plant. A. G. Khutashvili, V. N. Novozhilov. Zap. LGI 52 no. 1 66-74 '66.

TIKSI BAY (POLAR REGIONS)—AIRFLOW

Structure of the diurnal variation of the aural activity in Tiksi Bay. I. A. Nadapovich. Geomag. i. aer. 7 no. 1:119-121 '67.

TILES

Intensification of the drying of ceramic slips. I. U. I. Volodki. Khim. prom. Ukr. no. 3:35-37 My-Je '67

TILLAGE

Effect of physical and mechanical characteristics on the stresses during tillage. N. A. Makarova. Trudy TSNIIMESKH 3 12-20 '64

Importance of intertillage of row crops in the non-Chernozem zone. N. N. Tretyakov and others. Vest. sel'khoz. nauk. 12 no. 5 25-29 My '67

Methodology for determining the degree of the displacement of soil by cultivating equipment. D. R. Osmanov. V. A. Sosnin. Vest. sel'khoz. nauk. (Kazakh) 10 no. 5 81-83 My '67

Response of winter wheat varieties to the methods of cultivation and irrigation. P. I. Grebennikov, V. G. Grebennikov. Vest. sel'khoz. nauk. 12 no. 5 13-17 My '67.

Technological justification of the mechanization of tillage in the non-Chernozem zone of the USSR. A. T. Vagin, D. I. Zerkovich. Trudy TSNIIMESKH 3 3-11 '64.

Water conditions of cultivated turf-Podzolic soils. N. D. Pustovoytov, N. I. Shilina. Pochvovedenie no. 5 54-65 My '67.

TILLAGE—EQUIPMENT AND SUPPLIES

Design of rotary-type tilling machinery. A. S. Klimovich. Trudy TSNIIMESKH 3 44-47 '64.

TIMAN RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphic significance of the division of the middle and lower part of the Upper Devonian of the southern Timan Range based on the study of spore-pollen complexes. I. A. Volkovich. Izv. AN SSSR. Ser. geol. no. 5 130-142 My '67.

Stratigraphy of ancient formations of the Timan Range. F. A. Volochayev, A. I. Kukushkin, K. A. L'vov. Dokl. AN SSSR 173 no. 6:1380-1392 Ap '67.

TIMAN RANGE—PALYNOLOGY

Stratigraphic significance of the division of the middle and lower part of the Upper Devonian of the southern Timan Range based on the study of spore-pollen complexes. I. A. Volkovich. Izv. AN SSSR. Ser. geol. no. 5 130-142 My '67.

TIMASHEVO (KUYBYSHEV PROVINCE)—SUGAR

Factories—EQUIPMENT AND SUPPLIES

Operation of the station for juice production at the Timashevo Sugar Factory. N. V. Khelre, E. I. Kovai. Trudy VNISI* no. 13:30-44 '66

TIME AND ECONOMIC REACTIONS

The national economic balance as a general model of the reproduction of the means of production. I. Malyshov. Vest. stat. no. 5:14-23 '67

Rates of development and national economic proportions in 1966-1967. P. Kizlov. Plan. khoz. 44 no. 6:26-30 Je '67.

TIME MEASUREMENTS

Analog computing devices for determining the relationships of two time intervals. G. I. A. Kriukov, Mikh. i. avtom. upr. no. 2 17-18 Mr-Apr '67

TIME PERCEPTION

Physiological mechanism of time perception. A. S. Dmitriev. Usp. sov. biol. 52 no. 3:274-290 N-D '61.

Relationship between a "sense of time" and a "sense of distance" in skiers. A. S. Egorov, I. U. N. Lebedev. Nov. izl. v. ped. nauk. no. 4:250-254 '65.

TIME STUDY

Accuracy of chronometric data in establishing technically justified production norms. G. A. Sen'ko. Mor. por. i. nauch. trudy no. 2:30-35 '66

Analysis of the structure of the working time of brigade leaders and managers. II Repp, M. Tamam, Ekon. sel'khoz. 42 no. 5 91-101 '67.

Studying time expenditure by magnetic type recorders. A. T. Kravchuk. Vest. sel'khoz. nauk. 12 no. 5 101-107 My '67

TIN-CADMIUM ALLOYS

Polarization during hydrogen evolution on Sn-Cd alloy. M. S. Grilikhes, B. S. Krasikov. Vest. LGU 22 no. 4: 101-105 F '67.

- TIN CANS**
(see also subdivision under Black Sea region)
Use of lacquered chrome-plated tin in canning industry
I A Valter, Rys'thor, 43 no 4-57-58 '67
- TIN CHLORIDES—THERMODYNAMICS**
Dimerization of gaseous stannous chloride, N. V. Karpenko,
G. I. Novikov, Vest LGU 22 no 4 72-77 '67
- TIN INDUSTRY**
Tin industry of the U.S.S.R. during 50 years, G. A.
Linchevskii, TSvet, met 19 no 4 12-14 '67
- TIN ORES**
Tin potential of the places of the U.S.S.R. and prospects
for development of mineral resources, S. I. Lugov
Havet, tekhn. 33 no 5 3-9 '67
- TIN ORGANIC COMPOUNDS** see Organotin compounds
- TIN PLATING**
Effect of organic additives on the structure of tin in
electrolytic tin plating, G. A. Lefortov, N. S. Golikov
Zashch. met 3 no 3 314-316 '67
- TIRE INDUSTRY—EQUIPMENT AND SUPPLIES** see sub-
division under Dnepropetrovsk
- TIRE INDUSTRY—LABOR PRODUCTIVITY**
Amount of labor expended in processing the cord in tire
plants, R. I. Volnukhin, Kauch. tekhn. 26 no 5 44-45
'67
- TIRS, RUBBER**
Effect of the design parameters on the shock-absorbing
capacity, gripping properties, and noise production of
car tires, B. I. Utkovski, V. A. Astasov, A. V. Ivanitsky
Kauch. tekhn. 26 no 5 36-40 '67
- TIRS, RUBBER—RETRADING AND RECAPING**
see subdivision under Chikmink
- TIRS, RUBBER—TESTING**
Equipment and apparatus for studying the performance
of the tread of the car tire in contact with a flat support-
ing surface, V. I. Novopolt'skii, O. B. Tret'yakov, Kauch.
tekhn. 26 no 5 41-44 '67
- TISSUE CULTURE**
Cultivation of lymphatic nodes of guinea pigs in organic
cultures on a medium with homologous serum, E. A.
Iulina, I. E. Planchenko, Bul. eksp. biol. i med. 63
no 6 81-84 '67
- Effect of the type of the relationship between the anti-
microbial preparation and the functional groups of the
cellulose macromolecule on the antimicrobial proper-
ties of tissue, A. D. Vinik and others, Zhur. mikrobiol.
epid. i immun. 44 no 5 110-112 '67
- Obtaining of antibodies to antigens of kidney tissue,
N. G. Andreeva, Zhur. mikrobiol., epid. i immun. 44
no 6 119-123 '67
- Study of the leukemogenic activity of mononuclear tissue
cultures infected with material from human leukemic
tissues, V. M. Berezovskii, V. V. Demet'eva, B. E. Chechuk,
Probl. gemat. i onkol. 11 no 5 32-37 '67
- Transformation of tissues in hamsters under the effect
of monkey virus 40 as a result of prolonged cultivation
in vitro, G. I. Avgustinovich, M. I. A. Chumakova, V. I. A.
Kamysheva, Bul. eksp. biol. i med. 63 no 6 118-122
'67
- TISSUE EXTRACTS**
Chemical nature of growth promoting factor of tissue
extracts, G. D. Tumanishvili, N. A. Gusanidze, Soob.
AN Gruz. SSR 16 no 2 49-50 '67
- Effect of frozen organs on the activity of tissue biostimu-
lators, A. M. Silkov, Trudy Nauch.-issl. inst. sel'khoz.
Krain. Sev. 13:187-190 '66
- Effect of tissue biostimulators in the experimental macro-
bacteriostasis of reindeer, A. M. Silkov, Trudy Nauch.-issl.
inst. sel'khoz. Krain. Sev. 13:11-15 '66
- Effect of tissue biostimulators on protein metabolism in
reindeer, A. M. Silkov, Trudy Nauch.-issl. inst. sel'k-
hoz. Krain. Sev. 13:17-20 '66
- Morphological changes in the organs of reindeer during
the injection of tissue preparations, K. I. Kilmontov,
Trudy Nauch.-issl. inst. sel'khoz. Krain. Sev. 13:183-
188 '66
- Recording press centrifuge for fractional extraction of
water and water-soluble substances from plant and ani-
mal tissues, G. V. Lebedev, Fiziol. rast. 14 no 3 555-
558 '67
- TISSUE METABOLISM**
Intensity of tissue respiration in experimental animals
during the process of infection and clearance of bacteria
from the body, V. I. Nikiforov, Pat. izob. i izk. (zap.)
11 no 1 77-78 Ja-F '67
- TISSUES**
Protective properties of organ tissues and blood serum in
vaccinated animals, L. E. Khazanova, Trudy Mosk.
nauch.-issl. inst. vak. i svy. 17:27-37 '61
- TISSUES—BLOOD SUPPLY**
Oxygen exchange and blood supply in tumors and normal
tissues, I. U. I. Rampan, Vest AMN SSSR 22 no 5 81-
87 '67
- TISSUES—PRESERVATION**
Preservation and transplantation of tissues, A. I.
Isaev, T. G. Ruzdzh, Azerb. med. zhur. 44 no 3
16-21 '67
- TITANIUM**
Effect of admixtures of calcium, sodium, and potassium
chlorides on the process of vacuum separation of
magnesium thermal mass, B. N. Fushin and others
40 no 3 501-505 '67
- Effect of titanium on the phase composition and deform-
ability of high-carbon steels, R. V. Gichennikov and
others, Atom. energ. 22 no 5 364-369 '67
- TITANIUM—ELECTROMETALLURGY**
Effect of certain factors on electrocrystallization of
titanium from fused salts, N. I. Anufieva, Izv. AN
SSSR, Met. no 81-87 '67
- TITANIUM—FATIGUE**
Reliability of determining the fatigue limit of titanium
as dependent on the extent of the testing base, G. S.
Remkurg, Zav. lab. 33 no 3 352-354 '67
- TITANIUM ALLOYS**
Study on the effect of chemical treatment of titanium-
alloy tubes on their mechanical properties, N. G.
Bogoslavskii, I. S. Stefanuk, N. V. Machan'kov
Fiz.-khim. mekhan. 3 no 2 189-192 '67
- TITANIUM ALLOYS—ELECTROMETALLURGY**
Electrolytic refining of titanium alloys, V. T. Mustenkov,
V. M. Orlov, Izv. AN SSSR, Met. no 83-87 '67
- TITANIUM ALLOYS—FRACTURE**
Sensitivity to cracks in VT14 and VT16 titanium alloys,
A. I. Khorev and others, TSvet, met. 40 no 4 87-89
'67
- TITANIUM ALLOYS—METALLOGRAPHY**
Ternary systems Ti - Zr - C and Ti - Hf - C, I. U. V.
Voroshilov and others, Porosh. met. 7 no 5 81-84
'67
- TITANIUM ALLOYS—TESTING**
Structure and properties of the AT6 alloy during testings
under stress, T. S. Chernova, T. V. Mogutova, TSvet.
met. 40 no 5 88-89 '67
- TITANIUM ALLOYS—WELDING**
Pulsation argon-arc welding of small thickness titanium
alloys, F. E. Tret'yakov, I. A. Vaks, K. A. Prokhorova
Svay. proizv. no 3 30-31 '67
- TITANIUM-ALUMINUM-CHROMIUM ALLOYS—
ELASTIC PROPERTIES**
Elastic constants in alloys of the system Ti - Al - Cr -
Fe - Si, N. G. Boriskina, K. P. Miasnikova, S. G. Fedo-
tov, Izv. AN SSSR, Met. no 205-210 '67
- TITANIUM COMPOUNDS**
Reaction of reversible disproportionation and reesterifica-
tion in the series of monocyclopentadienyl derivatives of
titanium, I. N. Nesmeranov and others, Izv. AN SSSR,
Ser. khim. no 4 808-814 '67
- TITANIUM INDUSTRY—BY-PRODUCTS**
Making overall use of copper-vanadium cake from titani-
um production, Kh. A. Kurumchitov, A. P. Latsenko,
TSvet, met. 40 no 1 72-74 '67
- TITANIUM ORGANIC COMPOUNDS** see Organotitanium
compounds
- TITANIUM OXIDES**
Effect of the surface condition and volume of TiO₂ on the
dissociation adsorption of N₂O, Z. Dzhevetski, Kunt.
kat. 8 no 2 415-420 '67
- Study of the stability of water suspensions of titanium
dioxide, L. A. Shein, A. V. Iudin, Izv. v. s. ucheb. zav.
tekhn. leg. prom. no 2 37-44 '67
- TITANIUM PLATING**
Conditions of electrodeposition of titanium film in fused
chloride, Part 3. Diffusion difficulties in a chloride
melt as hindering factor in the electrodeposition of
titanium film, V. P. Elutin, B. S. Lysov, I. A. Andreev,
Fiziko-khim. 3 no 5 549-551 '67
- TITANIUM-VANADIUM-CHROMIUM ALLOYS**
Phase equilibria in alloys of the system titanium -
vanadium - chromium, N. N. Samsonova, P. B. Budberg,
Izv. AN SSSR, Neorg. mat. 3 no 5 817-823 '67
- TITANYL CHLORIDE**
Structure of precipitates of titanium oxychloride formed
in partial hydrolysis of titanium tetrachloride, I. A.
Zavatskaya, M. N. Podgaiskaya, S. T. Prokhorov
Zhu. prikl. khim. 40 no 3 662-665 '67
- TITRATION**
Differential titration of mixtures of inorganic and organic
bases in nonaqueous solutions, A. P. Kreshkov, N. Sh.
Aidarova, Trudy BKNII no 20 239-244 '66
- TOBACCO**
(see also subdivision under Ungeny District)
Characteristics of traumatism among tobacco growers
in Shymadinskii District of the Armenian S.S.R.
I. Kh. Zargarian, Zhur. eksp. i klin. med. 7 no 1 45-
47 '67
- Studying the conditions of the hydrolysis of tobacco stem
cellulose in diluted sulfuric acid, M. I. Goriainov and
others, Vest AN Kazakh SSR 23 no 4 51-56 '67
- TOBACCO—IRRIGATION** see subdivision under
Kazakhstan
- TOBACCO BLUE MOLD**
Dithiocarbamates against Peronospora infection of
tobacco, N. M. Gofykhin and others, Khim. v sel'khoz.
5 no 6 27-30 '67
- TOCOPHEROL—PHYSIOLOGICAL EFFECT**
Effect of vitamin E on phagocytosis, I. M. Kishko, O. P.
Kushnirova, Zhur. mikrobiol., epid. i immun. 44
no 5 63-64 '67
- TOISTOI, IL'IA IL'ICH, 1890-**
I. I. Tolstoi's birthday, V. P. Gudkov, Vest Mosk. un.
Ser. 10 Filol. no 3 88-89 '67
- TOISTOI, LEV NIKOLAEVICH, 1828-1910**
L. N. Tolstoi about I. U. M. Lermantov, A. L. Rubanovich
Trudy Irl. un. 33 3-10 '64
- TOLUENE**
Development of a method for continuous an-
thracene with acetylene, V. G. Fel'dman and others, Khim.
i tekhn. topol. i masel. 12 no 5 19-21 '67
- TOLUIC ACID**
Liquid-phase oxidation of m-xylene and methyl ester of
m-toluic acid, V. N. Alekseyev and others, Khim.
prom. 12 no 11 11-18 '66
- Preparation of m-cresol by oxidative decarboxylation of
o-toluic acid, G. D. Khairampovich, N. L. Diachenko
Neftekhim. 7 no 2 27-279 '67
- TOL'YATTI (KUYBYSHEV PROVINCE)—AUTOMOBILE
INDUSTRY**
Registered at the Zhiguli Mountains, I. U. Petrov, Mol.
komm. no 5 76-80 '67
- TOM' VALLEY—RUSSIAN LANGUAGE—DIALECTS**
E. P. Molchanova's article "Agricultural vocabulary in the
dialect of the old residents along the Tom' River,"
O. I. Binnova and others, Uch. zap. TGU no 40 105-109
'62
- Ferminology of toiling and floating in the dialects of the
villages along the Tom' River, O. I. Binnova, Uch. zap.
TGU no 10 60-61 '62
- TOMATO PRODUCTS—TRANSPORTATION**
Automotive transportation of tomato puree, N. Gaidar
Avi. transp. 45 no 5 27-28 '67
- TOMATOES**
Gushchenko, E. I. A., and A. I. Strekalova, [Tomatoes]
Tomaty, Leningrad, Kolos, 1966, 90 p. (Biblioteka
ovoshevedov) (DNAL)
- TOMATOES—ANALYSIS**
Biochemistry of tomatoes, Kh. B. Shifrina and others,
Biokhim. kul't. rast. no 3 3-60 '63
- TOMATOES—DISEASES AND PESTS**
Activity of some fungicides in relation to the Phytophthora
infection of tomatoes, E. F. Ganan, V. V. Izubenko,
Khim. v sel'khoz. 5 no 5 27-31 '67
- TOMBS** see subdivision under Daghestan
- TOMSK PROVINCE—RUSSIAN LANGUAGE—DIALECTS**
Everyday vocabulary in the dialects of the old-resident
districts of Tomsk Province situated along the Ob' River
and its tributaries, F. P. Ivanova, Uch. zap. TGU no. 40
47-50 '62
- The teaching of the Russian language under conditions of
the old-resident dialects of Tomsk Province, I. A.
Vorob'eva, V. V. Palagina, Uch. zap. TGU no 40 3-46
'62
- TOMSK PROVINCE—SOCIALIST COMPETITION**
State farm is the winner in a competition, B. Filatov,
Ekon. sel'khoz. 42 no 5 20-21 '67
- TOMSKII, NIKOLAI VASIL'EVICH, 1900-**
Bafum, P. K., Nikolai Vasil'evich, Tomskii, Leningrad,
Khudozhnik RSFSR, 1967, 48 p. (Narodnaya biblio-
teka po iskusstvu)
- TONGUE—SURGERY**
Neurinomas of the tongue, B. A. Rudavskii, L. A. Kharin
Vest AMN SSSR 22 no 5 69-75 '67
- TONGUE—TUMORS**
Neurinomas of the tongue, B. A. Rudavskii, L. A. Kharin
Vest AMN SSSR 22 no 5 69-75 '67

TRADE UNIONS see *Trade Unions*

TRADE UNIONS—INDUSTRIAL DISASTERS
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE UNIONS—TRAINING
 Training of employees in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE UNIONS—TRANSPORT SERVICES
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE UNIONS—WHITE FLIES
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE UNIONS
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE UNIONS—CONGRESSES
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE UNIONS—OFFICIALS AND EMPLOYEES
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRADE WINDS see subdivision under *Atlantic Ocean*

TRADEMARKS
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRAFFIC ACCIDENTS
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRAFFIC SAFETY
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRAFFIC SURVEYS
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRAINING OF EMPLOYEES see *Employees, Training of*

TRAINING OF TEACHERS see *Teachers, Training of*

TRANQUILIZING DRUGS
 Influence of the combination of promedol and tranquilizers on the analgesic effect of local anesthetic. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANS-BALATAU—ASTRONOMICAL OBSERVATORIES
 Investigation of the causes of industrial accidents in the Transbaikal region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSAMINASES
 Activity of aspartate and aspartate aminotransferases in the culture of fibroblasts during the growing process of infection with vaccine virus. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSAMINASES
 Effect of hydrocortisone and insulin on the synthesis of aspartate and aspartate- α -ketoglutarate transaminases in the liver in rats. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ANTIBIOTICS
 Antibiotics of lead and silver of the oxyhealte group of deposits in eastern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—CITIES AND TOWNS
 Economic geographical classification of the municipal settlements of Transcarpathia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—COAL—ANALYSIS
 Distribution of germanium and gallium in one of the coal types of Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—EARTH TEMPERATURE
 Some results of studying spherulite composition as a "geothermometer". *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—EARTH TEMPERATURE
 Thermal conditions of the upper portion of the earth's crust in southeastern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GALENA
 Cretaceous containing bismuth and silver of the Dzhdza ore zone (western Transbaikalia). *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GEOLOGICAL RESEARCH
 Basic problems of geological study in the Buryat A.S.S.R. and adjacent areas of Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GEOLOGY
 Features of the geology of the Mesozoic Kizhinga-Kudun Depression (western Transbaikalia). *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GEOLOGY
 Some geological data on geology of Zaza and Kondá interfluvies (western Transbaikalia). *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GEOLOGY, STRATIGRAPHIC
 Stratigraphy of Mesozoic volcanic sedimentary formations in southern part of western Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GEOLOGY, STRUCTURAL
 Analysis of tectonic faults and fracturing as revealed by a study made in the Dzhdza ore region. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GEOLOGY, STRUCTURAL
 Geology of Mesozoic volcanic formations of southwestern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GRANITE
 Characteristic features of the massifs of rare metal granite intrusions in the northern part of central Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GRANITE
 Gneiss and greisenized granites in southwestern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—GREISEN
 Gneiss and greisenized granites in southwestern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—JERBOAS
 Biology of jumping mouse in western Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—METALS, RARE AND MINOR
 Characteristic features of the massifs of rare metal granite intrusions in the northern part of central Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—MOLYBDENUM ORES
 Some features of the behavior of iron in the formation of a molybdenum deposit. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—OXYHEALTE
 Sulfonamides of lead and silver of the oxyhealte group of deposits in eastern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—RIVERS
 Reconstruction of the drainage network in central Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ROCKS, IGNEOUS
 Conditions governing the formation of small intrusions as revealed by a study made in western Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ROCKS, IGNEOUS
 Correlation of igneous rocks according to their ferrous nature, as revealed by a study made in eastern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ROCKS, IGNEOUS
 Early Mesozoic intrusive complex in the southern part of western Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ROCKS, IGNEOUS
 Geology of Mesozoic volcanic formations of southwestern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ROCKS, IGNEOUS
 Some characteristics of the development of Mesozoic effusive volcanism in western Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—ROCKS, IGNEOUS—ANALYSIS
 Some petrochemical characteristics of Late Mesozoic igneous rock associations of southwestern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—SPHALERITE
 Overall study of sphalerite in different stages of mineralization based on material from Dzhdza deposit. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—WATER, UNDERGROUND
 Water-bearing capacity of fractures on the boundary between central and eastern Transbaikalia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSBAIKALIA—WATER SUPPLY, INDUSTRIAL
 Utilizing the rivers of eastern Transbaikalia for the purposes of industrial water supply. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCARPATIA—PALEOBOTANY
 Vegetation of the Neogene flora in the Transcarpathian Ukraine. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—ALPINE FLORA
 Comparison of the flora of the mountains of Caucasus and Western Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—COMMUNICABLE DISEASES IN ANIMALS
 Some characteristics of epizootology of plague in Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—DESCRIPTION AND TRAVEL
 Along the Caspian Sea and in Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—GAS, NATURAL—PIPELINES
 Preventing the corrosion of the main Baku-Tiflis gas pipeline. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—PETROCHEMICAL INDUSTRY
 Rate and scale of the development of the petrochemical industry of Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—PLAGUE
 Some characteristics of epizootology of plague in Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—RUSSIAN NEWSPAPERS
 "Sotsial-demokrat" and "Rabochaya gazeta" in Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—SWORDS, VANNIC
 Vannic swords from Transcaucasia. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCAUCASIA—TECHNOLOGY
 Contribution of scientists to science and industry. *Izv. Zabaik. old. Geog. ob-va SSSR* 1 no. 3:68-76 '65.

TRANSCENDENTAL EQUATIONS see Equations, Transcendental

TRANSCENDENTAL FUNCTIONS see Functions, Transcendental

TRANSDUCERS

Contact pulse transmitter of amount and direction of sliding. A. A. Gukov, V. F. Antipov, Peor i priak no 7 134-138 '63.

Contactless photoelectric transducer registering carbon content in solid fuel in the flow of change on a sintering conveyor. A. M. Melnikhenko, G. A. Potanitskii Mekh i avtom upr no 2 35-37 Mi-Ap '67.

Contactless reversible angle-to-code converter. V. I. A. Solov'ev, G. M. Frenkel' Mekh i avtom upr no 2 38-39 Mi-Ap '67.

Determining the number of transducers of automatic centralized information measuring systems. R. A. Dikronov, Izv. AN UZ SSR Ser tekhn. nauk II no. 3 15-18 '67.

Electric threshold element using a transfluxor. Ch. I. A. Gukov, M. B. Gendler, V. A. Semenchenko, Avtom. i tekh. no 5 166-170 My '67.

Measurement of the volume change of a mine using a contactless photoelectric transducer. V. M. Kos, IU I Sibirskii Konti. i izm tekhn. no 3 110-113 '66.

Measures of the degree of compression. V. N. Glimonov, Vest. protivovozd. obor. no 1 67-70 Ja '67.

Selecting optimum relations in the transformer-type transducers of minor linear displacements. L. T. K. Lukovskii, F. M. Shklov, N. E. Konukhov Izv. vys. uch. zav. prib. no 4 29-31 '67.

Temperature transducer with frequency output. V. A. Golenbo, Konti. i izm tekhn. no 3 80-82 '66.

Use of an impedance transformation method in the measurement of nonelectric quantities by capacitance transducers. B. I. Litvinets, I. I. Tspalv Konti. i izm tekhn. no 3 83-87 '66.

TRANSFORMATIONS (MATHEMATICS)

A complex Tauberian theorem for Stieltjes transformations. I. I. An, Dokl. AN Tadzh SSR 10 no 4 7-9 '67.

Finite transformations of finite-dimensional Lorentz group representations. F. P. Tkharov, F. I. Fedotov, Izd. fiz. 5 no 5 112-115 My '67.

Matrix elements of a Lorentz transformation for unitary representation. Dong Voig Duc, Nguyen Van Hieu Dokl. AN SSSR 173 no 6 1281-1283 Ap '67.

Shchegolevskii, A. A., and E. L. Surkov. [Integral transformations related to the Klein-Gordon equation] Ob integral'nykh preobrazovaniakh, svyazannykh s uravneniem Klein-Gordona. [Dubna, 1967] 10 p.

TRANSIENTS (DYNAMICS)

In situ studies of transient processes in the mechanisms of oil cranes. N. I. Efosev, N. F. Zubko Mor. flot. 21 no 2 138-146 '66.

TRANSIENTS (DYNAMICS)—MATHEMATICAL MODELS

Mathematical modeling of transient air-gas dynamic processes in mining areas. I. A. Abramov and others Izv. vys. uch. zav. prib. no 10 3 57-60 '67.

TRANSISTOR AMPLIFIERS

Limiting of signals in tunnel diode microwave amplifiers. IU, G. Bal'kov, N. Z. Shvarts, V. S. Etkin, Radiotekh. i elektron. 12 no 6 1113-1115 Je '67.

Regulation of gain by changing the mode of operation of transistors. V. I. Ryntrik, I. N. Migulina, Radiotekhnika 22 no 5 54-60 My '67.

Your first transistor radio. Low-frequency amplifiers. E. Bornevolokov Radio no. 5 53-55 My '67.

TRANSISTOR CIRCUITS

Effect of a strong interfering signal on the transmission factor of a transistorized frequency converter. M. E. Muzhikovich, Elektronizatsiya 21 no 5 77-80 My '67.

Parallel connection of high-power transistors. I. A. Lomon, Izv. vys. uch. zav. prib. no 10 4 40-48 '67.

Replacement of electron tubes with transistors. S. Solov'nikov, Radio no. 5 43-45 My '67.

Solid-state diode circuits. P. N. Maslovskii, A. P. Belenok Mekh i avtom upr no 2 46-47 Mi-Ap '67.

Stepanenko, I. P. [Fundamentals of transistor theory and transistor circuits] Osnovy teorii tranzistorov i tranzistornykh skhem. Izd. 2., perer. i dop. Moskva, Energiia, 1967. 614 p.

Zero component of a digital converter using silicon transistors (potential to time interval converter). N. I. Shchedlov, Prib. i sist. avtom. no. 2 77-82 '66.

TRANSISTOR CIRCUITS—MAINTENANCE AND REPAIR

Repairing transistor circuits. S. I. Braudo Vest. protivovozd. obor. no 12 52-54 D '66.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

Portable superheterodyne. S. Dal', Radio no. 5 33-36 My '67.

Radio receiver in a notebook. E. Evlakhov, S. Enin, Radio no. 5 26-27 My '67.

TRANSISTORS

Analysis of switching conditions of a thyristor under actively capacitive and active loadings. I. M. Prints Izv. vys. uch. zav. prib. no 10 4 3-8 '67.

Diode-transistor majority element for three inputs. IU A. Chelnyshin, L. E. Slavitskii Izv. vys. uch. zav. prib. no 10 4 80-81 '67.

Effect of microwave losses on the frequency characteristics of diodes with nonlinear capacitance. A. S. Berlin, V. M. Davydov, N. V. Fioletov, Radiotekh. i elektron. 12 no 6 1110-1113 Je '67.

Optimal control of the drawing of single-crystals from a melt. N. N. Golub, Izv. AN SSSR, Tekh. kib. no. 1, 174-178 Ja-F '67.

Properties and applications of thyristors. P. S. Bogulavskii, Elektr. otekhnika 38 no 5 60-62 My '67.

Shibaev, N. A. [Electron tubes and semiconductor devices] Elektr. ovnaukumye i poluprovodnikovye pribory. Moskva, Voenizdat, 1967. 423 p.

Stepanenko, I. P. [Fundamentals of transistor theory and transistor circuits] Osnovy teorii tranzistorov i tranzistornykh skhem. Izd. 2., perer. i dop. Moskva, Energiia, 1967. 614 p.

Stukov, V. I., and others. [Thyristors in electrical systems] Tristori v yelektrouslanovakh. Kiev, Tekhnika, 1967. 98 p. (Biblioteka po avtomatike)

Tashchilov, V. V. [Semiconductor switching devices] Poluprovodnikovye pereklyuchalschie pribory. Moskva, Energiia, 1967. 70 p. (Massovaya radiobiblioteka, no. 620)

Thyristors and the scope of their use on ships. E. Viazovskiy, Mor. flot. 27 no 5 28-29 My '67.

Thyristors with regulated avalanche formation in forward and backward directions. I. V. Gukov and others, Radiotekh. i elektron. 12 no 6 1118-1119 Je '67.

Transistors. A. A. Lebedev, Elektr. i topl. taga II no. 5 36-37 My '67.

TRANSITION METAL COMPOUNDS

[Complex compounds of some transition and rare elements] Kompleksnye soedineniya nekotorykh perekhodnykh i redkikh elementov. Tbilisi, Metsnereba, 1968. 113 p.

Stereoisomerism of the alkenes of π -crotyl complexes in polymerization depending on the degree of oxidation of the transition metal. I. A. Oreshkin and others Dokl. AN SSSR 173 no 6 1340-1350 Ap '67.

TRANSLATING AND INTERPRETING

Experience in translating. E. F. Molina, Uch. zap. FGU no. 10 99-104 '62.

TRANSONIC AERODYNAMICS see Aerodynamics, Transonic

TRANSPLANTATION OF ORGANS, TISSUES, ETC.

Preservation and transplantation of tissues. A. A. Ismailov, T. G. Rudnitskiy, Azeb. med. zhur. 44 no 3: 10-21 Mi '67.

TRANSPORT THEORY

Transport theory in NiO and Fe_2O_3 -type semiconductor. L. P. Ginzburg, Izv. vys. uch. zav. prib. no. 4 66-74 '67.

TRANSPORTATION

(see also subdivision under Europe, Eastern, Siberia, Western; Ukraine)

Use of tractors in transportation. A. P. Zhilin, Trudy TSNIIMESKII 3 175-184 '64.

TRANSPORTATION—ABSTRACTS

[Industrial transportation] Ref. zhur. : Prom. transp. nos. 5-6 My-Je '67.

TRANSPORTATION—EXHIBITIONS

The great national feat. V. Letunov, Mor. flot. 27 no 4: 6-7 Ap '67.

TRANSPORTATION—STUDY AND TEACHING

A uniform curriculum is needed for a new course in the theory of transport. M. F. Smirnov, Vest. vys. shkoly 25 no 5 43-48 My '67.

TRANSPORTATION, AUTOMOTIVE

The fifth plenum of the Central Committee of Trade Unions. V. A. Shifilov, Avi. dor. 30 no 4 31-32 Mr '67.

Five-day working week in automotive transportation. Avi. transp. 45 no 5 4-5 My '67.

Information. Avi. transp. 45 no 5 58-60 My '67.

Organizational and technical measures for effective utilization of potentialities. Avi. transp. 45 no 5 1-3 My '67.

Selecting efficient organizational forms for mass transportation of small consignments. A. I. Vorkul, Nauk. i tekhn. v gor. khoz. no. 5 71-79 '66.

Solution of multidimensional transportation problems of linear programming. B. I. Klimets, Avi. transp. [Kiev] no 3 14-20 '66.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] Ref. zhur. : Avt. i gor. transp. no. 6 Je '67.

TRANSPORTATION, AUTOMOTIVE—FINANCE

Norms for the formation of funds in automotive transportation enterprises. M. Bash, Avi. transp. 45 no 5 26-27 My '67.

Polchannov, P. V., and G. E. Safrai. [Financial operations of an automotive transportation enterprise] Finansovaya delatelnost' avtotransportnogo predpriyatiya Moskva, Transport, 1967. 173 p.

TRANSPORTATION, AUTOMOTIVE—FREIGHT

Instruction should be amended. A. Averbukh, Avi. transp. 45 no 5 53-54 My '67.

TRANSPORTATION, AUTOMOTIVE—INFORMATION SERVICES

Center for the promotion of technical and economic knowledge. V. Slobodchikov, Avi. transp. 15 no 5 6-8 My '67.

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT (see also subdivision under Titles)

Aleksandrov, L. A. [Establishment of technical norms in automotive transportation] Tekhnicheskoe normirovaniye na avtomobil'nom transporte. Moskva, Transport, 1967. 231 p.

At the Board of the Ministry. Avi. transp. 45 no 5 29 My '67.

Planning the operations of automotive transportation under new conditions. V. Karpunenkov, Avi. transp. 45 no 5 14-15 My '67.

Scientific organization of labor in on the agenda. Avi. transp. 45 no 5 12-13 My '67.

TRANSPORTATION, AUTOMOTIVE—RATES

New unified rates for freight haulage by automotive transportation. M. Pavlovich, Avi. transp. 45 no 5 10-22 My '67.

TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS (see subdivision under Uzbekistan)

TRANSPORTATION, MILITARY

(see also subdivision under Ural Mountain region)

Direct mixed shipments. V. Popov, Tyi. i snab. Sov. Voor. Sil. 27 no 5 70-73 My '67.

Increased demands on the work of officers in military transport service units. L. Sukholin, D. Kashluti, Tyi. i snab. Sov. Voor. Sil. 27 no 12 67-70 D '66.

Loading echelons with heavy equipment of small stations. K. Davydov, Tyi. i snab. Sov. Voor. Sil. 27 no 1 75-77 Ja '67.

Notes and letters. I. Busalov and others, Tyi. i snab. Sov. Voor. Sil. 27 no 11 85-88 N '66.

TRANSPORTATION, MILITARY—COLD WEATHER CONDITIONS

Distant trips. V. Klebanov, E. Lokhanov, Tyi. i snab. Sov. Voor. Sil. 27 no 3 68-72 Ja '67.

TRANSPORTATION, MILITARY—LAWS AND REGULATIONS

Investigating traffic control systems on a scientific basis. V. Korob'kin, Tyi. i snab. Sov. Voor. Sil. 27 no 1 70-71 Ja '67.

TRANSPORTATION, MILITARY—SCHEDULING

Network schedule graphs and military transportation. A. Filukov, V. Vorob'ev, S. Tokman, Tyi. i snab. Sov. Voor. Sil. 27 no 12 74-76 D '66.

Network schedule planning of echelon loading. A. Filukov, V. Vorob'ev, S. Tokman, Tyi. i snab. Sov. Voor. Sil. 27 no 11 73-76 N '66.

TRANSURANUM ELEMENTS

Cross sections and angular anisotropy of fragments in the case of fission of some plutonium, americium, and curium isotopes by fast neutrons. E. F. Fomushkin and others, Izd. fiz. 5 no 5 966-970 My '67.

Flerov, G. N., and others. [On the properties of the isotope $^{102}\text{258}$] O svoystvakh izotopa $^{102}\text{258}$. [Dubna, 1967] 7 p.

TRAUMATISM

Brief review of the research of Soviet pathophysiologists on the problem of traumatic shock during 50 years. I. R. Petrov, Pat. fiziol. i ekspt. terap. 11 no 1 3-11 Ja-F '67.

Open-pit mine illumination and traumatism. A. A. Shalodov, Zap. LGI 50 no 1 102-110 '65.

TRAVERSE, BRUNO

Solution of a secret. F. Davydov, V. mire knig 7 no 2: 44-45 '67.

TRAVERSES (SURVEYING)

New type of wall traverse points. V. D. Shipulin, Inzh. geod. no. 1 80-85 '65.

2498

TUNGSTEN—METALLURGY

Treatment of scheelite concentrates by nitric acid in stirred ball mills. G. A. McCrosson, V. G. Mikhailova. Izv. Akad. Nauk SSSR, no. 4, 69-72 Apr '67.

TUNGSTEN—WELDING

Soldering molybdenum and tungsten with tin-base filler metal. V. V. Gukhova, B. M. Nestov, A. A. Sharov. Sverdlovsk. no. 3, 10-23 Mar '67.

TUNGSTEN ALLOYS

Pressing sheets and foil from tungsten alloys. N. I. Kozlov and others. Eksp. tekhn. ekon. inform. Gos. nauch.-issl. inst. Nauch. i tekhn. inform. 20 no. 5, 8-9 Apr '67.

TUNGSTEN BORIDES

Crystalline diagram of the system tungsten - boron. V. I. Pavlov and others. Porosh. mat. 7 no. 5, 73-80 May '67.

TUNGSTEN CARBIDES

Reduction of tungsten carbide in a flow of low-temperature plasma. S. A. Panfilov, I. V. Tsvetkov, D. M. Chirnikov. Izv. AN SSSR, Met. no. 3, 66-72 May '67.

TUNGSTEN-NICKEL-IRON ALLOYS—METALLOGRAPHY

Effect of recrystallization in tungsten-nickel-iron alloys. R. I. L. J. L. N. Bryantsevich, O. K. Fedorovich, L. G. Puzhenova. Porosh. mat. 7 no. 5, 68-71 '67.

TUNGSTEN OXIDES

Interaction of tungsten and some data on the interaction in the system W_2O_5 - WO_3 . I. P. Kiselev, B. P. Lopatin. Izv. AN SSSR, Neorg. mat. 3 no. 5, 803 May '67.

TUNGSTEN OXIDES—THERMODYNAMICS

Thermodynamic properties of WO_3 at elevated temperatures. T. V. Bezukhina, I. G. Golovanova. Izv. AN SSSR, Neorg. mat. 3 no. 5, 807-810 May '67.

TUNGUSKA, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNGUSKA METEORITE

Laboratory of incentive prizes of the All-Union Astronomical and Geometrical Society. I. T. Zolkin, M. M. Shemil'ov. Zem. i vod. 2 no. 6, 69-72 N-D '66.

Photomicrographical characterization of the forest in the region of the fall of the Tunguska meteorite. V. I. Nokinov, I. M. Tsvetkov. Meteoritika no. 27, 128-133 '66.

Some data on the pulverized substance from the area of the fall of the Tunguska meteorite. O. A. Kirva, N. I. Zaslavskaya. Meteoritika no. 27, 119-127 '66.

Tunguska meteorite's path and orbit. I. T. Zolkin, M. M. Shemil'ov. Meteoritika no. 27, 109-111 '66.

TUNISIA—ARCHAEOLOGY

An archaeological trip to Tunisia. G. A. Fedorov-Davydov. Sverdlovsk. no. 2, 202-209 '67.

TUNNEL DIODES

Characteristics of a tunnel diode in a wave guide. G. P. Malin. Elektron. 10 no. 6, 62-63 Je '67.

Injection of signals in tunnel diode microwave amplifiers. I. G. Brikov, N. Z. Shvarts, V. S. Elkin. Radiotekhn. i elektron. 12 no. 6, 1113-1115 Je '67.

Voltage code number system in tunnel diodes. T. G. Zolotarev, I. A. Kinkhgin. Trudy Tbil. GU no. 103, 193-198 '65.

Theory of performance of a generator of sinusoidal oscillations operating on a tunnel diode. T. G. Zhgenti. Trudy Tbil. GU no. 103, 199-202 '65.

TURAN PLATEAU—GEOLOGY, STRUCTURAL

Tectonics of joint zone of Turan Platform and epiplatform in the region of southwestern part of Gissar Range. B. F. Alsherg, G. I. Amurski. Trudy VNIGI no. 49, 127-133 '66.

TURBINES

Concerning the APT-12-1BMZ Turbines to a weakened vacuum. B. Tikhonov. Nauch. inform. Kazakh. no. 5, 88 May '67.

TURBINES—CLEANING

Resistant stressors in shot-jet cleaning of turbine blades. V. P. Tekht, S. N. Kupershtok. Energomashinostroenie 13 no. 5, 34-35 May '67.

TURBODRILLS

Preoperative evaluation of using spindle sectional turbodrills. G. M. Nikitin, I. L. Rudiyakh, V. G. Dzhalalova. Ekon. i tekhn. inform. no. 2, 13-15 '67.

TURBODRILLS—DESIGN AND CONSTRUCTION

Evaluating the relative efficiency of a two-series turbodrill. T. A. Kikina. Soob. AN Gruz. SSR 46 no. 2, 403-306 May '67.

TURBOGENERATORS

Adjustment and operation of the cooling system of mercury arc exciters of the TGV-200 turbogenerator. V. I. Nemovskiy, S. T. Melnik. Elektr. sta. 38 no. 5, 19-21 May '67.

TURBOMACHINES

Device for dynamic calibration of devices for measuring nonsteady pressure in lattices of turbomachines. A. S. Iaskin, F. A. Stolanov. Energomashinostroenie 13 no. 5, 43 May '67.

Resistance of turbomachine diffuser exhaust pipes during change in bushing relationship. M. P. Umanskiy, V. N. Amelushkin. Energomashinostroenie 13 no. 1, 41-43 Ja '67.

Stressed state and strength of semipen wheels of radial-flow turbomachines. I. A. M. Gusev. Energomashinostroenie 13 no. 5, 18-20 May '67.

TURBOMACHINES—AERODYNAMICS

Zhukovskiy, M. I. [Aerodynamic calculation of the flow in axial-flow turbomachines] Aerodinamicheskiy raschet potoka v osyevykh turbomashinakh. Leningrad, Mashinostroenie, 1967. 280 p.

TURBULENCE

Effect on the density gradient on the characteristics of turbulence in the active layer of a river. A. A. Spas'yan. Vest. Mosk. un. Ser. fiz. astron. 22 no. 3, 18-17 May-Je '67.

Experimental study of the development of turbulence in structurally viscous fluids. V. B. Lembitskiy, E. M. Khakhapishvili. Inzh.-fiz. zhur. 12 no. 4, 440-443 Apr '67.

TURKEY GATES—HOOKS, IGNEOUS

Alkali intrusions of the Mogodzhir Hills and the Turgay Depression. O. K. Krenofontov. Uch. zap. Ped. inst. Geol. 290, 140-160 '66.

TURGEN' VALLEY—SPRUCE

Types of spruce forest sites in the basin of the Turgun' River. B. S. Rodionov. Vest. sel'khoz. muki [Kazakh] 10 no. 2, 80-81 F '67.

TURGENEV, IVAN SENGEDEVICH, 1818-1883

[Literary legacy] Literaturnoe nasledstvo. Red. D. D. Blagol. 1. Moskva, Nauka, Vol. 76. [I. S. Turgenev, new materials and researches] I. S. Turgenev, novye materialy i issledovaniya. 1967. 701 p.

The village in the lyrics of Turgenev. T. A. Rot. Uch. zap. MGPI no. 213, 105-127 '61.

TURKA REGION (UKRAINE)—EROSION

Soil erosion in the landforms of the Turka Upland. S. V. Trokhymchuk. Visnyk L'viv. un. Ser. geog. no. 4, 73-75 '66.

TURKESTAN—EXILES

History of the deportation of antigovernment politicians to Turkestan, the Polish deportees. L. M. Mazayeva. Sbor. rab. asp. TashGU no. 234, 193-202 '64.

TURKESTAN—HISTORY

History of the revolutionary activities of the employees of Turkestan railroads in the late 19th and early 20th centuries. G. S. Kunavina. Sbor. rab. asp. TashGU no. 251, 15-18 '64.

TURKESTAN—LIBRARIES

The development of libraries in the Turkestan A. S. S. R., 1918-1924. A. Kasymova. Sbor. rab. asp. TashGU no. 251, 139-151 '61.

TURKESTAN—POLES

History of the deportation of antigovernment politicians to Turkestan, the Polish deportees. L. M. Mazayeva. Sbor. rab. asp. TashGU no. 251, 193-202 '64.

TURKESTAN—POLITICS AND GOVERNMENT

History of the Commissariat of Internal Affairs of the Turkestan A. S. S. R. T. A. Dzhalilov. Nauch. trudy Tash. GU no. 219. Iurid. nauki no. 10, 160-170 '63.

TURKESTAN—WOMEN—RIGHTS OF WOMEN

Problem of the emancipation of women in Turkestan. M. Alubdrjanova. Sbor. rab. asp. TashGU no. 254, 207-213 '64.

TURKEY—COMMERCE—RUSSIA

Trade agreement with Turkey has been signed. IU. Fel'chukov. Vnesh. tovg. 47 no. 4, 32-33 '67.

TURKEY—CONSTITUTION

Constitution of the Turkish Republic. E. Georgilani. Vest. Mosk. un. Ser. 12, Pravo 22 no. 3, 81-85 My-Je '67.

TURKEY—EARTHQUAKES

Destructive earthquakes in Turkey. I. V. Kirillova. Priroda no. 5, 53-56 May '67.

TURKEY—LABOR AND LABORING CLASSES

History of the Turkish workers' struggle for their rights, 1950-1960. V. Shiralov. Izv. AN Azerb. SSR, Ser. ist., filos. i prava no. 2, 44-52 '66.

TURKIC LANGUAGES see subdivision under Siberia Soviet Central Asia;

TURKIC LANGUAGES—CONGRESSES

The 11th Turkish Linguistic Congress. I. D. Ashmurov. AN SSSR Ser. lit. i ia. 26 no. 2, 143-100 Mar-Apr '67.

TURKIC LANGUAGES—STYLE

Structural and functional stylistic modifications in contemporary Turkic languages. T. A. Basakov. Izv. AN SSSR Ser. lit. i ia. 26 no. 2, 111-161 Mar-Apr '67.

TURKIC LANGUAGES—VERB

Basic differences between actual verbs and fixed verbal combinations. T. R. Haimov. Izv. AN SSSR Ser. lit. i ia. 26 no. 1, 99-71 Jan-Feb '67.

TURKMENISTAN—AGRICULTURE—LABOR PRODUCTIVITY

Using available labor supply and increasing labor productivity in collective farming. Kh. Karaev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1, 53-60 '67.

TURKMENISTAN—CERATOPOGONDAE

New data on biting mites of the genus Leptocnops in Turkmenia with the description of a new species. L. A. Molotova. Zool. zhurn. 46 no. 4, 626-628 Apr '67.

TURKMENISTAN—COTTON

Improving quality is the most important potentiality for increasing cotton growing production. A. Kulov. Nauch. dokl. vys. shkoly, Ekon. nauki 10 no. 5, 66-67 '67.

TURKMENISTAN—DESCRIPTION

An incense tree. V. Rybin. Sov. voen. 49 no. 11, 19-21 Je '67.

Under the sun of October. M. Gaporov, A. Kakhatov. Sov. voen. 49 no. 11, 16-18 Je '67.

TURKMENISTAN—DESERT FLORA

Resources of terrestrial and subterranean organic matter in desert subshrub communities. I. G. Rustamov. Bot. zhurn. 52 no. 5, 700-703 May '67.

TURKMENISTAN—ECONOMIC CONDITIONS

Youth of ancient Turkmenia. D. Karaev. Sov. profsoyuz. 23 no. 9, 10-13 May '67.

TURKMENISTAN—EDUCATION, HIGHER

Development of higher education in the Turkmen S. S. R. Ch. A. Alaev. Vest. vys. shkoly 25 no. 5, 73-77 May '67.

TURKMENISTAN—FOLDS (GEOLOGY)

Some morphologic features of folded foundation in eastern Turkmenia based on data of regional seismic studies. A. F. Stabinets. Geol. nefti i gaza 11 no. 4, 56-60 Apr '67.

TURKMENISTAN—GAS, NATURAL—GEOLOGY

Oil- and gas-bearing complexes in southeastern Turkmenia. R. E. Aizberg, A. N. Davydov. Trudy VNIGI no. 49, 195-202 '66.

Results of exploratory drilling for oil and gas, and trends in drilling operations in eastern regions of Turkmen S. S. R. V. I. A. Sokolov and others. Trudy VNIGI no. 49, 149-155 '66.

Search prospects for oil and gas and future trends in oil and gas operations in Gaurdal-Kugitang region of Turkmenia. V. I. Sedletskii. Trudy VNIGI no. 49, 161-166 '66.

TURKMENISTAN—GAS, NATURAL—TRANSPORTATION

Economic evaluation of a single-pipe gathering and transportation of petroleum and gas on the oil fields of Turkmenistan. R. S. Sametov, S. G. Trichenko. Ekon. nefteob. prom. no. 3, 28-30 '67.

TURKMENISTAN—GRAVITY PROSPECTING

Nature of gravitational anomalies and possibilities for gravity prospecting in eastern Turkmenia. V. G. Kots. Trudy VNIGI no. 49, 182-186 '66.

TURKMENISTAN—INDUSTRIES

Industrial development of the Turkmen S. S. R. during the fourth five-year plan. A. A. Annaklychev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1, 43-52 '67.

TURKMENISTAN—PETROLEUM—GRADING

Grading of petroleum constitutes potential for increasing yields and improving quality of petroleum products. S. F. Molestikov, V. S. Tolstentsev, V. G. Kolen. Nefteper. i neftekhim. 11, 11-15 '67.

TURKMENISTAN—PETROLEUM—TRANSPORTATION

Economic evaluation of a single-pipe gathering and transportation of petroleum and gas on the fields of Turkmenistan. R. S. Sametov, S. G. Trichenko. Ekon. nefteob. prom. no. 3, 28-30 '67.

TURKMENISTAN—PETROLEUM GEOLOGY

Deep geologic structure of central regions of Central Asia (eastern Turkmenistan and Kara-Kalpak A. S. S. R.). Prospects for oil and gas occurrences and trends in future work. G. Kh. Dikenshtein. Trudy VNIGI no. 49, 5-13 '66.

UKRAINE--AGRICULTURE--FINANCE

Effectiveness of agricultural intensification. O. Zadorovskiy, Eksp. Rad. Ukr. 10 no. 5:70-71 My '67

UKRAINE--AGRICULTURE--MAPS

Geographical atlas of western provinces of the Ukrainian S.S.R. M. I. Nikiforov. Geogr. zhur. 24 no. 11:60-70 My '67

UKRAINE--AGRICULTURE--TECHNOLOGICAL INNOVATIONS

Features of the new. M. Sokoilov, V. Polubinskiy, Eksp. Rad. Ukr. 10 no. 2:80-82 F '67

UKRAINE--AGROPHYLION

Occurrence of flycatcher lilioides (kar. et Kh.) Nevski in the Ukraine. H. M. Pichukin. Ukr. bot. zhur. 24 no. 3:45-46 My-Je '67

UKRAINE--ALGAE

New forms of the genus Trachelomonas. Ph. Z. L. Asad. Ukr. bot. zhur. 24 no. 3:67-68 My-Je '67

UKRAINE--ANIMATOIDS

Ecogeographic center of the Ukraine. I. M. Hantova'kyl, Vysok. shk. na S. S. S. R. no. 4:70-72 '66

UKRAINE--ANTIQUITIES

Frzydzko Karamovo culture in the northern Ukraine. S. S. Huzarskiy. Sov. etnol. no. 2:120-136 '67

UKRAINE--APPLE--DISEASES AND PESTS

Use of the biological preparation Beauveria combined with Pexachin in controlling the apple sawfly. H. Pichukin, H. A. Karaban, Zhukh. inst. [Kiev.], no. 4:24-28 '67

UKRAINE--AUDITING AND INSPECTION

On auditing work. N. Agodkin. Den. i kred. 25 no. 4:60-61 Ap '67

UKRAINE--BANKS AND BANKING

On auditing work. N. Agodkin. Den. i kred. 25 no. 4:60-61 Ap '67

UKRAINE--BIBLIOGRAPHY--BIBLIOGRAPHY

Ukraine. Knyzhkova palina. [A book about books, 1917-1963; a bibliographic index. A bibliography of bibliography. Technology, industry, transportation, and municipal services. Knyha pro knyhy, 1917-1963; bibliografichnyi pokaznyk. Bibliografiia bibliografi. Tekhnika, promyslovist', transport, komunal'no hospodars'vo. Kharkiv, Red. vydavnychyi vididi knyzhkovoi palaty USSR, 1964, 245 p. (M)]

UKRAINE--BIOLOGICAL RESEARCH

Ukrainian intercollegiate conference on the development of biological sciences in universities and teachers' colleges of the Ukrainian S.S.R. in the years of the Soviet rule. H. M. Pichukin. Ukr. bot. zhur. 24 no. 3:101-106 My-Je '67

UKRAINE--BOTANICAL RESEARCH

Scientific activity of the Institute of Botany of the Academy of Sciences of the Ukrainian S.S.R. in 1966. O. B. Mitun. Ukr. bot. zhur. 24 no. 2:105-109 My-Je '67

UKRAINE--BOTANICAL SOCIETIES

Work of the Ukrainian Botanical Society in 1966. P. H. Sydnoruk, V. I. Chopyk. Ukr. bot. zhur. 24 no. 3:100-101 My-Je '67

UKRAINE--BOTANY

Critical revision of new species described in the flora of the Ukrainian S.S.R. H. M. Pichukin. Ukr. bot. zhur. 24 no. 2:101-104 My-Je '67

Some new and rare plants of the southeastern Ukraine. O. M. Droboskyk, V. S. Tkachenko. Ukr. bot. zhur. 24 no. 3:105-106 My-Je '67

UKRAINE--CAMOMILE

Planting time for common camomile (Mairiaria camomilla). I. V. Poludennyi. Vest. sel'khoz. nauk. 12 no. 5:132-134 My '67

UKRAINE--CAST IRON--METALLURGY

Desulfurization of cast iron in the ladle in iron and steel plants of Ukraine. I. S. Novikov and others. Met. i gor. prom. no. 2:7-8 My-Je '67

UKRAINE--CHEMICAL INDUSTRIES--EXHIBITIONS

Display of the "Chemical Industry" Pavilion at the Exhibition of Advanced Practices in the National Economy of the Ukrainian S.S.R. in 1966. Khim. prom. Ukr. no. 5:56-57 My-Je '66

UKRAINE--CITY PLANNING

Methodology of determining the degree of modernization of residential buildings in Ukrainian cities. V. I. Arsent'uk. Nauk. i tekhn. gos. khoz. no. 5:103-109 '66

UKRAINE--CIVIL LAW

Special features of the regulation of some legal relations by the civil code of the Ukrainian S.S.R. K. Shkalev. Koos. i. hod. pravo 30 no. 5:78-81 My '67

UKRAINE--CLIMATE

Pine species growth and climate fluctuations in the Ukrainian Carpathians. V. H. Kolishchuk, I. M. Berko. Ukr. bot. zhur. 24 no. 2:39-47 My-Je '67

UKRAINE--CLOTHING INDUSTRY

For an efficient influence on industry. N. Sushchuk. Sov. toig. 40 no. 5:15-16 My '67

UKRAINE--COAL MINES AND MINING--MANAGEMENT

Our interview. First steps, first conclusions. Ekon. Rad. Ukr. 10 no. 5:35-37 My '67

UKRAINE--COKE INDUSTRY--BY-PRODUCTS

Trained force and increasing labor productivity. L. Koltov. Ekon. Rad. Ukr. 10 no. 2:49-53 F '67

UKRAINE--COLLECTIVE FARMS--FINANCE

The law of value and cost in socialist agriculture. I. Luki-nov. Ekon. Rad. Ukr. 10 no. 3:10-20 My '67

UKRAINE--COLLECTIVE FARMS--INCOME DISTRIBUTION

Distribution of income and guaranteed wages on collective farms. A. Radchenko. Ekon. Rad. Ukr. 10 no. 3:46-53 My '67

UKRAINE--COMMUNIST PARTY OF THE SOVIET UNION

Party guidance, and preparing enterprises for work in the new way. H. Bandrova'kyl. Ekon. Rad. Ukr. 10 no. 3:54-59 My '67

UKRAINE--CONSTITUTION

Ukraine. Constitution. [Constitution (fundamental law) of the Ukrainian Soviet Socialist Republic. With amendments adopted at the 8th, 7th, and 8th sessions of the 8th Supreme Soviet of the Ukrainian S.S.R.] Konstytutsiia (osnovnyi zakon) Ukrainy'kol Radians'kol Sotsialistychnoi Respubliki. Iz zminamy i dopovnen-nymy, pryinyatymy na 6, 7, 8, sesiiakh Verkhov-noi Rady Ukrainy'kol RSR 6, sklykannia. Kyiv, Politytydav Ukrainy, 1966, 28 p.

UKRAINE--CONSTRUCTION INDUSTRY

Developing the construction industry in the Ukraine. I. Malivets. Ekon. Rad. Ukr. 10 no. 4:10-16 Ap '67

UKRAINE--CONSTRUCTION INDUSTRY--MANAGEMENT

Main trends of developing assembly production. H. Baturat. Ekon. Rad. Ukr. 10 no. 5:55-60 My '67

UKRAINE--DRAINAGE

Dialnages rates in bilateral control of the moisture conditions of peat soils in the Ukraine. A. M. Langol', Gidr. i mel. 19 no. 5:104-100 My '67

Honorary title for millionaires of the Ukraine. Gidr. i mel. 19 no. 5:125 My '67

UKRAINE--ECONOMIC CONDITIONS

The sun of the Soviet Ukraine. I. Grushetskii. Agitator 35 no. 11:10-14 Je '67

UKRAINE--ECONOMIC POLICY

Some peculiarities of the New Economic Policy in the Ukraine. P. P. Bachinskii. Vop. ist. KPSS 11 no. 6:45-52 Je '67

With the language of a poster. M. Pyroshenko. Ekon. Rad. Ukr. 10 no. 2:28-28 F '67

UKRAINE--EDUCATION

Toward new achievements of Soviet schools. Rad. shk. 46 no. 5:101-105 My '67

UKRAINE--EDUCATION--AIMS AND OBJECTIVES

In the Ministry of Education of the Ukrainian S.S.R. Rad. shk. 46 no. 5:108 My '67

UKRAINE--EFFICIENCY, INDUSTRIAL

The empowering effect of competition. A. Sapukhin. Komm. Ukr. 41 no. 5:57-61 My '67

UKRAINE--EGG TRADE

Work and concerns of the purchasing agent-cooperators of the Ukraine. I. M. Mitin. Zakup. sel'khoz. prod. no. 3:40-41 My '67

UKRAINE--ELECTION LAW

Ukraine. Laws, statutes, etc. [Statute of elections to province, district, city, rural and settlements soviets of workers' deputies of the Ukrainian S.S.R. Adopted by decrees of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., October 3, 1950. With amendments and supplements introduced by decrees of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., November 12, 1966] Polozhenie o vyborakh v raionnye, raionnyye, gorodskie, sel'skie i poselkovye Sovety deputatov trudiaschikhia Ukrainy'kol SSR. U-verzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Ukrainy'kol SSR ot 3 oktiabria 1950 goda. S izmeneniami i dopolneniami, vneshennymi Ukazom Prezidiuma Verkhovnogo Soveta Ukrainy'kol SSR ot 12 noiabria 1966 goda. Kiev, Politizdat Ukrainy, 1967, 31 p.

Ukraine. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Ukrainian S.S.R. Adopted by decrees of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., December 12, 1950. With amendments and supplements introduced by decrees of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., November 12, 1966] Polozhenie o vyborakh v Verkhovnyi Sovet Ukrainy'kol SSR. U-verzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Ukrainy'kol SSR ot 12 de-kabria 1950 goda. S izmeneniami i dopolneniami, vneshennymi Ukazom Prezidiuma Verkhovnogo Soveta Ukrainy'kol SSR ot 12 dekabria 1966 goda. Kiev, Politizdat Ukrainy, 1967, 22 p.

UKRAINE--ELECTRONIC DATA PROCESSING--ECONOMIC POLICY

Automation of the calculations of the national economic plan. V. M. Tsimel'. Mekh. i avtom. upr. no. 2:1-4 My-Je '67

UKRAINE--EUROPEAN CORN BORER--EXTERMINATION

Effectiveness of the biological preparation Beauveria combined with DDT against the European corn borer. Pyraustoubiatel'ib. In the conditions of the forest steppe of the Ukraine. Zh. D. Kudin. Zashch. rast. [Kiev] no. 4:29-33 '67

UKRAINE--FARM MECHANIZATION

Industrialization of production and the change in the character of agricultural workers' labor. G. Tsybul'skiy.

UKRAINE--FRESHWATER FAUNA

Characteristics of zooplankton and zoobenthos in Ukrainian ponds. M. I. Pidgaiko. Gidrobiol. zhur. 3 no. 3:35-41 '67

UKRAINE--FUEL--PRICES

Improving price determination in fuel supply branches. M. Kalyta. Ekon. Rad. Ukr. 10 no. 3:36-45 My '67

UKRAINE--FURNITURE INDUSTRY

Specialization and prospects for the development of the furniture industry in the Ukraine. M. A. Gonchar', A. D. Patsera. Der. prom. 16 no. 6:1-3 Je '67

UKRAINE--GAS, NATURAL--GEOLOGY

Prospects for developing gas industry in western regions of Ukraine. G. N. Dolenko, B. I. Larosh, S. P. Yuriv. Gaz. delo no. 3:1-8 '67

Respublikanskoe soveshchanie po probleme "Uslovia formirovaniia i zakonomenosti razmeshcheniia nefiia-nykh i gazovykh mestorozhdenii na territorii USSR," 1966. [Abstracts of reports of the Republic Conference on the problem "Conditions of formation and regularities of distribution of oil and gas fields in the Ukraine." Tезисы докладов. L'vov, 1965, 99 p.

UKRAINE--GAS CONDENSATE FIELDS

Investigating new gas condensate pools in western regions of the Ukraine. A. I. Gritsenko, I. A. Savina, V. V. Ushkin. Gaz. delo no. 4:21-23 '67

UKRAINE--GRAIN TRADE

System of enterprises of the grain product and mixed feed industry in the Ukraine during the anniversary year. P. Semik. Muk. elev. prom. 33 no. 4:3-5 Ap '67

UKRAINE--GUIDEBOOKS

Gerasimov, D. D. [To the Black Sea, a sketch and guide-book for tourists traveling by car. Moscow--Crimea.] K Chernomu moriu, ocherk-putevoditel' dlia avto-turistov. Moskva--Krym. Simferopol', "Krym," 1967, 132 p.

UKRAINE--HISTORICAL RESEARCH

A joint session of Ukrainian and Polish historians. S. Antoniuk. Sov. slav. no. 3:112-113 My-Je '67

UKRAINE--HISTORY

So close in history. I. Gurchii. Komm. Ukr. 41 no. 5:62-74 My '67

UKRAINE--HISTORY--SOCIETIES, ETC.

We should protect national historical monuments. I. A. Petrusenko. Rad. shk. 46 no. 5:7-11 My '67

UKRAINE--HOSEIERY INDUSTRY

Specialization of hose factories of the Ukraine. M. I. Zubareva, A. B. Golovushkina, V. A. Lutschenko. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 2:127-134 '67

UKRAINE--HOURS OF LABOR

Profitable for production and workers. Ekon. Rad. Ukr. 10 no. 4:61-64 Ap '67

UKRAINE--HOUSING, COOPERATIVE

Lienychenko, T. M. [Cooperative housing construction] Kooperativne zhytlove budivnytstvo. Kyiv, Budivnyt'sk, 1966, 151 p.

Ichthyological studies on fresh waters of the Soviet Ukraine in last 50 years. V. I. Vladimirov. Gidrobiol. zhur. 3 no. 3:13-16 '67

UKRAINE, WESTERN—MAPS, PHYSICAL

Compilation of landscape maps of the western part of the Ukraine. S.S.R. K. I. Horiachuk and others. Vnysnyk Ukrainy Ser. geog. no. 1-12 '66.

UKRAINE, WESTERN—MINES AND MINERAL RESOURCES

Stratigraphic maps of the Lvov industrial center and their economic utilization. A. T. Vashchenko, I. M. Mikhailov. Vnysnyk Ukrainy Ser. geog. no. 4-13-17 '66.

UKRAINIAN LANGUAGE—DIALECTS see subdivision under Pripyet Valley

UL'YANOV, ALEXSANDR IL'YICH, 1866-1887

Results to the case of March 1, 1887 in A. I. Ulianov's memorial on the 75th anniversary of his execution. Z. A. Golimov. Uch. zap. Ul'ian. gos. ped. inst. 10 no. 3:22-76 '63.

UL'YANOV, IL'IA NIKOLAEVICH, 1831-1886

I. N. Ulianov's written compositions in the secondary school. A. Karaynyuk. Uch. zap. Ul'ian. gos. ped. inst. 10 no. 3:66-71 '63.

UL'YANOV FAMILY

New documentary materials on the life of the Ulianov family in Simbirsk. A. V. Ivanova, V. Grigorchenko, I. Zhukova. Uch. zap. Ul'ian. gos. ped. inst. 10 no. 3:55-61 '63.

To the descent. K. Mankhachova. Odintso. 44 no. 4:178-180 Ap '67.

UL'YANOVSKIY see subdivision under Aldan Plateau, Andrei Sifeld; Dnepet Valley

ULTRASONIC TESTING

Characteristics of ultrasonic testing of the structure of cement mortar construction. I. I. Shkolnik. G. I. A. Pochot'sk. Defektoskopija no. 2-6-9 '67.

Half-wave flaw detector. V. I. Piontskin, G. V. Dubinin, M. V. Korolev. Defektoskopija no. 2-1-4 '67.

Establishing dynamic acoustic contact at ultrasonic testing. V. G. Shcherbatski. Defektoskopija no. 2-13-18 '67.

Characteristics of ultrasonic defectoscopy of the joints of welded metal structures. V. A. Boshko. Sudost. i more. no. 2:167-172 '66.

Ultrasonic defectoscopy in the technical operation of ships. A. Aknel'band, A. Rogovskii. Mor. flot 27 no. 2:26-27 My '64.

Ultrasonic method of testing the quality of joints of welded aluminum and aluminum-magnesium alloy structures of ships. A. I. Sazonov, V. A. Boshko. Sudost. i more. no. 2:160-166 '66.

Ultrasonic methods for determining elastic parameters of rocks. O. P. Akolantsev, V. S. Amvshchikova. Nauch. trudy Mosk. inst. radioelektr. i elektroniki. no. 5:12-19 '65.

Work practice in detecting faults in the hull structures of ships. L. M. Volnikov, I. P. Korol', I. A. D. Gladstein. Sudost. i more. 57 no. 4:66-68 Ap '67.

ULTRASONIC WAVES

Crystallization from superaturated solutions in ultrasonic fields. A. V. Kostinov, R. V. Protopenov. Akust. i ultrazv. no. 2:7-16 '66.

Effect of ultrasonic waves on phase transformations in steel. I. Sh. Tshintunze, F. N. Tavanzo. Soob. AN Gruz. SSR 16 no. 1:140-154 Ap '67.

Preliminary data on the effect of ultrasonic vibrations on the process of electrochemical oxidation of potassium permanganate to potassium permanganate. A. P. Gindis. Akust. i ultrazv. no. 2:103-105 '66.

Studying the applicability of ultrasonic vibrations for the removal of surface contaminations of silicon carbide grains. N. G. Semenov. Akust. i ultrazv. no. 2:51-55 '66.

Studying the effect of ultrasound on the flow of pure liquid through porous barriers. N. P. Potapova. Akust. i ultrazv. no. 2:70-76 '66.

Studying the ultrasonic wave absorption in CdS single crystals depending on the intensity and spectral composition of the irradiation. G. N. Baranovskii and others. Izv. vuz. ucheb. zav. fiz. no. 4:121-124 '67.

Use of the TSK-2 ultrasonic equipment for studying age-related changes in the fat deposit in Ak-Say Black-White swine and their crosses with other species. K. F. Zuev. Vest. ust. khoz. nauki [Kazakh.] 10 no. 6:58-60 My '67.

Use of the ultrasonic method in measuring the anisotropy of the energy gap in superconducting indium. V. D. Fil', G. A. Shvechenko, P. A. Bezuglyi. Zhur. eksp. i teor. fiz. 52 no. 4:891-898 '67.

Use of ultrasound for measuring the internal stresses in metals. I. G. Koritski. Akust. i ultrazv. no. 2:87-92 '66.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Change in the microhardness of pupae hatched in an ultrasonic field. V. P. Severdenko, I. N. Roznikov. Dokl. AN BSSR 11 no. 4:330-332 Ap '67.

Demulsification of petroleum by a new method with the application of ultrasound. E. I. Spritsnik and others. Akust. i ultrazv. no. 2:84-86 '66.

Effect of flexural ultrasonic vibrations on the bending of specimens. E. G. Kononov, L. G. Pavlov. Dokl. AN BSSR 11 no. 4:333-337 Ap '67.

Experimental study of the effect of ultrasound on the extraction of dyes from the solid parts of grapes. T. V. Makarova. Akust. i ultrazv. no. 2:17-30 '66.

Experimental study of the effect of ultrasound on the process of wine fining. A. V. Kostinov, R. V. Protopenov, I. I. Kononova. Akust. i ultrazv. no. 2:34-46 '66.

Experiments in speeding up the stabilization of hydrocarbon condensate in the field of elastic vibrations. V. I. Semin, I. U. P. Korotaev, V. I. Khoroshilov. Gaz. delo no. 5:3-8 '67.

Making 0.06 - 0.3 mm diameter holes with the A209.05-type ultrasonic piezoelectric machine-tool. V. V. Labetski. I. U. P. Piontskin. Akust. i ultrazv. no. 2:77-79 '66.

Results in studying the ultrasonic sterilization of Georgian natural slightly sweetened wines. R. T. Chkhaidze, L. I. Beridzili, M. A. Askarov. Akust. i ultrazv. no. 2:47-50 '66.

Sakovich, R. K., and L. V. Volodina. [Securing reliable operation of ultrasonic units for qualitative part cleaning] Obezpechenie nadezhnoi ekspluatatsii ul'trazvukovykh ustanoek dlia kachestvennoi ocheistki detalей Leningrad, 1967. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Progressivnye metody obrabotki materialov)

Severdenko, V. P., and V. V. Klubov. [Use of ultrasound in industry] Primeneniye ul'trazvuka v promyshlennosti. Minsk, Nauka i tekhnika, 1967. 260 p.

Smirnov, A. D. [Pulsed ultrasonic measuring equipment; problems of design] Impul'snaya ul'trazvukovaya izmeritel'naya apparatura, voprosy konstruirovaniia. Moskva, Energiia, 1967. 191 p.

Studying the use of ultrasound in preventing the formation of incrustation in low-power boilers. V. M. Lube and others. Akust. i ultrazv. no. 2:93-95 '66.

Ultrasonic defectoscopy of large-diameter pipes. M. A. Askarov. Akust. i ultrazv. no. 2:80-83 '66.

Ultrasonic method of checking the flow of gas - liquid system in a porous medium. B. A. Belinskii, L. L. Slud. Akust. i ultrazv. no. 2:63-69 '66.

Ultrasonic washing of parts. V. K. Razin, I. U. P. Ivanov. Mashinost. i otol. no. 5:122 My '67.

Unit for thermomagnetic ultrasonic treatment of metal specimens. I. P. Vygodskii, S. K. Iaromskii, I. U. I. Baboi. Fiz. khim. mekh. met. 3 no. 2:241-242 '67.

Use of an ultrasonic resonance thickness gauge in measuring objects with nonparallel surfaces. I. N. Ermolov. Zav. lab. 33 no. 3:311-313 '67.

Use of the ultrasound for purification of tartaric acid solutions. D. E. Glavatskii. Akust. i ultrazv. no. 2:31-33 '66.

Use of ultrasonic waves in the electrochemical oxidation of potassium manganate to permanganate. A. P. Gindis. Khim. prom. Ukr. no. 5:11-16 S-O '66.

Using ultrasonic vibrations for the intensification of the process of nickel plating. A. P. Gindis, L. V. Gorshkova. Akust. i ultrazv. no. 2:100-101 '66.

Using ultrasounds for the isolation of finely dispersed minerals. K. S. Akopova, M. F. Kashirskaya. Razved. i okh. neft. 33 no. 5:117-21 My '67.

ULTRASONIC WAVES—SPEED

Determining phase and group velocities of normal waves. V. K. Kartanov. Defektoskopija no. 2:9-13 '67.

ULTRASONIC WELDING

Characteristics of diffusion processes in commercial-grade iron during ultrasonic welding. S. K. Ginzburg, I. U. G. Nosov. Metalloved. i term. obr. met. no. 4:59-60 Ap '67.

Forming joints in ultrasonic welding of metals. S. K. Ginzburg, A. M. Miskovich, I. U. G. Nosov. Svat. prozv. no. 5:45-47 My '67.

Ultrasonic tinplating and soldering of aluminum alloys. G. P. Vinogradov, D. N. Shmagin. Mashinostroi. no. 5:10 My '67.

ULTRASONIC WELDING—EQUIPMENT AND SUPPLIES

The LM-02 universal ultrasonic welding unit. M. Vartanlan, A. Safarlan. Prom. Arm. 10 no. 4:22-24 '67.

ULTRASONICS

Smirnov, A. D. [Pulsed ultrasonic measuring equipment; problems of design] Impul'snaya ul'trazvukovaya izmeritel'naya apparatura, voprosy konstruirovaniia. Moskva, Energiia, 1967. 191 p.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Samoilova, K. A. [Effect of ultraviolet irradiation on cells] Del'stvie ul'trafiol'tovoi radiatsii na kletku. Leningrad, Nauka, 1967. 143 p.

UL'YANOVSK—CITY PLANNING

The city towers like a statue. A. Mikhailov. NTO 9 no. 4:5-7 Ap '67.

UL'YANOVSK—INDUSTRIAL MANAGEMENT

In answer to criticism. Part. zhizni' no. 11:65 Je '67.

UL'YANOVSK—MONUMENTS

Lenin's memorial. K. I. Leon. Sov. voen. 49 no. 2:16-17 Ja '67.

UL'YANOVSK—TECHNOLOGICAL INNOVATIONS

The city towers like a statue. A. Mikhailov, NTO 9 no. 4:5-7 Ap '67.

UL'YANOVSK—VOCATIONAL EDUCATION

To pattern one's life after Lenin. A. Mezenin. Prof. i tekhn. obr. 24 no. 4:8 Ap '67.

UL'YANOVSK ADMINISTRATIVE AREA—COLLECTIVE FARMS

The Ulyanovsk Communist Youth League as a militant helper of the party in the creation of the collective farm system, 1929-1932. V. V. Kostukova. Uch. zap. Ul'ian. gos. ped. inst. 22:126-135 '66.

UL'YANOVSK ADMINISTRATIVE AREA—COMMUNIST YOUTH LEAGUE

The Ulyanovsk Communist Youth League as a militant helper of the party in the creation of the collective farm system, 1929-1932. V. V. Kostukova. Uch. zap. Ul'ian. gos. ped. inst. 22:126-135 '66.

UL'YANOVSK PROVINCE—AGRICULTURAL PRICES

The state purchasing prices and the stimulation of collective farm production. L. N. Kazantseva. Uch. zap. Ul'ian. gos. ped. inst. 18 no. 2:18-56 '63.

UL'YANOVSK PROVINCE—COLLECTIVE FARMS

The state purchasing prices and the stimulation of collective farm production. L. N. Kazantseva. Uch. zap. Ul'ian. gos. ped. inst. 18 no. 2:18-56 '63.

UL'YANOVSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Problems of party life discussed on the pages of the province newspaper. Part. zhizni' no. 10:68 My '67.

UL'YANOVSK PROVINCE—DESIGN, INDUSTRIAL

A definite success has been reached, but ... L. Platonov. Tekhn. est. 4 no. 5:31 My '67.

UL'YANOVSK PROVINCE—GEOLOGY, STRATIGRAPHIC

Paleo-Tatar Permian formations of western Kama Valley, southwestern Tatar A.S.S.R., and northern Ulyanovsk Province. I. N. Tikhvinskii. Trudy VNIIGI no. 51:235-246 '66.

UMBILICUS—BLOOD SUPPLY

Prenatal and postnatal anatomy of the umbilical vein. G. E. Ostoverkha, A. D. Nikol'skii. Arh. anat., gist. i embr. 52 no. 5:51-56 My '67.

UMBILICUS—HERNIA

Umbilical hernia with resection of the ileocecal angle in newborn infants. V. I. Koshelskii. Vest. khir. 98 no. 4:112-113 Ap '67.

UMBILICUS—TUMORS

Case of intrauterine death of the fetus caused by umbilical hematoma. A. G. Guseinov, A. A. Abbasov. Azerb. med. zhur. 44 no. 3:61-63 Ma '67.

UMOHOLTE

Umoholte. O. V. Fedorov. Zap. Vses. min. ob. va. 96 no. 1:95-97 '67.

UNDERDEVELOPED A

The United Nations. Ekonom. Rad. Ukr. 10.

UNDERDEVELOPED A

General agreement on the development of the world. 47 no. 5:3.

UNDERDEVELOPE WEST GERMAN

Aid or expansion? 52-53 '67.

UNDERDEVELOPE

Conference on the development of the world. Geog. 22 no. 2.

UNDERDEVELOPE RELATIONS—C

Developing countries. Shusharin, no. 5:78-84 '67.

UNDERDEVELOPE

Problems of the 1. Mir. ekon. i mez.

UNITED STATES—PETROLEUM PRODUCTION, THERMAL

Prospects for using thermal recovery methods based on data of experimental and industrial introduction of such methods in the U.S.A. G. L. Govorova Trudy Vuzovsk. no. 66:29-37 '67

UNITED STATES—RACE QUESTION

Kyzy, I. F. [In the land of the dollar] V kraini dolara, Kyiv, Polizdat Ukrainy, 1966. 40 p.

Little Rock yesterday and Alabama today. A. Kirsanov. Agitator no. 11:37 Jo '61.

UNITED STATES—RADIO PROGRAMS

From newspapers and periodicals of America Sov. radio i tel. 16 no. 1:36-39 M '67

UNITED STATES—RELATIONS (GENERAL) WITH CANADA

The slogan, "independence!" Kasl Staf. Sov. profsoyuzi 23 no. 8:35-36 Ap '67.

UNITED STATES—RETAIL TRADE

Comparison of the conditions of the domestic market in the U.S.A. V. Saichev. Nauch. dokl. vys. shkoly, ekon. razv. 10 no. 5:51-60 '67.

UNITED STATES—ROAD MACHINERY

New loaders in the United States. Stroitel' dor. mash. 12 no. 2:16-13 '67

UNITED STATES—SOCIAL CONDITIONS

Sosledkov, N. N. [Business America, engineer's notes] Delovaya Amerika; zapiski inzhenera. [Moskva, Politizdat, 1967] 301 p.

The war on the poor. Ari Shilda. Nov. vrem. 25 no. 21:13-15 My '67.

UNITED STATES—SOCIAL CONFLICT

Collective agreements and the class struggle in the U.S.A. I. A. Kozemetski. Mir. ekon. i mezhdunar. otn. no. 5:64-72 '61.

UNITED STATES—SPACE PROBES

American artificial earth satellites and space probes. Dni st. opt. nabl. tek. spul. Zem. no. 47:18-41 '66.

UNITED STATES—SPACE VEHICLES

American artificial earth satellites and space probes. Dni st. opt. nabl. tek. spul. Zem. no. 47:18-41 '66.

UNITED STATES—STEAM TURBINES

Problems of water treatment and water conditions in large steam turbine blocks in the U.S.A. Teptoenorgotekhnika 14 no. 7:83-90 My '67.

UNITED STATES—TECHNOLOGY

Competition in the sphere of technology: Europe against the U.S.A. G. B. Quinn. Mir. ekon. i mezhdunar. otn. no. 5:126-130 '67.

UNITED STATES—TECHNOLOGY—ECONOMIC ASPECTS

Scientific and technical progress and interimperialist contradictions. L. H. Mu. ekon. i mezhdunar. otn. no. 5:136-137 '67.

UNITED STATES—TELEVISION PLAYS

A lion with the voice of a mouse. V. Gotovanov. Sov. radio i tel. 16 no. 2:40-42 F '67

UNITED STATES—TELEVISION PROGRAMS

From newspapers and periodicals of America. Sov. radio i tel. 16 no. 1:34-39 M '67.

Green herons and red blood. V. Gotovanov. Sov. radio i tel. 16 no. 4:39-41 Ap '67.

The strategy of "delicate" divisions. D. Lumbosvetov. Sov. radio i tel. 16 no. 1:42-43 Ju '67.

UNITED STATES NATIONAL STUDENT ASSOCIATION

Under the mask of the National Student Association. A. Brychkov. Mol. komm. no. 5:122-127 '67.

UNITIZED CARGO SYSTEMS

Effect of the mechanization level of transshipping operations in ports on the preservation of the handled cargo. P. D. Kovalov. Mol. por. nauch. trudy no. 2:22-25 '66.

UNIVERSITIES AND COLLEGES—ADMISSION

Competitive selection of students should be made on a scientific basis. G. A. Nikolaev. Vest. vys. shkoly 25 no. 5:10-13 My '67.

The results have to be generalized and studied. Vest. vys. shkoly 25 no. 5:10-24 My '67.

Ussha (U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. [Admission rules and curriculum of entrance examinations for those entering institutions of higher education of the U.S.S.R. in 1967] Pravitel'stvo i programmy vstupitel'nykh ekzamenov dlya postupaushchikh v vyssheye uchebnoye zavedeniye SSSR v 1967 godu. Moskva, Vysshaya shkola, 1967. 80 p. When society participates. A. M. Frudinskiy, L. A. Kell'. Vest. vys. shkoly 25 no. 5:14-19 My '67.

UNIVERSITIES AND COLLEGES—BUILDINGS

Auditoriums which are used around the clock, as seen by a designer. E. S. Tarashkevich. Vest. vys. shkoly 25 no. 5:31-35 My '67.

UNIVERSITIES AND COLLEGES—CONGRESSES

Teach research methods to all university students G. Gorin, M. Smirnova. Izv. vys. ucheb. zav. i nauch. i tekhn. 10 no. 4:10 '67

UNIVERSITIES AND COLLEGES—EXAMINATIONS

The results have to be generalized and studied. Vest. vys. shkoly 25 no. 5:10-24 My '67.

UNIVERSITIES AND COLLEGES—GRADUATE WORK

Developing research habits in every student. A. A. Vorobey, N. I. A. Makarov, V. P. Groshev. Vest. vys. shkoly 25 no. 5:56-60 My '67.

The inalienable part of education and training. V. I. Kutov, V. M. Orel'. Vest. vys. shkoly 25 no. 5:53-56 My '67.

UNJUST ENRICHMENT

Concept of unearned income. V. G. Ivanov. Sov. iust. 31 no. 6:6-8 My '67.

Imposition of civil law sanctions upon the persons who gain the unearned income by exploiting their property. V. P. G. Ivanov. Vest. Mosk. un. Ser. 12: Pravo 22 no. 3:13-25 My-Je '67.

UNSATURATED COMPOUNDS

Chemistry of natural fatty acids with a conjugated system of double bonds. V. D. Sokolovnik. Usp. khim. 36 no. 4:638-681 Ap '67.

Reactions of selenols with unsaturated compounds of electrophilic type. Part I. Reaction of selenophenol with some α, β -unsaturated acids and their derivatives. U. G. Kataev, F. G. Gabdrakhmanov. Zhur. ob. khim. 37 no. 4:772-775 Ap '67.

Unsaturated acids and macrocyclic lactones. Report No. 20. Synthesis of catalytic and calenderic acids. L. D. Bergelson, V. D. Sokolovnik, M. M. Shemiakin. Izv. AN SSSR, Ser. khim. no. 4:843-850 Ap '67.

UNSEVINE—PHYSIOLOGICAL EFFECT

Sedative properties of the new alkaloid unsevine. U. D. Zakirov, S. Kh. Nasirov, L. K. Kamitov. Dokl. AN Uz. SSR 23 no. 6:34-35 '66.

UPPER MANTLE PROJECT—CONGRESSES

Second All-Union Conference on the International Project of the "Upper Mantle of the Earth and Its Effect on the Development of the Earth's Crust." D. A. Mukhametov, A. A. Popov. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:87-93 My-Je '67.

URACIL

Dynamics of 5-bromouracil incorporation into DNA of thymine-deficient Escherichia coli strains. N. L. Lukanov, A. S. Antonov. Nauch. dokl. vys. shkoly, biol. nauk 10 no. 4:105-107 '67.

URACIL—PHYSIOLOGICAL EFFECT

Effect of methylthiouracil on the development of endogenous hypercholesterolemia in rabbits. T. N. Loviatina, T. A. Stetsina. Kardiologiya 7 no. 3:122-123 M '67.

URAL—NAME

History of the name "Ural" E. V. Iastrebov. Izv. AN SSSR, Ser. geol. no. 3:86-102 My-Je '67

URAL MOUNTAIN REGION—CHUVASHES

Chuvash settlements and dwellings in the Kama Valley and the southern Ural Mountain region. L. A. Ivanov. Uch. zap. CHUVASHIE no. 29:184-211 '65.

URAL MOUNTAIN REGION—INDUSTRIAL MANAGEMENT

[Scientific labor organization at the work areas; experience of the Central Urals enterprises] Nauchnaya organizatsiya truda na rabochikh mestakh; opyt predpriyati Srednego Urala. Izd. 2., perer. i dop. [Moskva] Politizdat, 1967. 252 p.

URAL MOUNTAIN REGION—METALWORK

An ingot mold from the southern Ural Mountain region. M. D. Khlobystina, L. P. Khlobystina. Sov. arkhool. no. 2:238-240 '67.

URAL MOUNTAIN REGION—MINING GEOLOGY

Conditions of mining geology and coal content in reserved sections of Koshva syncline. N. I. Kononenko. Nauch. trudy Perm. NIUI no. 7:5-18 '64.

URAL MOUNTAIN REGION—PATENTS

Results of the work of the Central-Ural Group of the All-Union Research Institute of the State Patent Arbitration I. P. Tikhomirov. Vop. izobr. no. 11:23 N '66.

URAL MOUNTAIN REGION—RAILROADS—CARS

Improving the accounting at the Ural Car Plant. A. A. Chirkov. Vest. mashinost. 47 no. 5:77-78 My '67.

URAL MOUNTAIN REGION—SUNBATHS

Heliotherapeutic resources of the local weather in the Urals. A. D. Sharagin. Vop. kur. i fizioter. i lech. fiz. kul't. 32 no. 2:129-133 M '67

URAL MOUNTAIN REGION—TRANSPORTATION, MILITARY

With a cargo to a distant garrison. V. Fuznetsov. T. i snab. Sov. Voor. Sil. 27 no. 1:52-53 Ja '67

URAL MOUNTAINS—AERONAUTICS IN GEOLOGY

Methodology of combine prospecting for deep magnetite deposits in the Urals. V. N. Ponomarev and others. Razved. i okh. nedr. 33 no. 5:39-45 My '67

URAL MOUNTAINS—AMPHIBOLES

Investigating the concentrability of Southern Ural glaucophane rocks with a view to preparing glaucophane concentrate as acid-resisting raw material. V. I. Kolmogorova, B. V. Chesnokov. Izv. vys. ucheb. zav. gor. zhur. 9 no. 1:149-151 '66

URAL MOUNTAINS—CHROMITE—ANALYSIS

Distribution system and methods of selecting samples during mine prospecting for chromite ores of Sarany deposit. V. F. Miagkov, V. L. Batalov. Izv. vys. ucheb. zav. gor. zhur. 9 no. 1:3-9 '66

URAL MOUNTAINS—EARTH—SURFACE

Some results of the study of the earth's crust of the Urals according to gravimetric intersections. A. N. Timofeev and others. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:45-49 My-Je '67.

URAL MOUNTAINS—GRAVITY—MEASUREMENT

Some results of the study of the earth's crust of the Urals according to gravimetric intersections. A. N. Timofeev and others. Izv. AN Kazakh. SSR, Ser. geol. 24 no. 3:45-49 My-Je '67.

URAL MOUNTAINS—GRAVITY ANOMALIES

Gravity anomalies eastward of the Taratah anticlinorium. O. V. Bellavin. Izv. AN SSSR, Ser. geol. no. 5:99-104 My '67.

URAL MOUNTAINS—INDUSTRIAL BUILDINGS—FOUNDATIONS

Dudarov, V. K. [Precast foundations of industrial buildings; from the experience of planning and building in the Ural Mountains] Sbornye fundamenty promyshlennyykh zdaniy, iz opyta proektirovaniya i stroitel'stva na Urale. 2. izd., perer. i dop. Moskva, Stroitzdat, 1966. 111 p.

URAL MOUNTAINS—LYNDOCHITE

Crystalline lyndochite from alkali metasomites of the Urals. N. V. Sviatshin, M. K. Gaidukova. Zap. Vses. mt. ob-va 96 no. 2:206-210 '67.

URAL MOUNTAINS—MAGNETIC PROSPECTING

Methodology of combine prospecting for deep magnetite deposits in the Urals. V. N. Ponomarev and others. Razved. i okh. nedr. 33 no. 5:39-45 My '67

URAL MOUNTAINS—MAGNETITE

Methodology of combine prospecting for deep magnetite deposits in the Urals. V. N. Ponomarev and others. Razved. i okh. nedr. 33 no. 5:39-45 My '67.

URAL MOUNTAINS—MANGANESE ORES

Gavrilov, A. A. [Manganiferous volcanic-sedimentary complex of the Ordovician of the Southern Urals and the Northern Mugodzhaz Hills] Marganitsosnyy vulkanogenno-osadochnyy kompleks ordovika Uzhnogo Urala i Severykh Mugodzhar. Moskva, Nauka, 1967. 111 p. illus. (Akademiya nauk SSSR. Geologicheskii institut. Trudy, no. 169)

- Study of the antigenic structure of the vaccine strain M of Rikettia burnetii. V. N. Pautov. Zhur. mikrobiol., epid. i immun. 44 no. 4:139 Ap '67.
- Study of the basic properties of diphtheria diagnostics depending on the duration of their storage. Report No. 1. N. A. Kravchenko, V. B. Sadykova. Trudy Mosk. nauch.-issl. inst. vak. i slyv. 17:154-162 '67.
- Study of the properties of complete antigens obtained by various methods to increase the quality of Flevner's dysentery component in polyvalent vaccine. M. I. Ignatova. Trudy Mosk. nauch.-issl. inst. vak. i slyv. 17:116-151 '67.
- VACCINES—SIDE EFFECTS**
Anaphylactogenic properties of adsorbed and nonadsorbed pertussis-diphtheria-tetanus vaccines. S. I. A. Kovaleva. Zhur. mikrobiol., epid. i immun. 44 no. 6:105-100 Je '67.
- VACUUM**
Keeping liquid metal in a vacuum by magnetic field with cellular polarization in the presence of a conducting shell. I. U. P. Ladikov. Izv. AN SSSR. Mekh. zhid. i gaz. no. 2:10-16 M-Ap '67.
- VACUUM APPARATUS**
Economies of the reliability of electronic vacuum devices. S. A. Obolenskii. Radiotekhnika 22 no. 5:95-96 My '67.
Method for the calculation of multisectional vacuum apparatus of continuous action. M. L. Vaisman, V. N. Giorokh, V. D. Popov. Trudy VNIISP no. 13:159-178 '66.
Study of the process of vacuum drying of chrome leather. I. U. A. Jablin. Izv. vys. ucheb. zav. tekhn. i tekhn. prom. no. 2:50-60 '67.
Venting vacuum apparatuses of a new design. I. U. D. Kot, N. I. Zhurakov, A. L. Sokolova. Trudy VNIISP no. 13:117-120 '66.
- VACUUM CLEANING**
Ways and means of mechanizing the cleaning of production areas. L. N. Popova. Kozh.-obuv. prom. 9 no. 4:14-16 Ap '67.
- VACUUM METALLURGY**
Segregation defects in ingots made by arc furnace vacuum smelting. I. I. Shved, I. U. D. Smirnov, G. A. Khasin. Prom. i prikl. met. no. 7:59-68 '61.
- VACUUM PUMPS**
Studying the operation of a cryogenic pump in a free molecular regime. N. N. Bagrov and others. Zhur. tekhn. fiz. 47 no. 8:1105-1111 Je '67.
- VACUUM TECHNOLOGY**
Diffusion coating of titanium with platinum foil in a vacuum. N. P. Kazakov, V. V. Nishchukin. Izv. vys. ucheb. zav. mashinost. no. 3:100-103 '67.
Effect of admixtures of calcium, sodium, and potassium chlorides on the process of vacuum separation of magnesium thermal mass. B. N. Kustkin and others. 40 no. 3:501-505 Mr '67.
Voronezh, T. A., and V. D. Sobolev. [Physical fundamentals of electron tube technology] Fizicheskie osnovy elektronovakuumnoi tekhniki. Moskva, Vysshaya shkola, 1967. 351 p.
- VAGUS NERVE**
Influence on vagus nerves on coronary circulation in experimental local myocardial ischemia. O. P. Volchenko. Fiziol. zhur. [Ukr.] 13 no. 3:399-402 My-Je '67.
- VAKHSH VALLEY—PARASITES—FISHES**
New species of parasitic protozoans in fishes of Vakhsh basin. U. D. Dzhalilov. Dokl. AN Tadzh. SSR 10 no. 2:10-52 '67.
- VAKHSH DISTRICT—AGRICULTURAL CREDIT**
From practice in awarding direct credit. L. Strakh. Den. i kred. 25 no. 4:47-48 Ap '67.
- VAKHSH DISTRICT—COLLECTIVE FARMS—FINANCE**
Economic efficiency of capital investments on collective farms. V. I. A. Ilyukov. Trudy KHKSH 54:100-106 '66.
From practice in awarding direct credit. L. Strakh. Den. i kred. 25 no. 4:47-48 Ap '67.
- VALVE**
The law of valve and cost in socialist agriculture. I. Lukin. Ekon. Rad. Ukr. 10 no. 3:40-20 Mr '67.
- VALVES**
Surgival valve with a safety device. V. F. Simonov. Biol. tekhn.-eksp. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 5:21-22 My '67.
Determining the capacity of valve holes. V. V. Dobretsov. Izv. vys. ucheb. zav. mashinost. no. 4:127-132 '67.
Hydraulic booster valve of the SSh-75 chassis. E. Rumiantsev, I. U. Samarchenko, V. Prutskov. Tekh. v sel'khoz. no. 4:44-45 '67.
Studying the performance of a pulse valve. G. I. A. Umarov, A. K. Ahimov, N. Kh. Sidunshaliev. Izv. AN Uz. SSR. Ser. tekhn. nauk. 11 no. 3:33-37 '67.
- VAN ALLEN RADIATION BELTS**
Relation between irregular phenomena in the ionosphere of the auroral zone and the disturbances in the outer radiation belt. G. N. Gorbushina, S. N. Kuznetsov. Geomag. i aer. 7 no. 1:55-61 '67.
- VANADIUM**
Alkaline method of regenerating vanadium from the spent contact mass of sulfuric acid production. N. A. Golovko, K. I. Brodovich, N. D. Zavalova. Khim. prom. Ukr. no. 5:49-51 S-O '66.
- VANADIUM CARBIDES—THERMODYNAMICS**
Effect of temperature and composition on some thermodynamic characteristics of vanadium carbides. V. S. Cherniaev and others. Izv. AN SSSR. Khim. i fiz. 3 no. 5:789-796 My '67.
- VANADIUM CHLORIDES—SPECTRA**
Infrared absorption spectra of vanadium oxychlorides. I. U. A. Kharchenko, N. K. Khallilova. Izv. AN SSSR. Neorg. mat. 3 no. 5:904-905 My '67.
- VANADIUM COMPOUNDS**
Removing vanadium and sodium compounds from sour crudes in hydrocracking at low pressure (30 atmospheres). I. A. R. Katsobashvili and others. Neftepr. i neftekhim. no. 4:3-6 '67.
- VANADIUM OXIDES**
Reducing chlorination of vanadium pentoxide. I. A. Glukhov, A. Tursunov. Dokl. AN Tadzh. SSR 10 no. 2:35-38 '67.
- VANADIUM-TITANIUM-CHROMIUM ALLOYS** see Titanium-vanadium-chromium alloys
- VANDA LAKE, ANTARCTICA—TEMPERATURE**
Thermal and hydrochemical characteristics of Lake Vanda. A. O. Shpal'ther. Probl. Arkt. i Antark. no. 25:35-43 '67.
- VANDA LAKE, ANTARCTICA—WATER—COMPOSITION**
Thermal and hydrochemical characteristics of Lake Vanda. A. O. Shpal'ther. Probl. Arkt. i Antark. no. 25:35-43 '67.
- VANNIC LANGUAGE**
The place of the Urartic dialect in the system of Dargwin language dialects. S. M. Gasanova. Uch. zap. IIAL Dag. fil. AN SSSR 10:310-325 '62.
- VAPOR-LIQUID EQUILIBRIUM**
Effect of composition and pressure on the liquid-vapor equilibrium in the system water-ethanol-acetaldehyde. S. E. Khailin, V. M. Perevalov. Izv. vys. ucheb. zav. khim. i tekhn. 10 no. 2:155-159 '67.
Liquid-vapor equilibrium in the system ethylene-vinyl chloride. F. I. Dumov, V. S. Zernov, S. G. Lyubetskii. Zhur. prikl. khim. 40 no. 3:599-603 Mr '67.
Liquid-vapor equilibrium in the system methyl ethyl ketone-cyclohexane-isopropyl alcohol. N. V. Lutugina, V. N. Kolbina, L. M. Podberezhskina. Vest. LGU 22 no. 4:68-71 F '67.
Liquid-vapor equilibrium of the system ethyl alcohol-water in the region of small water concentrations. V. N. Vostrikova and others. Zhur. prikl. khim. 40 no. 3:683-688 Mr '67.
- VAPOR PRESSURE**
Determination of pressure and composition of vapor in the system SnCl_2 -KCl. N. V. Karpenko. Vest. LGU 22 no. 4:78-84 F '67.
Methods of calculating the specific surface of mineral powders measured by the BET method. R. L. Popov. Izv. AN Uz. SSR. Ser. tekhn. nauk 10 no. 5:84-87 '66.
- VARIABLE STARS** see Stars, Variable
- VARIATION (BIOLOGY)**
Mutagenesis and carcinogenesis. N. I. Shapiro. Usp. sovr. biol. 63 no. 2:163-168 Mr-Ap '67.
- VARNISH AND VARNISHING**
Technical consultation. Rech. transp. 26 no. 3:50 '67.
- VARVAK, PETR MARKOVICH, 1907-**
Petr Markovich Varvak; on the occasion of his 60th birthday. G. N. Savin, A. I. Streletskaia. Prikl. mekh. 3 no. 5:141-142 My '67.
- VASIL'EV, SERGEI ALEKSANDROVICH, 1911-**
And all for the Soviet regime. I. Denisova. Otkryt. 44 no. 4:207-211 Ap '67.
- VASOMOTOR NERVOUS SYSTEM** see Nervous system, Vasomotor
- VAULTING** see Pole vaulting
- VECTOCARDIOGRAPHY**
Changes in the vectocardiogram following mitral commissurotomy. E. A. Kukhterina. Kardiol. i fiziol. 7 no. 3:135-136 Mr '67.
- VEGETABLE GARDENING**
Bamberga, K., and A. Balode. [Microelements in vegetable gardening] Mikroelementi darzenkopiba. Riga, Liesma, 1965. 128 p. [In Latvian]
Practical training program in vegetable growing: 9th-10th grades. Shkola i prod. 11 no. 1:19-21 Ap '67.
- VEGETABLE GARDENING—EQUIPMENT AND SUPPLIES**
Development of mechanization in vegetable gardening. A. Kolomolets. Tekh. v sel'khoz. no. 4:6-9 '67.
Remodeling a vegetable planter. N. Pashkov. Tekh. v sel'khoz. no. 4:77 '67.
- VEGETABLE GARDENING—FINANCE** see subdivision under Kharkov Province
- VEGETABLE TRADE** see subdivision under Moldavia; Moscow
- VEGETABLE TRADE—MANAGEMENT** see subdivision under Crimea; Kishinev; Odessa
- VEGETABLES—COOPERATIVE MARKETING**
Some problems of cooperative procurement. A. Zayra-zhnykh. Zakup. sel'khoz. prod. no. 3:23-26 Mr '67.
- VEGETABLES—FERTILIZERS AND MANURES** see subdivision under Alma-Ata Province
- VEGETABLES—STORAGE**
(see also subdivision under Moscow region)
Losses, losses, ... S. Laptev. Zakup. sel'khoz. prod. no. 5:24-26 My '67.
- VEHICLES—TESTING**
Experimental investigation of support and cohesion properties of wheeled vehicles at low speeds. S. G. Vol'skii, G. B. Bezborodova, N. F. Koshaniy. Avi. transp. [Kiev] no. 3:88-89 '66.
- VEHICLES, MILITARY**
Dual functioning of automobiles. A. Filatov, V. Tetter, O. Baidyshev. Tyt. i snab. Sov. Voor. Sil. 27 no. 12:65-87 D '66.
Formation of drivers. V. Zelenskiy. Tekh. i vooruzh. 25 no. 12:39-41 D '66.
Preliminary training course for young drivers. N. Pisannyy. Tyt. i snab. Sov. Voor. Sil. 27 no. 1:32-33 Ja '67.
- VEHICLES, MILITARY—MAINTENANCE AND REPAIR**
A lasting barrier to automotive accidents. V. Manchenko. Tyt. i snab. Sov. Voor. Sil. 27 no. 12:35-37 D '66.
Without accidents and breakdowns. O. Gurov, F. Levshin. Tekh. i vooruzh. 25 no. 11:56-57 N '66.
- VEHICLES, MILITARY—TRANSPORTATION**
Inclined loading of motor vehicles on seagoing vessels. A. Oleinikov. Tyt. i snab. Sov. Voor. Sil. 27 no. 1:77 Ja '67.
- VEINS**
Prenatal and postnatal anatomy of the umbilical vein. G. E. Ostrovskhov, A. D. Nikol'skii. Arkh. anat., gist. i embriol. 52 no. 5:51-56 My '67.
- VEINS—DISEASES**
Angiographic characteristics of veins of the lower extremities under normal conditions and in pathology. S. M. Gaitanov, G. M. Andriashan. Zhur. eksp. i klin. med. 7 no. 2:51-58 '67.
Surgical treatment of insufficiency of deep veins of the lower extremities. M. D. Vasiluk. Vest. khir. 98 no. 4:99-100 Ap '67.
- VEINS—INNERVATION**
Neural structures of the cardiac veins in man. I. A. L. Karaganov. Kardiol. i fiziol. 7 no. 3:111-115 Mr '67.
- VEINS—RADIOGRAPHY**
Clinical and experimental substantiation of phlebography in thrombophlebitis and postphlebotic syndrome of the lower extremities. R. P. Askerkhanov, G. G. Magomedov. Vest. khir. 98 no. 4:93-98 Ap '67.
- VEINS—SURGERY**
Diagnosis and treatment of acute thrombosis of the posterior vena cava. V. S. Savel'ev, E. P. Dumpe, E. G. Iablokov. Vest. khir. 98 no. 4:26-29 Ap '67.
Surgical treatment of insufficiency of deep veins of the lower extremities. M. D. Vasiluk. Vest. khir. 98 no. 4:99-100 Ap '67.
- VELICHAYEVA OIL FIELD—PETROLEUM PRODUCTION**
Production of paraffin-base oil in Velichayevka field. V. F. Karagin. Nefteprom. dat. no. 3:11-12 '67.
- VENA CAVA**
Clinical aspects, diagnosis and surgical treatment of the superior vena cava syndrome. L. I. Klitoner, I. I. Rusanov, E. V. Potemkina. Vest. khir. 98 no. 4:113-21 Ap '67.

VENA CAVA—DISEASES

Surgery and treatment of acute thrombosis of the posterior vena cava. V. B. Savell'ov, E. P. Dumpe, S. G. Abolotov. Vest. khir. 96 no. 4:26-28 Ap '67.

VENEZUELA

[Venezuela, economics, politics, culture] Venesuela, ekonomika, politika, kul'tura. Moskva, Nauka, 1967. 355 p.

VENEZUELA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Agreement on an oil agreement. V. Selivanov. Mezhdunar. zhizn' 11 no. 6:111-112 '67.

VENTILATION

The most important means for preserving grain. V. Stets'kov, Zashch. sel'khoz. prod. no. 5:16-17 My '67.

VENUE

Transfer of civil cases from one court to another. Zhurnalistskaya pravda. 31 no. 8:23-24 My '67.

VERSAEV, VIKENTY VIKENT'EVICH, 1807-1945

The 100th anniversary of the birth of V. V. Versaev. A. Sokolov. Otkritiia 44 no. 2:100-101 F '67.

VERKHNE DNEPROVSK (UKRAINE)—HUGAR FACTORIES—MANAGEMENT

Organization of scientific organization of labor at the Verkhne Dneprovsk Combine. N. K. Malynhko. Sakh. prom. 41 no. 5:54-55 My '67.

VERPE, JUDAS, 1820-1905

A resolution of a problem in science fiction literature. T. A. Chernyshova. Trudy fil. na. 11:93-105 '64.

VERIFICATION

The problem of verifiability and the technique of verification. I. I. Gold. Vop. iz. no. 3:54-60 My-Je '67.

VETERINARIANES see subdivision under White Russia

VETERANS see subdivision under Rostov-on-Don

VETERANS, DISABLED

Benefits for defenders of the motherland. Sots. obesp. 42 no. 4:58-60 Ap '67.
Attention of the disabled veterans and the handicapped during the first years of the Soviet regime. Z. Antipina. Sots. obesp. 42 no. 5:6-10 My '67.

VETERANS, DISABLED—EMPLOYMENT see subdivision under Vietnam, North

VETERANS, DISABLED—MEDICAL CARE

They were disabled. I. Kutaliev. Sots. obesp. 42 no. 4:40 Ap '67.

VETERINARY HELMINTHOLOGY

(see also subdivision under Pavlodar Province)
Cases in the processing of helminth-infested cattle. B. Kuznetsov. Muzh. i zh. 30 no. 5:38-39 My '67.

VETERINARY HEMATOLOGY

Changes in the protein composition of the blood serum and some hematological indices in Altai cows in the course of lactation. I. P. Inokhova. Vest. sel'khoz. nauki [Kazakh] 10 no. 2:51-55 F '67.
Effect of anesthesia on the biochemical indices of the blood of sheep fed trace elements. E. P. Dymko. Vest. sel'khoz. nauki [Kazakh] 10 no. 5:102-105 My '67.

VETERINARY IMMUNOLOGY

Comparative significance of immunogenic characteristics of the attenuated strains of Salmonella ovis. B. A. Matvienko, M. A. Kozhebaev. Vest. sel'khoz. nauki [Kazakh] 10 no. 5:60-65 My '67.

VETERINARY MEDICINE

Conference on the coordination of scientific research work in veterinary medicine. I. V. Poddubskii, G. F. Kromynov. Vest. sel'khoz. nauki 12 no. 5:156-157 Fy '67.

VETERINARY MEDICINE—BIBLIOGRAPHY see Bibliography—Veterinary medicine

VETERINARY MEDICINE AS A PROFESSION

A veterinarian. V. Shvilekov. V mire knig 7 no. 2:24 '67.

VIBRATION

Calculating vibrations of systems having sections on an elastic foundation. L. N. Andreev, V. A. Troitskii. Prikl. mekh. 3 no. 5:18-16 My '67.
Interference of harmonics in nonlinear vibrating systems. V. P. Kabanik. Mashinovedenie no. 3:36-43 My-Je '67.
New method for determining dynamic reactions and torsional vibrations. I. U. M. Matzel. Izv. vys. ucheb. zav. im. shostak. no. 3:38-43 '67.
Vibrations of nonlinear conservative systems with several degrees of freedom. N. G. Bondar'. Prikl. mekh. 3 no. 5:1-8 My '67.

VIBRATION—MEASUREMENT

Burago, A. N., ed. [Equipment for measuring vibration parameters] Apparatura dlia izmerenia parametrov vibratsii. Leningrad, 1967. 47 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy Nauchno-tekhnicheskii opyt. Seriya Uluchshenie kachestva, poyshtenie nadezhnosti i dolgovechnosti mashin, priborov, elektronnoi i radioelektronoii apparatury)

VIBRATION—PHYSIOLOGICAL EFFECT

Study of the correlation of the bioelectrical cerebral activity and oxygen consumption under vibration effects. L. D. Lukhanova, E. P. Kazanskaia. Fiziol. zhur. 53 no. 5:563-570 My '67.

VIBRATION (MARINE ENGINEERING)

Plyon, I. D., A. L. Bespalov, and V. A. Zhukharev. [Instruments for testing the strength and vibration of ships, recording and tensiometric equipment. A reference manual] Pribyori dlia ispytaniia prochnosti i vibratsii sudov, registrirulushchiesia i tensiometricheskaya apparatura. Spravochnoe posobie Leningrad, Sudostroenie, 1967. 198 p.
Vibration testing of a fiber glass hull. V. D. Popov. Sudostroenie 57 no. 2:12-15 F '67.

VIBRATORS

Dynamics of one-mass vibrating conveyors with a hydraulic shock absorber in the drive taking into consideration the dissipation of energy. I. U. P. Fuks. Izv. vys. ucheb. zav. gos. zhur. 9 no. 1:113-117 '66.

Features of resonating using mechanical reverberators. I. A. Indin. Tekh. kino i telev. 11 no. 4:19-23 Ap '67.

Interuniversity Conference on Theory and Practice of Using Vibratory Percussion Machines for Well Drilling. A. M. Ashvaskii. Izv. vys. ucheb. zav., net. i gaz. 9 no. 11:32 '66.

Sinking the bore into the ground under the effect of a pneumatic vibratory hammer. I. A. Lozovskii. Trudy TSNIMESKII 3:305-311 '64.

Using vibration in the process of liquid metal die casting. V. I. Kuchkin, S. K. Kantenk. Lit. proizv. no. 4:3-4 Ap '67.

VCHUGA (IVANOVO PROVINCE)—CRIME PREVENTION

On nonsalaried editorial staff. I. U. Rumiantsev. Sov. iust. 31 no. 9:8 My '67.

VIETNAM—COMMUNIST YOUTH

Union of the working youth of Vietnam. S. Ataman. Mol. komm. no. 5:120-121 F '67.

VIETNAM, NORTH—CREDIT

The credit system of the Democratic Republic of Vietnam. S. Borodin. Den. i kred. 25 no. 4:75-80 Ap '67.

VIETNAM, NORTH—DESCRIPTION AND TRAVEL

In the Hoa Binh jungle. Monika Warnenska. Nov. vrem. 25 no. 26:29-30 Je '67.
We cannot stop life! Notes of an observer. E. Glazunov. Agitator 35 no. 11:52-53 Je '67.

VIETNAM, NORTH—PHYSICAL GEOGRAPHY

Physico-geographical regionalization of the Democratic Republic of Vietnam. V. G. Zavriv. Izv. AN SSSR geog. no. 3:17-22 My-Je '67.

VIETNAM, NORTH—VETERANS, DISABLED—EMPLOYMENT

In the Democratic Republic of Vietnam. E. Glazunov. Sots. obesp. 42 no. 5:80-83 My '67.

VIETNAM, SOUTH—DESCRIPTION AND TRAVEL

In South Vietnam. Mezhdunar. zhizn' 14 no. 6:115-124 '67.

VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN see Vietnamese War

VIETNAMESE WAR

Accomplices of aggression. Mezhdunar. zhizn' 14 no. 6:62-67 '67.
Before the rainy season. A. Leont'ev. Nov. vrem. 25 no. 18-10 Je '67.
Cooperators of the world express their solidarity with the people of Vietnam. A. Fomin. Sov. potreb. koop. 11 no. 4:56-58 Ap '67.
The dead end of escalation; a review of the military action in Vietnam. A. Leont'ev. Nov. vrem. 25 no. 21:4-6 My '67.
In South Vietnam. Mezhdunar. zhizn' 14 no. 6:115-124 '67.
In the Hoa Binh jungle. Monika Warnenska. Nov. vrem. 25 no. 26:29-30 Je '67.
Programmed genocide. Etienne Bougeot. Vsem. prof. dvizh. no. 2:13-17 Mr '67.
A warning to provocateurs. Nov. vrem. 25 no. 24:4-5 Je '67.

VIETNAMESE WAR—FOREIGN PUBLIC OPINION

A resolution on Vietnam. Part. zhizn' no. 11:77-78 Je '67.

VILKOVO (UKRAINE)

Merakhtia, A. L. Vilko. [2 ed. Odessa, Maik. 1965] 61 p.

VILLAGES see subdivision under Tara Valley (Ozer Province)

VILNIUS—AUXILIARY POLICE

Auxiliary police. Izv. Viln. 11 no. 1:43-51 Ja '67.

VILNIUS—MEAT INDUSTRY—MANAGEMENT

Preparing for the national festival. A. P. 11 no. 1:43-51 Ja '67.

VILNIUS—RADIO, MILITARY—STUDY AND TEACHING

Trained by personal example. A. P. 11 no. 1:43-51 Ja '67.

VILYUY VALLEY—GAS, NATURAL—GEOLOGY

Fraddin, G. S. [Geology and prospects for finding oil and gas in the western part of the Vilyuy syncline] Geologicheskoe stroenie i perspektivy neftegazovoi zapadnoi chasti Viliuskoi streklizy. Moskva, Nauka, 1957. 202 p.

VILYUY VALLEY—GEOLOGY, STRUCTURAL

Deep structure of the south of the Vilyuy syncline based on data of gravimetric and aeromagnetic surveys. A. V. Leptsiig, O. K. Litarenko, V. R. Melnik. Vest. AN Uz. SSR 4 Geol. 22 no. 2:112-124 My-Je '67.

VILYUY VALLEY—GEOPHYSICS

Deep structure of the south of the Vilyuy syncline based on data of gravimetric and aeromagnetic surveys. A. V. Leptsiig, O. K. Litarenko, V. R. Melnik. Vest. AN Uz. SSR 4 Geol. 22 no. 2:112-124 My-Je '67.

VILYUY VALLEY—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Study of gnats and measures of protection against them in the area of diamond mines and construction of the Vilyuy Hydroelectric Power Plant in the Sakha A. S. S. R. Report No. 2. A. A. Fetisov and others. Vest. AN Uz. SSR 4 paraz. bol. 36 no. 3:12-19 My-Je '67.

VILYUY VALLEY—PETROLEUM GEOLOGY

Fraddin, G. S. [Geology and prospects for finding oil and gas in the western part of the Vilyuy syncline] Geologicheskoe stroenie i perspektivy neftegazovoi zapadnoi chasti Viliuskoi streklizy. Moskva, Nauka, 1957.

VIMBA see subdivision under Pelpus, Lake

VINCANNE—PHYSIOLOGICAL EFFECT

Pathology and histochemistry of the internal organs and the picture of the peripheral blood of rabbits subjected to prolonged administration of 100 mg. chloromethylene. V. P. Tikhonov. Vest. AN Uz. SSR 23 no. 8:27-29 '66.

VINE CROPS—FERTILIZERS AND MANURES see subdivision under Alma-Ata Province

VINNITSA—BAKERYES—WATER SUPPLY

Automatic preparation of continuously discharged water of a given temperature. E. T. Tkachenko. Khib. i kond. prom. 11 no. 5:32-33 My '67.

VINNITSA—OILSEED INDUSTRY

Vinnitsa Oil and Fat Combine. K. S. Den. 11 no. 1:43-51 Ja '67.

VINNITSA PROVINCE—COLLECTIVE FARMS—COSTS

Basic indices and determining the level of agricultural intensification. T. Starozhuk. Ekon. Raj. Ukr. 10 no. 5:63-69 My '67.

VINOKUROV, YEVGENII MIKHAILOVICH, 1925-

Evgenii Vinokurov's lyric poems. M. F. P'lynykh. Uch. zap. Koir. gos. ped. inst. no. 9:184-184 '63.
Poetry and truth. Vladimir Shoshin. Otkritiia 44 no. 2:196 F '67.

VINOKUROV, MIKHAIL ALEKSANDROVICH, 1887-

Mikhail Aleksandrovich Vinokurov's 80th birthday. Pochovedenie no. 4:160-161 Ap '67.

VINYL ACETATE POLYMERS

Electron paramagnetic resonance spectra of polyvinyl acetate-base semiconductors. A. D. Griashina, F. A. Vaks, N. A. Bakh. Kin. i kat. 8 no. 2:394-398 Mr-Je '67.
Synthesis and properties of some polycondensed systems based on polyvinyl acetate. V. V. Pen'kovskii. Izv. N. P. Izhmashuk, Z. A. Tkachenko. Vysokom. soed. Ser. A 8 no. 4:739-743 Ap '67.

VINYL ALCOHOL POLYMERS

Antibiotics in polyvinyl alcohol films for the treatment of infectious diseases of the eyes. I. U. F. Malchuk. Antibiotiki 12 no. 5:432-435 My '67.

VOCATIONAL EDUCATION (Continued)

Cooperation of vocational and evening schools. G. Brailov. Prof.-tekh. obr. 21 no 110 Ap '67.

Revision of the material into themes, subthemes, and lessons. M. Rylov. Prof.-tekh. obr. 21 no 117 Mi '67.

Additional psychology. Prof.-tekh. obr. 21 no 111 Ap '67.

First steps of Soviet vocational schools. V. G. Prof.-tekh. obr. 21 no 102-27 O '66.

Important and significant objectives. Prof.-tekh. obr. 21 no 101-2 O '66.

In the State Committee for Vocational and Technical Education of the Council of Ministers of the U.S.S.R. Prof.-tekh. obr. 21 no 320 Mi '67.

Interesting and instructive. A. Lamm. Prof.-tekh. obr. 21 no 321-5 Mi '67.

Mental problem solving by maintenance fitters and some demands of vocational training. M. E. Sennikov. Sov. inzh. yed. nauk. no 4:142-148 '65.

Methodological study rooms in industrial enterprises. V. Aliev. Prof.-tekh. obr. 21 no 102 O '66.

Methodology of theoretical courses. V. Zavitinov. Prof.-tekh. obr. 21 no 118-19 Mi '67.

Psychological and vocational education. M. Skalkin. Sov. inzh. yed. nauk. no 5:18-20 Mi '67.

Principal characteristics of group instruction. Prof.-tekh. obr. 21 no 120 Ap '67.

Stimulate organization of work in the educational process. M. Zolotarev. Prof.-tekh. obr. 21 no 36-8 Mi '67.

Showing flexibility. I. Tomakov. O. Oltarzhenskaya. Prof.-tekh. obr. 21 no 118 Ap '67.

An urgent necessity. M. Vorotnikov. Prof.-tekh. obr. 21 no 318-19 Mi '67.

A vocational plan knowledge. M. Maksimenko. Prof.-tekh. obr. 21 no 318 Ap '67.

We remember the resolutions of the party. Prof.-tekh. obr. 21 no 102-3 O '66.

VOCATIONAL EDUCATION—BIBLIOGRAPHY. see Bibliography—Vocational education

VOCATIONAL GUIDANCE

A book of good advice. R. I. Mittelman. Rad. shk. 46 no 5:13-14 Mi '67.

Vocational and technical schools and the choice of a vocation. N. Pantov. Prof.-tekh. obr. 21 no 19-10 Ap '67.

Vocational guidance work in school study groups. I. A. M. Mingulov. Sov. inzh. yed. nauk. no 9:74-77 S '66.

Vocational orientation in important work. L. Botikova. A. Shibanov. Sov. pedagog. 31 no 5:157-158 Mi '67.

Vocational orientation work in schools. L. L. Kondrat'eva. Sov. inzh. yed. nauk. no 11:7-7 Ap '67.

We are teaching how to choose a vocation. P. I. Saranov. Rad. shk. 46 no 5:10-13 Mi '67.

Working occupations. A. Malinov. V. Kuznetsov. Prof.-tekh. obr. 21 no 102-5 O '66.

VOCATIONAL REHABILITATION

(see also subdivision under Mogilev; Shakhly; Rostov Province)

Academic year is coming to an end. V. Botikova. Sov. shk. 42 no 5:38-40 Mi '67.

VOI, VOISKA, VLADISLAV VLADISLAVOVICH, 1917-1967. Vladislav Vladislavovich Voevodskii. Zhur. strukt. khim. B. no 2:107-108 Mi-Ap '67.

VOICE OF AMERICA (RADIO PROGRAM)

Means of American foreign propaganda. V. Shimanovskii. M. zhurnal. zhizn' 14 no 5:102-106 '67.

VOICANIC ASH, TUFF, ETC. see subdivision under Russian Platform; Uzbekistan

VOLCANOES

(see also subdivision under Arabia; Armenia; Kola Peninsula; Kurile Islands; Zhamshi Valley)

Lebedinskii, V. I. [Volcanoes and man] Vulkany i chelovek. Moskva, Nedra, 1957, 202 p.

VOLCHIKHA REGION (ALTAI TERRITORY)—FLOUR MILLS

Volchika flour Mill introduced pneumatic transportation. M. Babunkin. Muk.-elev. prom. 33 no 5:18 Mi '67.

VOL'FKOVICH, SEMEN ISAAKOVICH, 1896-

Semen Isakovich Vol'fkovich: on the 70th anniversary of his birth. Tem. osnovy khim. tekhn. 1 no 1:140-141 Ja-I '67.

VOLGA-BALTIC SEA WATERWAY—FLOODS

High water of 1966 in the Volga-Baltic Sea Canal. T. P. Reibung. Rech. transp. 26 no 4:42-43 '67.

VOLGA-BALTIC SEA WATERWAY—NAVIGATION

Performance of cargo motor ships of the design no 676 on the Volga-Baltic Sea waterway. E. Bogatov. Rech. transp. 26 no 4:47 '67.

VOLGA DELTA—ELECTRIC FISHING

Electric fishing in the Volga Delta. V. N. Lukashov. V. V. Usachev. Trudy VNIRO. 61:159-171 '66.

VOLGA DELTA—NAVIGATION

Problems of navigation in the Volga Delta. V. Mostov. Rech. transp. 26 no 3:51 '67.

VOLGA HILLS—SOILS, SALTS IN

Characteristics of the salinization of soils in the Volga Hills. I. U. A. Slavya. Z. N. Kauricheva. Pochvovedeni. no 5:121-130 Mi '67.

VOLGA RIVER—BENTHOS

Benthos in Gorky, Kuybyshev and Volgograd Reservoirs. S. M. Iankhov. Gidrobiol. zhur. 3 no 3:12-47 '67.

VOLGA RIVER—SHIPPING

On the way to a reform. M. Kheifets. E. Tsivkov. Rech. transp. 26 no 4:19-21 '67.

VOLGA RIVER—SHIPPING—ECONOMIC ASPECTS

Ways of increasing the profitability of a shipping company. M. Kheifets. Rech. transp. 26 no 3:9-10 '67.

VOLGA RIVER—TOWING

Prospective type of pusher tug trains of the Greater Volga River. B. Bogdanov. I. Pushkayev. V. Nesterov. Rech. transp. 26 no 3:15-16 '67.

VOLGA-URAL PETROLEUM REGION see Second

Baku

VOLGA-URAL REGION—GAS, NATURAL—GEOLOGY

Oil and gas potential of the Ural-Volga interfluvium. T. N. Dzhumagaliev and others. Vest. AN Kazakh SSR. 23 no 1:57-60 Ap '67.

VOLGA-URAL REGION—PETROLEUM GEOLOGY

Oil and gas potential of the Ural-Volga interfluvium. T. N. Dzhumagaliev and others. Vest. AN Kazakh SSR. 23 no 4:57-60 Ap '67.

VOLGA VALLEY—AUTONOMOUS REPUBLICS

An out-of-town session of the Bureau of the Department of History of the Academy of Sciences of the U.S.S.R. in Ufa. V. P. Chernov. Vop. ist. 12 no 5:132-137 Mi '67.

VOLGA VALLEY—BOTANY

Notes on modern natural distribution of some higher plant species in the Volga Valley near Kostanov. M. P. Stobodan. Ukr. bot. zhur. 24 no 3:81-87 My-Je '67.

VOLGA VALLEY—ECONOMIC CONDITIONS

Studying the historical experience of the transition of the peoples of the Volga Valley to socialism. I. D. Kuznetsov. Uch. zap. CHIMMIR. no 2:127-134 '65.

VOLGA VALLEY—ECONOMIC GEOGRAPHY

Dolgoplov, K. V., and E. F. Fedorova. [Volga Valley; outline of economic geography. Manual for teachers] Povolzh'e, ekonomiko-geograficheski ocherk. Posobie dlia uchitelei. Moskva, Prosveshchenie, 1967. 205 p., map (insert).

VOLGA VALLEY—GAS, NATURAL—GEOLOGY

Balaev, V. A., ed. [Materials on geology and geophysics of oil- and gas-bearing areas in the Ural position of the Volga Valley and Western Siberia]. Materialy po geologii i geofizike neftegazonosnykh oblastei Uralo-Povolzh'ia i Zapadnoi Sibiri. [Saratov] Izd-vo Saratovskogo univ., 1966. 311 p.

VOLGA VALLEY—GEOLOGY

Relationship between geological and geomorphological phenomena, as revealed by a study made in the lower Volga Valley. V. G. Kamyshova-Elpat'evskaya. Uch. zap. P.d. inst. Gerts. 290:43-54 '66.

VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC

Division of Jurassic sediments in the central part of the Ural-Volga interfluvium. T. N. Dzhumagaliev and others. Izv. AN Kazakh SSR Ser. geol. 24 no 3:39-13 My-Je '67.

VOLGA VALLEY—GEOLOGY, STRUCTURAL

Tectonic zoning and recent movements in lower Volga Valley. L. N. Rozanov, A. V. Tsygankov, V. M. Aleshin. Trudy VNIIG. no 3:238-251 '65.

VOLGA VALLEY—GEOMORPHOLOGY

Relationship between geological and geomorphological phenomena, as revealed by a study made in the lower Volga Valley. V. G. Kamyshova-Elpat'evskaya. Uch. zap. P.d. inst. Gerts. 290:43-54 '66.

VOLGA VALLEY—INDUSTRIAL MANAGEMENT

From the history of the creation of organs of industrial management in the central Volga Valley in 1918. V. V. Kazukhin. Uch. zap. Ulan gos. ped. inst. 22:75-125 '66.

VOLGA VALLEY—MAJOLICA

Polychrome majolica of the Volga Valley. V. V. Usachev. Trudy VNIRO. 61:159-171 '66.

VOLGA VALLEY—NATIONALITIES

Studying the historical experience of the peoples of the Volga Valley. Uch. zap. CHIMMIR. no 2:127-134 '65.

VOLGA VALLEY—PETROLEUM GEOLOGY

Balaev, V. A., ed. [Materials on geology and geophysics of oil- and gas-bearing areas in the Ural position of the Volga Valley and Western Siberia]. Materialy po geologii i geofizike neftegazonosnykh oblastei Uralo-Povolzh'ia i Zapadnoi Sibiri. [Saratov] Izd-vo Saratovskogo univ., 1966. 311 p.

VOLGA VALLEY—PHYSIOLOGY—COMPLEXES

4th Volga Valley Physiological Conference. M. V. Sergiyev. Trudy VNIIG. no 3:287-309 '65.

VOLGA VALLEY—VIEWS

Urin, Valentin. [The Volga Valley. Moskva, Sov. khudozhnik. 1964] 148 p. (chiefly illus.)

VOLGIN, IGOR

Concerning facts. Igol' Volgin. Obyed. 44 no 3:20-21 Mi '67.

VOLGOGRAD—C LERKS (RETAIL TRADE)

Behind the counter of department stores. Z. S. Part. zhizn'. no 11:40-42 Ja '67.

VOLGOGRAD—PENSIONS—AUDITING AND EXPERTISE

One should think. P. Shrepshtin. Srts. obr. p. 42 no 5:28-29 My '67.

VOLGOGRAD PROVINCE—AGRICULTURE

Instructors of the district party committee. V. Tolstov. Part. zhizn'. no 10:45-49 Mi '67.

VOLGOGRAD PROVINCE—ARCHIVISTS

Articles of Volgograd Province archivists published in newspapers and periodicals. G. I. Gribanov. Arkh. no 2:81-86 '67.

VOLGOGRAD PROVINCE—COMMUNIST EDUCATION

Instructors of the district party committee. V. Tolstov. Part. zhizn'. no 10:45-49 Mi '67.

VOLGOGRAD PROVINCE—GAS, NATURAL—GEOLOGY

Evaluation of oil and gas prospects in Mesozoic and Cenozoic sediments in the Volga Valley portion of Volgograd Province. G. M. Avanshian, A. F. Lang, et al. Trudy VNIIG. no 3:132-150 '65.

New data on stratigraphy and prospects for oil and gas occurrences in Permian and Triassic sediments of Volgograd Province. Trudy VNIIG. no 3:112-111 '65.

Regency quartz as indicator of oil and gas potential of sandy beds. A. V. Smirnov. Trudy VNIIG. no 3:151-163 '65.

Search prospects for buried uplifts in Volgograd Province. A. A. Aksekov, L. I. Banderovich. Trudy VNIIG. no 3:265-273 '65.

VOLGOGRAD PROVINCE—GEOLOGY, STRATIGRAPHIC

Effect of depth of occurrence on reservoir properties of terrigenous rocks in Devonian of Volgograd Province. P. A. Karpov. Trudy VNIIG. no 3:59-80 '65.

VOLGOGRAD PROVINCE—GEOLOGY, STRUCTURAL

Mesozoic and Cenozoic structure of Volga Valley portion of and its relation to Devonian regional structural plan. I. A. Sh. Shafirov, G. M. Avanshian. Trudy VNIIG. no 3:206-231 '65.

Recent tectonics in Don River Bend. A. V. Tsygankov, V. M. Aleshin. Trudy VNIIG. no 3:232-259 '65.

Structure of western margin of Caspian Trough. G. A. Brazhnikov and others. Trudy VNIIG. no 3:181-199 '65.

Tectonic structure of southern end of Don-Medveditsa Swell. L. G. Kny. Trudy VNIIG. no 3:200-205 '65.

Tectonic structure of western framing of Caspian Lowland in Volga Valley portion of Volgograd Province. I. U. M. L'vovskii. Trudy VNIIG. no 3:232-237 '65.

Tectonic zoning of Volgograd Province. G. A. Brazhnikov and others. Trudy VNIIG. no 3:164-180 '65.

Tectonics of the Saratov-Volgograd portion of the Volga Valley. L. E. Levin. Izv. AN SSSR Ser. geol. no 5:103-110 My '67.

VOLGOGRAD PROVINCE—GRAIN

"Guardsmen" of the fields. M. Detisov. Agitator. 35 no 10:48-49 My '67.

VOLGOGRAD PROVINCE—OIL RESERVOIR ENGINEERING

Methodology of comprehensive study of carbonate reservoirs and some results of its use in Volgograd Province. V. S. Lavrent'eva, A. S. Pestrikov, A. I. A. Fursov. Trudy VNIIG. no 3:287-309 '65.

- VOLOGDA PROVINCE—OIL WELL CEMENTING**
The effect of gas pressure on the cementing of oil wells. Trudy VNIIG no 3 32-33 '67
- VOLOGDA PROVINCE—PALEONTOLOGY, STRATIGRAPHY**
On the paleontology and stratigraphy of Vologda Province. VNIIG no 3 33-34 '67
On the paleontology and stratigraphy of Carboniferous in Vologda Province. VNIIG no 3 34-35 '67
On the paleontology and stratigraphy of Permian in Vologda Province. VNIIG no 3 35-36 '67
On the paleontology and stratigraphy of Triassic in Vologda Province. VNIIG no 3 36-37 '67
On the paleontology and stratigraphy of Jurassic in Vologda Province. VNIIG no 3 37-38 '67
On the paleontology and stratigraphy of Cretaceous in Vologda Province. VNIIG no 3 38-39 '67
- VOLOGDA PROVINCE—PETROLEUM**
On the geology and prospecting of oil and gas in Vologda Province. VNIIG no 3 39-40 '67
- VOLOGDA PROVINCE—PETROLEUM—ANALYSIS**
On the analysis of oil and gas in Vologda Province. VNIIG no 3 40-41 '67
- VOLOGDA PROVINCE—PETROLEUM GEOLOGY**
On the geology of oil and gas in Vologda Province. VNIIG no 3 41-42 '67
- VOLOGDA PROVINCE—PROSPECTING**
On the prospecting of oil and gas in Vologda Province. VNIIG no 3 42-43 '67
- VOLOGDA PROVINCE—RADIOACTIVE PROSPECTING**
On the radioactive prospecting of oil and gas in Vologda Province. VNIIG no 3 43-44 '67
- VOLOGDA PROVINCE—ROCKS, CARBONATE—ANALYSIS**
On the analysis of carbonate rocks in Vologda Province. VNIIG no 3 44-45 '67
- VOLOGDA PROVINCE—ROCKS, SEDIMENTARY—PERMEABILITY**
On the permeability of sedimentary rocks in Vologda Province. VNIIG no 3 45-46 '67
- VOLOGDA PROVINCE—SOILS—BORON CONTENT**
On the boron content of soils in Vologda Province. VNIIG no 3 46-47 '67
- VOLOGDA PROVINCE—SOILS—MANGANESE CONTENT**
On the manganese content of soils in Vologda Province. VNIIG no 3 47-48 '67
- VOLOGDA PROVINCE—SPORES (BOTANY), FOSSIL**
On the fossil spores in Vologda Province. VNIIG no 3 48-49 '67
- VOLOGDA PROVINCE—VOCATIONAL EDUCATION**
On the vocational education in Vologda Province. VNIIG no 3 49-50 '67
- VOLOGDA PROVINCE—WATER, UNDERGROUND**
On the underground water in Vologda Province. VNIIG no 3 50-51 '67
- VOLOGDA RESERVOIR—METEOROLOGY, MARITIME**
On the meteorology and maritime in Vologda Reservoir. VNIIG no 3 51-52 '67
- VOLLEYBALL**
Zhelezniak, Yu. D., N. N. Kleshchev, and O. S. Chel'kov. [Training young volleyball players, textbook for (trainers of children's and adolescent sports collectives) Podgotovka lungh voleibolizov, uchebnoe posobie dlia trenerov det'skikh i iunosheskiikh sportivnykh kolektivov. 2 izd., 168 p. Moscow, Fizkul'tura i sport, 1967. 292 p.
- VOLOGDA PROVINCE—BUTTER**
In defense of the Vologda butter. A. Belov. Zakup. sel'khoz prod no 5 17-20 My '67
- VOLOGDA PROVINCE—CEMENT INDUSTRY WORKERS—EDUCATION AND TRAINING**
A school and a plant. N. V. Davydova. Vech. red shkola 10 no 3 22-23 M.-Je '67
- VOLTAGE DIVIDERS**
Methods for adjusting the resistors of DN-62 voltage divider, determination of division factors and their errors. S. A. Andruslav and others. Kontr. izm. tekhn no 3 58-66 '66
- VOLTMETER**
Reversible decimal counter of impulses for the integrating digital voltmeter. N. M. Gopshstein, V. N. Kron, V. P. Laptev. Opt. mekh. prom 34 no 5 24-25 My '67
- VOLUME (MATHEMATICS)**
Some problems in the determination of volumes of bodies bounded by topographic surfaces. B. S. Khel'fets. Izv. v. uchb. zav., geod. i aerof. no 5 31-36 '66
- VOLYN' PROVINCE—BANKS AND BANKING**
Control over the disbursement of wages in mines. F. Zabelinski. Den. kred. 25 no 5 56-58 My '67
- VOLYN' PROVINCE—FORESTS AND FORESTRY**
Forests of the Volyn' forest plateau. A. L. Kuz'mychev. Ukr. bot. zhur. 24 no 2 61-66 Mr.-Ap '67
- VOLYN' PROVINCE—TEACHING**
Educational power of lessons. I. A. Ilyushin. Rad. shk. 46 no 5 29-32 My '67
- VOLYN'SKII, ZINOVII MOISEEVICH, 1897-**
Zinovii Moiseevich Volyn'skii, on his 70th birthday. Voen.-med. zhur. no. 5 68-69 My '67
- VOROB'EV, ARKADII NIKITOVICH, 1924-**
Power and wisdom. D. Ivanov. V mire knig 7 no 2 16-17 '67
- VORONEZH—INDUSTRIES**
40th anniversary of the Voronezh Oil Combine. S. A. Zaichkin. Masl. zhur. prom 33 no. 3 33-34 Mr '67
- VORONEZH—WHOOPING COUGH**
Epidemiological characteristics of the incidence of whooping cough in Voronezh during 1946-1965. L. F. Sharipova. Zhur. mikrobiol., epid. i imm. 44 no 5 140-141 My '67
- VORONEZH MASSIF—GEOLOGY, ECONOMIC**
Prospects of oil and gas occurrence in south-southeastern subsequence of Voronezh massif and northern margin of Donets Basin. G. V. Dement'eva. Geol. nefli i gaza 11 no 4 38-42 Ap '67
- VORONEZH MASSIF—GEOLOGY, STRATIGRAPHIC**
Lithologic characteristics of and conditions of sedimentation in Tournaisian sediments in southeastern slope of Voronezh Massif. G. M. Larikov. Trudy VNIIG no 3 81-92 '65
- VORONEZH PROVINCE—AGRICULTURE**
Progressive experience should serve as law. A. Samoilenko. Agitator no. 4 43-45 F '61
- VORONEZH PROVINCE—AGRICULTURE—ECONOMIC ASPECTS**
Restoration of the village. A. Glukhov, N. Kolychev. Ekon. sel'khoz. 42 no 5 49-53 '67
- VORONEZH PROVINCE—PHILOLOGY**
Voronezhskii gosudarstvennyi universitet. [Philological studies; based on the materials of Voronezh Province] Filologicheskie ocherki; po materialam Voronezhskogo kraia. Voronezh, 1966. 202 p. (CaOTU)
- VORONEZH PROVINCE—STATE FARMS**
The first state farm organized by the Komsomol. K. F. Frolova. Sov. arkh. no 2 93-94 '67
- VOROSHILOVGRAD** see Lugansk
- VOROSHILOVGRAD PROVINCE** see Lugansk Province
- VOROSHILOVGRAD, ARSENI VASILEVICH**
True stories of the Great Patriotic War. V. Naumov. V mire knig 7 no 2 8-9 '67
- VORSKLA VALLEY—ANTIQUITIES**
Kovpanenko, H. T. [Tribes of the Scythian period on the Vorskla] Plemena skifskogo chasu na Vorskli. Kyiv, Naukova dumka, 1967. 185 p.
- VORTEX MOTION**
Theory of the motion of a vortical ring by the force of gravity. Rise of an atomic cloud. A. T. Omuriev. PMTF no 2 3-15 Mr.-Ap '67
Vortexes in the plane gas dynamic wake beyond the cylinder. O. M. Kuznetsov, S. G. Popov. Izv. AN SSSR, Mekh. zhid. i gaza no. 2 112-113 Mr.-Ap '67
- VOYAGES AND TRAVEL**
Along the meridians and parallels. A. Glukhov. V mire knig 7 no 2 14-15 '67
Nekrasov, V. P. [Travels in various dimensions] Puteshestviia v raznykh izmereniiakh. Moskva, Sov. pisatel', 1967. 437 p.
- VOZNESENSK (NIKOLAYEV PROVINCE)—CONSTRUCTION INDUSTRY**
The opinion of the Voznesensk District Party Committee. Agitator no 5 57-59 Mr '61
- VREDEN, ROMAN ROMANOVICH, 1897-1934**
Centennial of R. R. Vreden's birth. V. S. Balakina. Voen. khir. 98 no. 4 141-143 Ap '67
- VUKTYL GAS CONDENSATE FIELD—GEOLOGY**
Vuktyl gas condensate field in the Komi A.S.S.R. A. I. A. Krems, B. I. A. Vasserman, N. I. Litvinenko. Geol. nefli i gaza 11 no 5 39-44 My '67
- VULCANIZATION**
Improvement of a vulcanization apparatus. G. Nazhniko. Tekhn. sel'khoz. no. 4 78 '67
- VULCANIZATION—EQUIPMENT AND SUPPLIES**
Device for the vulcanization of cables and inner tubes. A. M. Kaptelevich. Ogneupoiy 32 no 5 61 '67
- VYCHEGDA VALLEY—MINERALS**
Mineralogical composition of Quaternary sediments in the Pechora and upper Vycheгда Valleys. T. M. Lavrova. Vest. Mosk. un. Ser. 4 Geol. 22 no. 2 131-137 Mr.-Ap '67
- WAGES**
(see also subdivision under Ukraine)
An hourly-bonus wage system and the regulation of its increase. I. I. Petrova. Vest. LGU 22 no. 5 36-43 Mr '67.
The reform and material incentives. Sov. profsoyuzy 27 no. 8 10-12 Ap '67.
- WAGES—AGRICULTURAL MACHINERY INDUSTRY** see subdivision under Odessa
- WAGES—CLOCKMAKING AND WATCHMAKING** see subdivision under Moscow
- WAGES—COAL MINERS**
Organization of work and wages of workers in stopes. L. F. Zenkov. Nauch. trudy Perm. univ. no. 7 226-230 '64.
- WAGES—COAL MINES AND MINING** see subdivision under Lvov-Volyn' Basin
- WAGES—COLLECTIVE FARMS** see subdivision under Gorkiy Province; Moldavia
- WAGES—CONSTRUCTION INDUSTRY** see subdivision under Chirchik
- WAGES—INLAND WATER TRANSPORTATION**
New regulations on bonuses for engineers, technicians, and employees. Mor. flot 27 no 4 39 Ap '67.
- WAGES—LONGSHOREMEN**
Concerning material incentives for port workers. A. Cherkashin. Mor. flot 27 no. 6 17 My '67.
- WAGES—MERCHAND MARINE**
New regulations on bonuses for engineers, technicians, and employees. Mor. flot 27 no 4 39 Ap '67.
- WAGES—NONMANUFACTURING INDUSTRIES**
[Wages for workers of the nonproductive area] Zarabotnaya plata rabotnikov neproizvodstvennoi sfery. Moskva, Ekonomika, 1967. 143 p.
- WAGES—PETROLEUM WORKERS**
Distributing bonuses to Petroleum Production Administration workers for annual work results. L. N. Tikhonova. Org. i upr. nefteob. prom. no. 3 21-24 '66.
- WAGES—TABLES AND READY RECKONERS**
Besmertnyi, L. L. [Tables for computing payment for leave and compensation for the unused leave] Tablitsy dlia rachisleniya oplyat za otpusk i kompensatsii za nepis'zovannyi otpusk. Moskva, Statistika, 1967. 30 p.

WAGES—TABLES AND READY RECKONERS (Continued)

Garkusha, A. V., and V. I. Skiba. [Tables for computing workers' and employees' wages for the period of leave or compensation for the unused leave] *Tablitsy dlia ischisleniya zarabotka rabochikh i sluzhbashekh za vremia otpuska ili kompensatsii za neispol'zovannyi otpusk.* [L'vov] Izd-vo L'vovskogo univ., 1967. 185 p.

WAGES AND LABOR PRODUCTIVITY

Problems demanding solution. A. Gal'perin, L. Meerovich *Plan. khoz.* 44 no. 5:50-54 Je '67.
Some problems of economic reform in a branch. P. Trisudov. *Plan. khoz.* 44 no. 5:54-60 Je '67.

WAB

V. I. Lenin on the correlation between wage and policy T. Kondratov *Komm. Voen. zh.* 18 no. 10:9-16 My '67

WAR—ECONOMIC ASPECTS

Present-day war and economy. I. U. Vlas'evich *Komm. Voen. zh.* 18 no. 12:27-23 Je '67

WAR AND MORALS

Courage of understanding. A. Mikhailevich *Mol. komm.* no. 5:18-20 '67.

WAR MEMORIALS

Your deeds are immortal. I. U. Pashnev. *Sov. voen.* 40 no. 3:26-27 P '67.

WAR IN MOTION PICTURES

Loyalty of duty. N. Maksimova *Sov. voen.* 10 no. 11:32 Je '67

WARRIE FLIES—EXTERMINATION

Escatidins for the summer spraying of reindeer against warble flies. D. V. Savol'ov. *Trudy Nauch.-issl. inst. sel'khoz. Khim.* 5, 13:57-66 '66.

Use of isothionetophos-3 against warble fly larvae. I. U. M. Krasnaya. *Khim. v sel'khoz.* 5 no. 5:58-59 '67.

WAREHOUSE

Improved method for determining the required capacity of port warehouses. L. P. Andonov. *Mos. por. nauch. trudy* no. 2:10-12 '66

Moisture conditions in transport warehouses. V. K. Kozlov. *Mos. por. nauch. trudy* no. 2:20-30 '66

WAREHOUSES—DESIGN AND CONSTRUCTION

Designing general supply bases. G. Bukhtam. *Mat.-tekh. snabzhenie* 2 no. 8:28-34 My '67

Russkii (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] *Stroitel'nye normy i pravila.* Moskva, Stroitzdat.

Pl. 2, Sec. P. Ch. 1. [Warehouses and general-purpose structures; design standards] *Skladskie zdaniya i sooruzheniya obshchego naznacheniya; normy proektirovaniya.* SNIP II-P.1-82. 1964. 7 p.

WAREHOUSES—MANAGEMENT see subdivision under Margolan (Uzbekistan)

WAREHOUSES—MECHANIZATION

Segal, I. S. [Automated multiple-nomenclature warehouses of packaged and piece goods] *Avtomatizirovannye mnogonomenklaturnyye sklady (arinykh i shchitnykh gruzov).* Leningrad, 1967. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Mekhanizatsiya i avtomatizatsiya transportnykh i skladnykh rabot v promyshlennosti)

WAREHOUSES—VENTILATION

Vegetable storehouses with mechanical ventilation. A. Medvedev. *Ty i snab. Sov. Voen. zh.* 27 no. 1:57-59 Ja '67.

WARSAW—WORLD WAR, 1939-1945

Dziembowska, Sabina. [Warsaw diary. Translated from the Polish] *Warszawskii dnevik.* Moskva, Voenizdat, 1967. 184 p.

WARSHIPS

State and development of marine power plants abroad. V. P. Pozdnyakov. *Sudostroenie* 57 no. 2:34-45 F '67.

WARSHIPS—VISITS TO FOREIGN PORTS

Brief news, facts, and finds. *Voen.-isl. zhur.* 9 no. 5:107-110 My '67.

WASHING POWDERS see subdivision under Moscow

WASTE PRODUCTS

Certain problems in dump pile stacking by hydraulic means. A. G. Lutovinov. *Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh.* no. 5:165-169 '65.

Taking into account the movements of dump pile slopes in evaluating their stability. A. M. Gal'perin. *Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh.* no. 5:158-165 '65.

Transportation of rocks into dump piles by throwing. V. V. Rzhavskii, A. A. Lebedkova. *Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh.* no. 5:141-148 '65.

WATER—AERATION

Determining the capacity of aerators of pneumatic water-supply lines. K. Z. Piven. *Nauk. i tekhn. v gor. khoz.* no. 5:165-175 '66.

WATER—ANALYSIS

Some problems in analysis of natural and discharge waters. I. U. Lur'e. *Gidrokhim. mat.* 45:227-238 '67.

WATER—COMPOSITION

(see also subdivision under Aegean Sea, Vanda Lake, Antarctica)

Change in organic composition of reservoirs. V. T. Kaplin. *Gidrokhim. mat.* 45:207-226 '67.

Changes of chemical composition of waters in the rivers of the plains of the European part of the U.S.S.R. resulting from regulation. A. A. Zenin. *Gidrokhim. mat.* 45:21-31 '67.

Chemical nature of organic matter in surface waters. A. D. Semenov. *Gidrokhim. mat.* 45:155-172 '67.

Hydrochemistry of ponds in arid areas. N. V. Veslovskii. *Gidrokhim. mat.* 45:73-88 '67.

Method of studying organic matter in surface waters. A. D. Semenov. *Gidrokhim. mat.* 45:173-178 '67.

Prognosis of mineralization and chemical composition of waters of reservoirs. M. I. Kriventsov. *Gidrokhim. mat.* 45:89-105 '67.

Progress of Soviet hydrochemistry in the field of studying organic matter in natural waters. B. A. Skoptsev, I. A. Goncharova. *Gidrokhim. mat.* 45:133-154 '67.

Studying microelements in surface waters of land. G. S. Kononov. *Gidrokhim. mat.* 45:237-249 '67.

Theoretical bases of physicochemical study of natural waters. V. M. Levchenko. *Gidrokhim. mat.* 45:123-132 '67.

WATER—DIELECTRIC PROPERTIES

Comparison between the dielectric properties of ordinary and heavy water adsorbed on zeolite. B. A. Glazun, M. M. Dubinin, L. V. Zhitnikov. *Izv. AN SSSR Ser. khim.* no. 5:987-990 My '67.

WATER—MICROBIOLOGY see subdivision under Danube River

WATER—OXYGEN CONTENT

Determination of dissolved oxygen in water by polarographic method with the help of solid electrode with electrochemical depolarization. L. V. Kaminskii, A. K. Kaminskii. *Dokl. AN BSSR* 11 no. 4:368-370 AP '67.

WATER—POLLUTION

Does fresh water constitute a problem? V. Kirsanov. *Neftianik* 12 no. 4:34-37 AP '67.

Pollution and self-purification of reservoirs. V. T. Kaplin, N. G. Fesenko. *Gidrokhim. mat.* 45:189-206 '67.

Water protection from pollution. P. N. Shternov. *Priroda* no. 5:116 My '67.

WATER—PURIFICATION

(see also subdivision under Dnieper River; Dzheyran-Baian Lake region; Stavropol Territory)

Comparing the operation of water-supply line and model purification installations. V. S. Besan. *Nauk. i tekhn. v gor. khoz.* no. 5:155-165 '66.

Improved unit for the purification of bilge water. I. Tuv, I. Kalinin. *Rech. transp.* 26 no. 3:48 '67.

Using magnetic treatment of water for improving its purification in clarifiers with a layer of suspended matter. A. I. Shakhov, S. S. Dushkin. *Nauk. i tekhn. v gor. khoz.* no. 5:147-155 '66.

WATER—SPECTRA

Examination of phase transitions in adsorbed water by means of nuclear magnetic resonance. V. I. Kvitzidze, V. F. Kiselev, Zhur. strukt. khim. 8 no. 2:221-226 Mr.-Ap '67.

WATER—THERMODYNAMICS

Samoilov's ice-like model and the thermodynamic properties of water. Examination by the Frank-Quist method. V. A. Mikhailov. *Zhur. strukt. khim.* 8 no. 2:189-194 Mr.-Ap '67.

Theory of the distribution of nonvolatile substances between boiling water and equilibrium steam. D. G. Tshkhravshvili. *Soob. AN Gruz. SSR* 46 no. 2:399-402 My '67.

WATER, UNDERGROUND

(see also subdivision under Bileche-Volitsa Gas Field; Caucasus, Northern; Oodnaya Steppe; Kuban-Azov Lowland; Kurak Magnetic Anomaly; Latvia; Mangyshlak Peninsula; Mugan Steppe; Soviet Central Asia; Transbaikalia; Ugarak Gas Field; Volgograd Province)

Air lift for hydrogeological withdrawal. A. I. Fomin. *Razved. i okh. nedr.* 33 no. 5:54-58 My '67.

Artificial recharge of underground waters. G. V. Barmolov, I. U. G. Bogomolov. *Izv. AN SSSR Ser. geol.* 1 no. 5:145-150 My '67.

Efficient complex of hydrogeological studies during exploratory drilling for oil and gas. I. A. Lebedkova, L. V. Slavanova, V. M. Shvets. *Geol. nefti i gaza* 11 no. 5:44-47 My '67.

Evaluation of the productivity of tank water intakes, taking into account the irregularity of the river flows. F. M. Bochever. *Trudy VODGEO* no. 13:14-15 '65.

Interaction of two water-carrying strata divided by a weakly permeable interlayer. V. A. Vasil'ev. *PMIT* no. 2:152-153 Mr.-Ap '67.

Lowering the level of underground water in the covering of a two-layer aquifer by pumping out from lower pressure level. A. Begmatov. *Izv. AN SSSR, Mekh. i fiz. i gaza* no. 2:288-292 Mr.-Ap '67.

Method for the calculation of underground water intakes and vertical drainage in a semipermeable aquifer. N. Verigin, V. S. Sarkisyan. *Trudy VODGEO* no. 13:115-133 '66.

Movement of ground waters in dipping aquifers. P. A. Kiselev. *Dokl. AN BSSR* 11 no. 4:355-358 Ap '67.

Pools of biogenic nitrogen gas are indicators of vertical migration of oil and underground water. F. I. Siria, spii, G. F. Busel. *Geol. nefti i gaza* 11 no. 4:47-50 Ap '67.

Regulation of underground flow by ice formation. P. A. Lifshits, B. L. Sokolov. *Trudy GGI* no. 130:180-205 '67.

Selecting optimum intervals for tapping productive horizons in gas wells with bottom water. A. I. Tyachuk, R. F. Gumer, E. V. Soletskii. *Gaz delo* no. 4:11-15 '67.

WATER, UNDERGROUND—COMPOSITION

Characteristics of underground waters inclined to the formation of sediments in the vicinity of filter zones of boreholes. V. S. Alekseev. *Trudy VODGEO* no. 13:133-143 '66.

Factors in formation of chemical composition of underground waters. E. V. Posokhov. *Gidrokhim. mat.* 45:107-122 '67.

Natural waters containing deuterium. V. A. Molochkova and others. *Geokhimiya* no. 5:504-508 My '67.

WATER, UNDERGROUND—PURIFICATION

Calculation of air supply to needle filters. V. M. Grigor'ev. *Trudy VODGEO* no. 13:143-158 '66.

Convective diffusion of salts in the radial flow of underground waters in connection with preventing them from polluted flows. F. M. Bochever, A. E. Oradovskaya. *Trudy VODGEO* no. 13:159-180 '66.

WATER FLEAS

(see also subdivision under Atlantic Ocean)

Electric fishing of water fleas. V. P. Bushuev. *Ryb. khoz.* 43 no. 5:18 '67.

WATER HAMMER

Propagation speed of shock pressure in gas-liquid mixtures. V. S. Dikarevskii. *Izv. vys. ucheb. zav., nefti i gaz* 9 no. 11:82-86 '66.

WATER HEATERS

Aerodynamic characteristics of gas flow entraining liquid drops in contact water heaters. A. V. Rachinskii. *Nauch. trudy AKKH* no. 38: Tepl. gor. no. 2:192-201 '65.

Analyzing performance of contact water heaters for heating and hot-water supply systems. E. N. Bukharkin. *Nauch. trudy AKKH* no. 38: Tepl. gor. no. 2:212-225 '65.

Characteristics of heat calculations of contact-surface water heaters. Z. L. Zakharova, A. V. Rachinskii, I. N. Tyckov. *Nauch. trudy AKKH* no. 38: Tepl. gor. no. 2:177-191 '65.

Cooling products of natural gas combustion in contact chambers of water heaters. E. N. Bukharkin. *Nauch. trudy AKKH* no. 38: Tepl. gor. no. 2:202-211 '65.

WATER HEATERS—CORROSION

Methods for reducing the corrosivity of hot water in systems with contact water heaters. S. N. Muromskii, N. G. Dvornikov. *Nauch. trudy AKKH* no. 38: Tepl. gor. no. 2:56-64 '65.

WATER METABOLISM—CONGRESSES

2d Scientific Conference on Water and Salt Metabolism and Function of the Kidneys in Novosibirsk Dedicated to the Memory of A. G. Ginetinskii. I. U. V. Natoshin. *Fiziol. zhur.* 53 no. 5:600-611 My '67.

WATER PIPES—CLEANING

Chemical cleaning of water pipes in circulating water supply systems. V. A. Shestakov, K. I. Koroleva, Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 5:3-4 My '67.

WATER RESOURCES DEVELOPMENT

(see also subdivision under Mali)

Belichenko, Yu. P. [Protection of water resources is everybody's concern] *Okhrana vodnykh resursov - vsenarodnoe delo.* [Moskva, Kolos, 1966] 135 p.

WATER SUPPLY see subdivision under Armenia

4012

ELLIS, HERBERT GEORGE, 1869-1916

Pages of tradition in science fiction literature.
F. Chernikova. Trudy Leningradsk. gos. univ. 33:83-105 '64

ELLIS see subdivision under Penza Province

ELLIS—MAINTENANCE AND REPAIR

Gas turbine for cleaning well. I. Domodukhin. Tekhn. vopr. 27 no. 5:18 '67.

WEST GERMANY see Germany, West

WEST SIBERIAN—CLIMATE

Fedor, O. D. [Climate features and characteristics of the climate of Central America and the West Indies] Klimaticheskie zakonomenosti i kharakteristika klimata tsentralnoi Ameriki i Vest-Indii. Leningrad, Gidrometizdat, 1967. 166 p. (Leningrad, Glavnaya geofizicheskaya observatoriya. Trudy, no. 242)

WEST SIBERIAN PLAIN—CLAY

Composition of bituminoids of clay rocks in West Siberian plain. V. V. Ivanova, I. A. Gidrovskaya, G. P. Sverchuk. Geol. neft. i gaz. 11 no. 4:21-29 Ap '67.

WEST SIBERIAN PLAIN—HYDROLOGY

Chibrikova, L. I. [Water balance of the West Siberian plain] Vodnyi balans Zapadno-Sibirskoi ravniny. Moscow, Nauka, 1967. 82 p.

WEST SIBERIAN PLAIN—ORGANIC MATTER—ANALYSIS

Composition of bituminoids of clay rocks in West Siberian plain. V. V. Ivanova, I. A. Gidrovskaya, G. P. Sverchuk. Geol. neft. i gaz. 11 no. 4:21-29 Ap '67.

WESTERN EUROPE see Europe, Western

WESTERN SAMOA—DESCRIPTION

Physical map: Western Samoa. Agitator no. 24:37 '67.

WESTERN SIBERIA see Siberia, Western

WHITES

Whites of some minerals and oxides by fused chlorides. A. A. Lunkin, I. V. Zverev, V. N. Gupindanov. Soob. AN SSSR. 16 no. 2:150-154 My '67.

WHITES see subdivision under Arctic regions

WHARVES

(see also subdivision under Odessa)

Investigating the active pressure of soil on a rigid retaining wall in case of partial consolidation of the fill. A. I. Pechenkin. Mor. put. i much. stroy. no. 2:100-101 '66.

Investigating the angle of the friction between soil and the retaining wall of gravity quays. V. K. Zinetskii. Mor. put. i much. stroy. no. 2:72-81 '66.

Effect of the displacement of a structure on soil pressure. V. K. Zinetskii. Mor. put. i much. stroy. no. 2:72-81 '66.

Optimizing the optimum limits of intraport specialization. V. K. Zinetskii. Mor. put. i much. stroy. no. 2:5-9 '66.

Calculating the account temporary loads in the building and effect of retaining structures. V. V. Kashtanov. Mor. put. i much. stroy. no. 2:53-60 '66.

WHARVES—EQUIPMENT AND SUPPLIES

Effect of the quayside crane tracks on the outermost wharves. V. Zinetskii. Mor. put. i much. stroy. no. 2:53-60 '66.

WHARVES—MODELS

Mechanization of labor consuming processes in model of the loading structure. V. K. Zinetskii, M. N. Kashtanov. Mor. put. i much. stroy. no. 2:132-131 '66.

WHEAT

(see also subdivision under Donetsk Province; Odessa Province)

Biological characteristics of wheat. A. V. Antushenko. Vopr. nauch. i tekhn. nauki (Kazakh) 10 no. 2:17-21 F '67.

Selection of wheat. V. I. Dorofeev, I. P. Laptev. Vopr. nauch. i tekhn. nauki 12 no. 5:30 My '67.

Preparation against wheat lodging. N. Shecherbakova. Zashchita rast. 30 no. 5:46-47 My '67.

WHEAT—GENETIC RESEARCH

Winter wheat to the East. V. E. Pisarev. Genetika 10:5-15 My '67.

WHEAT—IRRIGATION see subdivision under Azerbaijan

WHEAT—STORAGE

Effect of grain germination power on the resistance during storage and on baking qualities. N. Voronin. Muk. i kvas. prom. 33 no. 4:16-19 Ap '67.

WHEAT—VARIETIES

Resistance of wheat varieties from Italy and San Marino. A. I. Iodging, S. G. Pankov, E. P. Migushova. Uzb. biol. zhurn. 11 no. 2:66-61 '67.

WHEAT BREEDING

Microspirogenesis and development of pollen grains in winter wheat lines with cytoplasmic male sterility. N. I. Savchenko. ISH. 1 gen. 1 no. 3:28-37 My-Je '67.

WHEAT TRADE see subdivision under Kuzan

WHEELS

Rolling of a flexible wheel on a rigid surface. R. V. Vorobov. Izv. vuzov tekhn. i mashinost. no. 4:78-81 '67.

WHEY

Use of whey. I. P. Kas'k. Khleb i kond. prom. 11 no. 3:35-37 My '67.

WHITE RUSSIA—AERONAUTICS, COMMERCIAL

The October relay race. S. V. Ildovich. Grazhd. av. 24 no. 1:2 Ap '67.

WHITE RUSSIA—APARTMENT HOUSES

Practice of residential construction in cities of White Russia. P. Gromov, T. Puchkayeva. Zhil. stroit. no. 11:2-3 '66.

WHITE RUSSIA—ARTS AND CRAFTS MOVEMENT

Anniversary souvenirs. Prom. Bel. 10 no. 4:6-9 Ap '67.

WHITE RUSSIA—AZOTOBACTER—CULTURES AND CULTURE MEDIA

Nitrogen fixation and group B vitamin formation by local Azotobacter strains. T. H. Zinetskii, N. M. Harnak. Vestn. AN BSSR. Ser. biol. nauch. no. 2:58-72 '67.

WHITE RUSSIA—BIOLOGICAL RESEARCH

Summary of scientific work of academicians and members of the Department of Biological Sciences of the Academy of Sciences of the White Russian S. S. R. Vestn. AN BSSR. Ser. biol. nauch. no. 2:116-126 '67.

WHITE RUSSIA—BRICK INDUSTRY—MANAGEMENT

Increasing the production of bricks. V. I. Shlyk. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—CITIES AND TOWNS

Bogdanovich, A. V., and P. A. Sidorov. [Cities of White Russia: a brief economic study] Goroda Belorussii, kratkii ekonomicheskiy ocherk. Minsk, Nauka i tekhnika, 1967. 183 p. maps (insert)

WHITE RUSSIA—CONSTRUCTION INDUSTRY

Practice of residential construction in cities of White Russia. P. Gromov, T. Puchkayeva. Zhil. stroit. no. 11:2-3 '66.

WHITE RUSSIA—DRAINAGE

Some problems of melioration in White Russia. A. V. Aikanskii, A. I. Muiashko. Gidrol. mel. 19 no. 4:1-7 Ap '67.

WHITE RUSSIA—EARTH TEMPERATURE

Causes of the anomalous distribution of underground heat in the southern part of the White Russian S. S. R. G. V. Bogomolov, L. A. Tsybulia. Dokl. AN BSSR. 11 no. 4:350-354 Ap '67.

WHITE RUSSIA—ECONOMIC POLICY

Planning the realization of manufactured goods under new conditions. E. A. Moiseenko, S. I. Zvol'skaia. Prom. Bel. 10 no. 4:19-21 Ap '67.

WHITE RUSSIA—ECONOMICS

Method of preparing and conducting seminar studies. P. Kornev. Nauch. dokl. vuzov shkoly, ekon. nauki 10 no. 6:77-79 '67.

WHITE RUSSIA—EDUCATION

Akademiya pedagogicheskikh nauk RSFSR, Moscow. [From the history of the schools of White Russia and Lithuania, transactions of the Institute of Theory and History of Education] Iz istorii shkol Belorussii i Litvy, trudy Instituta teorii i istorii pedagogiki. Moskva, Prosveshchenie, 1964. 322 p. (Izv. Ivestiya, no. 131)

WHITE RUSSIA—ELECTRIC LINES

Outlook for the utilization of 20 kilovolt voltage in electric networks. V. V. Keinogo. Prom. Bel. 10 no. 4:63 Ap '67.

WHITE RUSSIA—ELECTRONIC DATA PROCESSING

Mechanization of designs and calculations. V. N. Potapov. Prom. Bel. 10 no. 6:26-28 Je '67.

WHITE RUSSIA—FISH CULTURE

Methods of increasing fish productivity in fishponds of White Russia. V. P. Lukinovich. Izv. GosNIORKH. 61:234-245 '66.

WHITE RUSSIA—FOOD INDUSTRY—MANAGEMENT

Using basic funds in the food industry. A. I. Kovalev, N. V. Omeleshko. Prom. Bel. 10 no. 4:15-16 Ap '67.

WHITE RUSSIA—FOURISTS AND FOURFOLD

Fourfoldness in the White Russian S. S. R. I. D. Iodging. Vestn. AN BSSR. Ser. biol. nauch. no. 2:116-126 '67.

WHITE RUSSIA—FOURFOLD

Fourfoldness in the White Russian S. S. R. I. D. Iodging. Vestn. AN BSSR. Ser. biol. nauch. no. 2:116-126 '67.

WHITE RUSSIA—FOURFOLD

Fourfoldness in the White Russian S. S. R. I. D. Iodging. Vestn. AN BSSR. Ser. biol. nauch. no. 2:116-126 '67.

WHITE RUSSIA—HAY

Hay production in the White Russian S. S. R. V. Tarasov. Vestn. AN BSSR. Ser. biol. nauch. no. 2:116-126 '67.

WHITE RUSSIA—HISTORY

Polish contacts with the White Russian S. S. R. L. M. Muiashko. Vestn. AN BSSR. Ser. biol. nauch. no. 2:116-126 '67.

WHITE RUSSIA—HYDRAULIC ENGINEERING—ACCOUNTING

Accounting in the hydraulic engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL ENGINEERING

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

From enterprises to the state. G. I. Iodging. Prom. Bel. 10 no. 6:15-16 Je '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Ideas, comments, and questions. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Improvement of the industrial management. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Payment for industrial engineering. P. P. Pechenkin. Prom. Bel. 10 no. 4:24 Ap '67.

- WHITE RUSSIA—POTATOES—VARIETIES**
Analysis of popular and rare potato varieties of the White Russian S.S.R. A. V. Verbitskiy. Dokl. AN Uz. SSR 11 no. 4:32-34 Ap '67.
- WHITE RUSSIA—SPRUCE**
Turkevich, I. D. [Seasonal development of the ordinary spruce] Sezonnoye razvitiye obshcheynovennoy. Minsk, Nauka i tekhnika, 1966. 63 p. (DAL)
- WHITE RUSSIA—STATE FARMS—FINANCE**
The grass, meat production and business accounting. A. T. Grib, B. Zhukov. Prom. Bel. 42 no. 5:102-103 '67.
- WHITE RUSSIA—SUGAR BEET MACHINERY**
Technology of growing sugar beets in the zone of increased moisture. V. Domaruk, L. L. Grib. Tekhn. i sel'khoz. 27 no. 5:5-6 '67.
- WHITE RUSSIA—SUGAR BEETS**
Comparative effects of herbicides used before sowing. A. B. Sidorov, Khim. i sel'khoz. 5 no. 6:42-43 Je '67.
- WHITE RUSSIA—SUGAR BEETS—FERTILIZERS AND MANURES**
Effect of fertilizer on trace elements content in sugar beet plants. A. M. Ioska. Vestn. AN BSSR Ser. Biol. nat. no. 2:9-12 '67.
- WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS**
One and a half million rubles saved by the introduction of innovations. G. N. Andreeva. Prom. Bel. 10 no. 6:57-59 Je '67.
Research is carried out by public workers. A. M. Kruglova. Prom. Bel. 10 no. 6:60 Je '67.
- WHITE RUSSIA—TOY INDUSTRY—MANAGEMENT**
Efficiency of the specialization in the production of toys. P. A. Sidorov, L. N. Nikitina. Prom. Bel. 10 no. 4:28-29 Ap '67.
- WHITE RUSSIA—TRACE ELEMENTS**
Microelements in the covering moraines of White Russia. S. D. Astasova, K. I. Lukashov, S. L. Shimanovich. Dokl. AN BSSR 11 no. 4:316-340 Ap '67.
- WHITE RUSSIA—TRADE UNIONS**
Trade Union organizes a competition. V. Chukovich. Avtor. 30 no. 4:5 Mr '67.
- WHITE RUSSIA—VERTEBRATES**
Vorobin, F. N. [White Russian fauna and conservation, vertebrates] Fauna Belorussii i okhrana prirody, pozvonochnye. Minsk, Vysheishala shkola, 1967. 422 p.
- WHITE RUSSIA—WOODWORKING INDUSTRIES—MANAGEMENT**
Using basic funds in the woodworking industry. B. A. Kopeikin. Prom. Bel. 10 no. 4:16-17 Ap '67.
- WHITE RUSSIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
Parakhovich, Vladimir. [Flery vortexes, notes of a partisan. As told to Vladimir Zhizhenko] Ognennye vikhri, zapiski partizana. Literatura obrabotka Vladimira Zhizhenko. [Minsk, "Detarus", 1967] 398 p.
- WHITE RUSSIAN LANGUAGE—DIALECTS** see subdivision under Pripyet Valley
- WHITE SEA—SEA ICE DRIFT**
Possibility of studying the characteristics of ice drift using aerial photography. I. U. A. Gorbunov. Probl. Arkt. i Antark. no. 26:57-60 '67.
- WHITE SEA—SMELTS**
"Wonderful network" of the White Sea smelt. M. K. Dzhamaliev. Vestn. AN Kazakh SSR 23 no. 4:63-65 Ap '67.
- WHITE SEA—ZOOPLANKTON**
Average weights and sizes of mass species of the zooplankton of the White Sea. N. M. Perisova. Okeanologiya 7 no. 2:303-313 Mr-Ap '67.
- WHITEFISHES** see subdivision under Kara Sea
- WHOLESALE TRADE—PRICES** see subdivision under Ukraine
- WHOOPING COUGH**
(see also subdivision under Voronezh)
Comparative study of polyvalent vaccines with the pertussis component. Report No. 1: Reactogenic properties and immunological effectiveness of diphtheria component. E. A. Baeva and others. Zhur. mikrobiol., epid. i immun. 44 no. 5:73-77 My '67.
Isolation periods of whooping cough patients from children's institutions. E. A. Okinshevich and others. Zhur. mikrobiol., epid. i immun. 44 no. 4:108-113 Ap '67.
- WHOOPING COUGH—MICROBIOLOGY**
Localization of pertussis antigen and antibodies in animal body. B. F. Zelkova. Trudy Mosk. nauch.-issl. inst. vak. i ser. 17:66-71 '67.
- WHOOPING COUGH—PREVENTIVE INOCULATION**
Immunological effectiveness of experimental polyvalent vaccination against smallpox and whooping cough. O. I. Kozlov, Zhur. mikrobiol., epid. i immun. 44 no. 4:53-58 Ap '67.
Immunological effectiveness of paraperussis vaccine. A. K. Min'shikova, M. S. Zakharova, Z. V. Gorbunova. Zhur. mikrobiol., epid. i immun. 44 no. 4:48-53 Ap '67.
Intensity of paraperussis immunity in immunization with adsorbed pertussis-diphtheria-tetanus vaccine containing and not containing the paraperussis component. I. L. Margulis. Zhur. mikrobiol., epid. i immun. 44 no. 5:80-93 My '67.
Localization and the duration of stay of antibodies in the animal body following the introduction of pertussis gamma globulin. R. E. Zelkova. Trudy Mosk. nauch.-issl. inst. vak. i ser. 17:72-76 '67.
Production of sorbed pertussis and pertussis-diphtheria vaccines and the study of their basic properties in experiments on animals and in a limited epidemiological experience. Report No. 2. A. I. Belkina and others. Trudy Mosk. nauch.-issl. inst. vak. i ser. 17:123-129 '67.
- WIDE-SCREEN PROCESSES (CINEMATOGRAPHY)**
Variostanomorphic optics for variostanoscopic cinematography. V. G. Komar, A. G. Boltanskiy, F. S. Novik. Tekhn. kino i telev. 11 no. 4:3-13 Ap '67.
- WILD RICE—VARIETIES** see subdivision under Kazakhstan
- WILNO** see Vilnius
- WINCHES**
Method for calculating the power of the actuating engine of the towing winch. S. A. Vladimirov. Sudostroenie 57 no. 4:41-47 Ap '67.
Pygmy winch. B. Blinov. NTO 9 no. 4:64 Ap '67.
Winch LVUK-2 for hauling seine and winding ropes. S. S. Torban, I. Sh. Tlukhtsev. Trudy VNIO 59:10-28 '66.
- WINCHES—DESIGN AND CONSTRUCTION**
Experimental automatic two-drum winches for manless coal mining with wire-rope sawing machines. V. A. Gorshkov, M. V. Zhernovskiy. Nauch. trudy Perm. NTU no. 7:141-144 '64.
- WINCHES—ELECTRIC DRIVING**
Automatic control system of experimental d.c. drive of drilling rig draw works using mercury arc converter. L. I. Shurman, L. I. Sud. Trudy Giproneftemash, Neftprom. delo no. 2:17-28 '64.
- WIND EROSION**
Wind erosion and its control by chemical stabilizers. V. I. Gritskiy. [Sbor.] Kom. po zem. pol. no. 6:70-78 '66.
- WIND POWER** see subdivision under Ukraine
- WINDBREAKS, SHELTERBELTS, ETC.** see subdivision under Ukraine
- WINDING MACHINES**
Machines for unwinding wires of communication and electric lines. M. B. Gel'man. Stroitel. mash. 12 no. 2:20-22 '67.
- WINDOW FITTINGS**
New technology for mass production of frame structures. M. D. Sakharov, Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 5:10-11 My '67.
- WINDS**
(see also subdivision under Atlantic Ocean; Tropics)
Determining wind velocity and diffusion coefficients with the aid of an artificial luminous cloud. L. A. Andreeva and others. Geomagn. i aer. 7 no. 1:134-137 '67.
Evaluation of wind pressure on high constructions. S. S. Zifitinkovich, B. V. Ostrovnikov. Meteor. i gidrol. no. 6:41-49 Je '67.
Methodology of compiling, processing, and using data on wind regimes in sandy deserts. A. V. Grozdikov. [Sbor.] Kom. po zem. pol. no. 6:113-121 '66.
Nogram for calculation of wind velocity and height of wind waves in ocean. V. S. Krasuk. Meteor. i gidrol. no. 4:106-108 Ap '67.
- WINE AND WINE MAKING**
(see also subdivision under Moldavia)
Experimental study of the effect of ultrasound on the process of wine fining. A. V. Kornev, R. V. Protopopov, I. L. Kononova. Akust. i ultrazv. no. 2:34-46 '66.
Results in studying the ultrasonic sterilization of Georgian natural slightly sweetened wines. R. T. Chkhaidze, L. I. Berishvili, M. A. Askarov. Akust. i ultrazv. no. 2:47-50 '66.
- WINE AND WINE MAKING—EQUIPMENT AND SUPPLIES**
Effect of bentonite on the fermentation of grape must and the amount of nitrogenous substances in wine. O. S. Shepel'kova. Dokl. AN Uz. SSR 23 no. 7:64-66 '66.
- WINTER**
Seasonal variations of the winter air temperature in the southern half of the European territory of the U.S.S.R. I. V. Kilmenko. Vestn. Mosk. un. Ser. 5: Geog. 22 no. 2:75-78 Mr-Ap '67.
Winter of 1966 - 1967 in northern hemisphere. T. I. Battalova, V. M. Cherkasskaya. Priroda no. 5:123-126 My '67.
- WIRE—WELDING**
Investigating welding properties of Sv-08G2S wire made in oxygen-blown converters. V. A. Savchenkov, S. I. G. Intchev. Svar. prot. v. no. 5:27-29 My '67.
- WIRE ROPE—TESTING**
Improving specific efficiency of lengthened darning linen in operating them with by-passing. V. K. Galabudn. Mash. i neft. obr. no. 4:8-10 '67.
Unwinding locked-coil wire ropes in bracing concrete sleeves. A. K. Kazantsev. Izv. vya. ucheb. zav. i gos. zhur. 9 no. 1:109-112 '66.
- WOLVES—PARASITES** see Parasites—Wolves
- WOMEN**
(see also subdivision under Tajikistan)
Oh woman, beauty of the world! V. m. i. knig. 7 no. 2:28-29 '67.
We are discussing the problem of women, family, and society. Sem'ia i shkola 22 no. 5:9-11 My '67.
- WOMEN—EMPLOYMENT**
(see also subdivision under Azerbaijan; Cyprus; Finland; Japan; Leningrad)
Tolkunova, V. N. [Women's right to work and its guarantees] Pravo zhenshchin na trud i ego garantii. Moskva, Urid. lit-ra, 1967. 190 p.
- WOMEN—RIGHTS OF WOMEN**
(see also subdivision under Turkmenistan)
Tolkunova, V. N. [Women's right to work and its guarantees] Pravo zhenshchin na trud i ego garantii. Moskva, Urid. lit-ra, 1967. 190 p.
- WOMEN AND RELIGION**
Basic reasons of religious survivals among women. I. L. Lebedeva. Uch. zap. OGPU no. 20:186-190 '66.
- WOMEN AS JUDGES**
Judge and teacher. A. Suchkov. Sov. iust. 31 no. 10:26-27 My '67.
- WOMEN AS PHYSICIANS** see subdivision under Dnepropetrovsk
- WOMEN IN AERONAUTICS**
Assaulting the heights. V. G. Izodubova. Kiy. rod. 16 no. 5:11 My '67.
182 record seconds. E. Matova. Kiy. rod. 16 no. 5:4 My '67.
- WOMEN IN AGRICULTURE** see subdivision under Turkmenistan
- WOMEN IN CHRISTIANITY**
Attitude of Baptism toward women. I. L. Lebedeva. Uch. zap. OGPU no. 20:180-195 '66.
- WOMEN IN FARM MECHANIZATION**
Continuing our talk about girls as machinery operators. B. Uspenskiy. Prof. -tekhn. obr. 24 no. 3:8-9 Mr '67.
- WOMEN IN INDUSTRY** see subdivision under Daghestan
- WOMEN IN PUBLIC LIFE** see subdivision under Kazakhstan
- WOOD FINISHING**
Effective puttying composition. E. V. Alendorf. Der. prom. 16 no. 6:6-8 Je '67.
Reviewing the work completed by the MMSK-1 Central Chemical and Technological Laboratory in 1965-1966. M. E. Medvedev, G. A. Litvintseva. Der. prom. 16 no. 6:28-29 Je '67.
- WOOD FINISHING—EQUIPMENT AND SUPPLIES**
Machines for finishing furniture panels. V. P. Bukhtinarov. Der. prom. 16 no. 6:4-6 Je '67.
- WOODEN BEARINGS**
Replacing bronze in sliding bearings by compressed wood. V. I. Rogachov, Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 5:13-14 My '67.
- WOODPULP**
Porosity of woodpulp and cotton pulp intended for acetylation. M. V. Tshilpokin and others. Zhur. prikl. khim. 40 no. 3:656-661 Mr '67.
White woodpulp produced from pine. T. A. Belova, P. Kh. Laakev. Bum. prom. no. 5:7-9 My '67.

WOODPULP INDUSTRY see subdivision under Segezha (Karelia)

WOODPULP INDUSTRY—BY-PRODUCTS

Improving the technology of the production of beta-allosterin. A. P. Matushkin and others. Bum prom. no. 5 10-12 My '67.
Sulfite soap is a valuable raw material for the production of drugs. A. P. Shevchenko, Z. P. Kilukina. Bum prom. no. 5 13-14 My '67.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Leptin, B. V. [Manual for digester liners] Posobie obmurovachestku varochnykh kotlov. Moskva, Lesnaya promyshl., 1967. 45 p.

WOODWORK (MANUAL TRAINING)

Technical education: 5th grade. Shkola i protiv. 11 no. 4 20-30 Ap '67.
Technical education: 6th grade. Shkola i protiv. 11 no. 4 30-31 Ap '67.

WOODWORKING INDUSTRIES see subdivision under Carpathian Mountains; Moldavia

WOODWORKING INDUSTRIES—MANAGEMENT

Introducing the scientific organization of labor in auxiliary operations. M. S. Kokoshin. Det. prom. 16 no. 6 25 Je '67.

WOODWORKING MACHINERY

Highly sharpened rotary cutters for cutting dovetail joinings. I. P. Veinberg. Det. prom. 16 no. 6 10-12 Je '67.

Shelov, I. I. [Repair and assembly of the equipment of woodworking industries] Remont i montazh oborudovaniya derevoobrabatovatelnykh proizvodstv. Izd. 2., perer. i dop. Moskva, Lesnaya promyshl., 1967. 331 p.

The TSS-01-1 circular-saw bench assembling boards. E. L. Mikhelich. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 20 no. 6 35-36 My '67.

WOOL

Produce more wool of better quality. A. Ljubavskii. Zakup sel'khoz. prod. no. 5 27-30 My '67.

WOOL—GRADING

Standardize wool improvement. O. Shelfer. Zakup sel'khoz. prod. no. 5 33 My '67.

WOOLEN AND WORSTED AND MANUFACTURE see subdivision under Grodno

WORK

Confirming the principle "Who does not work, does not eat." A. Bukhtiarov. Agitator no. 9 41-43 Mr '61.

Development of studies on the physiological basis of a rational regimen in work and rest. P. D. Kharchenko, A. O. Kirin. Izdat. zhur. [Ukr.] 13 no. 3 388-394 My-Je '67.

The socialist regime and the length of the period of working activity. A. Kotliar. Nauch. dokl. vys. shkoly. ekon. nauk 10 no. 6 30-46 '67.

The work process and the workday. A. N. Fedorov. Uch. zap. GOFIA no. 20 136-154 '66.

WORK CLOTHES

Norms for delivery of work clothes. E. Samsonova. Tekhn. sel'khoz. no. 4 86-88 '67.

WORK FUNCTIONS (PHYSICS)

Work function of two oscillating spherical particles of the same size. V. I. Tsvetkovskiy, V. I. Umanov. Izv. vys. ucheb. zav. fiz. no. 4 157-158 '67.

WORKBOATS

[Manual on mass-produced transport vessels] Spravochnik po seriinym transportnym sudam. Moskva, Transport.

Vol. 3. [Port, tender, and auxiliary fleet] Portovyi, stoichnyi i vspomogatel'nyi flot. 1966. 251 p.

WORKSHOPS

A proper workplace. I. V. Zel'dis. Shkola i protiv. 10 no. 9 15-10 S '66.

WORLD FEDERATION OF TRADE UNIONS

The character of the W. F. T. U. and its internal democracy. Louis Seillant. Vsem. prof. dvizh. no. 2 1-2 Mr '67.

WORLD HEALTH ORGANIZATION

The World Health Organization, and the U. S. A. V. TSvetov. Mir. ekon. i mezhdunar. otn. no. 5 117-119 '67.

WORLD POLITICS

Facts only. Agitator no. 2 20 Ja '61.

Facts only. Agitator no. 4 38 F '61.

The forces of the world are growing and conquering. V. Zlakov. Agitator no. 24 20-23 D '61.

The Great October Socialist Revolution and the world politics. I. Lemlin. Mir. ekon. i mezhdunar. otn. no. 6 3-17 '67.

In struggle for peace and progress. M. Mikhailov.

Agitator no. 4 33-37 F '61.
In the notebooks of propagandists. Mezhdunar. zhizn' 14 no. 6 155-156 '67.

International notes. Nov. vrem. 25 no. 21 24-25 My '67.

International notes. Nov. vrem. 25 no. 24 23-24 Je '67.

International notes. Nov. vrem. 25 no. 25 26-27 Je '67.

International notes. Nov. vrem. 25 no. 26 24-25 Je '67.

International review. L. Sedin. Mezhdunar. zhizn' 14 no. 6 141-148 '67.

Letters to the editor. Nov. vrem. 25 no. 21 6 My '67.

Letters to the editor. Nov. vrem. 25 no. 24 11 Je '67.

Letters to the editor. Nov. vrem. 25 no. 25 17 Je '67.

Letters to the editor. Nov. vrem. 25 no. 26 9 Je '67.

People, events, and facts. Az i Afr. seg 10 no. 6 54-57 Je '67.

Propaganda of international affairs in the anniversary year. Mezhdunar. zhizn' 14 no. 6 159-160 '67.

World events. Nov. vrem. 25 no. 24 32 Je '67.

World events. Nov. vrem. 25 no. 25 32 Je '67.

World events. Nov. vrem. 25 no. 26 32 Je '67.

World politics. Nov. vrem. 25 no. 21 32 My '67.

WORLD WAR, 1939-1945

(see also subdivision under Baltic Sea; Chuvashia, Dnieper Valley; Germany; Leningrad; Lithuania; Manchuria; Novorossiysk region; Pacific Ocean; Poland; Stavropol; Uzbekistan; Warsaw; White Russia)

"Directed toward a breakthrough . . ." (conclusion) V. Goland, V. Zheleznov. Mol. komm. 10 5 91-95 '67.

Eternal images. Kryl. rod. 18 no. 5 16 My '67.

Kurilenko, Z. E. [Tale about a son] Povest' o syne. [Moskva] Mosk. rabochii, 1966. 213 p.

(ISM) (MH)

Schools of higher education in the years of the Patriotic War and the post-war period. A. I. Lutschenko. Vest. vys. shkoly 25 no. 4 92 Ap '67.

They fought for their motherland. A. M. Karagozov. Vest. protivovozd. obr. no. 4 88-89 Ap '67.

Training of Chuvash workers and the raising of their qualifications during the Great Patriotic War. A. F. Izhotkin. Uch. zap. CHUVASHIIE no. 29 80-84 '65.

We remember you O. Grigor'eva. Sem'ia i shkola 22 no. 5 43 My '67.

Why the invasion of England didn't take place. Voen. 161. zhur. 9 no. 4 78-81 Ap '67.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Above the Oder and Elbe. K. Verahinin. Av. i kosm. no. 5 32-38 My '67.

Berlin is below the wing. A. Kiylov. Av. i kosm. no. 5 83-84 My '67.

Contribution of antiaircraft defense troops to the victory over Nazi Germany. B. G. Zabelok. Vest. protivovozd. obr. no. 5 8-14 My '67.

Eternal memory for the heroes. Z. Dubrovskii. Prof. i tekhn. obr. 24 no. 3 11 Mr '67.

From the records of the 16th Air Army. L. Shuleiko. Av. i kosm. no. 5 84-88 My '67.

Unforgettable. . . V. Antonov, V. Fedosov. Kryl. rod. 17 no. 12 4-5 D '66.

WORLD WAR, 1939-1945—ATROCITIES

In memory of people. Iuli Pillar. Nov. vrem. 25 no. 25 28-31 Je '67.

WORLD WAR, 1939-1945—CAMPAIGNS

Comrades from the western front. E. Vorob'ev. Sov. voen. 48 no. 23 24-27 D '66.

From the militia to the elite guard. A. F. Medennikov. Sov. voen. 48 no. 23 4-5 D '66.

WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

German-Italian relations in 1939. A. S. Grossman. Vop. ist. 42 no. 5 51-59 My '67.

[Teheran, Yalta, and Potsdam, a collection of documents] Tegeran - Ialta - Potsdam; sbornik dokumentov. Moskva, IMO, 1967. 367 p.

WORLD WAR, 1939-1945—DRAMA

Not just memories. . . D. Medvedenko. Sov. radio i tel. 16 no. 2 32-33 F '67.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

During the war years. A. Ljubimov. Sov. iorg. 40 no. 5 35-41 My '67.

WORLD WAR, 1939-1945—FOOD QUESTION

Front-line representative of the People's Committee for Procurement of Farm Products. M. Chernin. Zakup. sel'khoz. prod. no. 5 14-15 My '67.

WORLD WAR, 1939-1945—MEDICAL AND SANITARY AFFAIRS

Antiepidemic and prophylactic measures in the U. S. S. R. during 50 years. Report No. 3: The Great Patriotic War, 1939-1945. L. I. Rogozin, Z. I. Dubitskaia. Zhur. mikrobiol., epid i immun. 44 no. 4 3-9 Ap '67.

WORLD WAR, 1939-1945—NAVAL OPERATIONS

Bogolepov, V. P., ed. [The blockade and the counter-blockade; struggle on the ocean and sea routes during the Second World War] Blokada i kounterblokada na okeansko-morskikh sotsialisticheskikh i mirov. vol. 1. [By V. A. Belii i dr. Moskva, Voenizdat, 1967] 766 p. (Vtoraya mirovaya volna i issled. i doklady, vospom. i dokumenty)

Immortality of the heroic deed. M. Zheleznev. Voen. 161. zhur. 27 no. 4 9-10 Ap '67.

Through the covering detachments of the army. P. Makarenko, S. Tomilov. Voen. 161. zhur. 27 no. 4 12-11 Ap '67.

WORLD WAR, 1939-1945—NAVAL OPERATIONS—SUBMARINE

Operation "Sea Wolf". A. Orlov. Voen. 161. zhur. 27 no. 4 10-108 Ap '67.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Everything for the front, everything for the motherland. A. A. Shurshin. Sov. voen. 48 no. 21 2-3 D '67.

Karavayev, A. T. [By urgent order] Posrochno pripisaniye Moskva, Voenizdat, 1967. 271 p. (Voennye memuary)

WORLD WAR, 1939-1945—REGIMENTAL HISTORIES

Behind us was Moscow. G. A. Shadrin. Vest. protivovozd. obr. no. 12 84-88 D '66.

On some frontiers. V. M. Malkin. Sov. voen. 48 no. 23 8 D '66.

The Panfilov regiment. A. Orlov, A. Les', R. Pelyayev. Sov. voen. 48 no. 23 14-16 D '66.

Zavliton, G. T., and P. A. Kornushin. [And on the Pacific Ocean. . . a military historical sketch about the combat record of the 6th Guards Tank Army] I na Tikhom okeane . . . voenno-istoricheskiy ocherk o boevom puti 6-t gvardeiskoi tankovoi armii Moskva, Voenizdat, 1967. 253 p.

WORLD WAR, 1939-1945—SOURCES

Everyday deeds, important deeds; wartime labors of "Red Star" on work of service troops. Tyl. i srab. Sov. Voor. Sil. 27 no. 5 19 My '67.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Moskvitin, N. I. [Along partisan paths] Partizanskimi tropami. [Moskva] Mosk. rabochii, 1967. 365 p.

WORMS, INTESTINAL AND PARASITIC

Case of difflariasis in man. A. L. Shupik, L. A. Sokova, T. A. Prosvetova. Med. paraz. i paraz. bol. 36 no. 2 239 Mr-Apr '67.

Case of difflariasis in man. A. S. An, D. G. Kamal'dinov. Med. paraz. i paraz. bol. 36 no. 3 358 My-Je '67.

Improvements in the methodology of examining waste waters for helminth eggs. N. A. Romanenko. Med. paraz. i paraz. bol. 36 no. 3 331-333 My-Je '67.

WORMS AS CARRIERS OF DISEASE

Fauna of the parasitic worms of dogs in the Yamal Peninsula. A. D. Lushkov, Trudy Nauch.-issl. inst. sel'khoz. Kraev. Sev. 13 123-127 '66.

WORMWOOD—THERAPEUTIC USE

Use of a new vaso- and cardiotonic preparation tauramin as a substitute of camphor in the treatment of pneumonia. N. M. Petrov. Sov. med. 30 no. 5 51-57 My '67.

WRÓBLEWSKI, TADEUSZ, 1858-1925

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

Abrahamov, V. I. [Tadeusz Wróblewski] Tadas

YEREVAN see Eriyan

YERGENI HILLS—EROSION

Effect of the cohesion of soil grains on anticlastic stability of light chestnut soils of Yergeni Hills, M. S. K. Nauch. dokl. vys. shkoly biol. nauk 10 117-123 '67.

YESSENTUKI—HEALTH RESORTS, WATERING PLACES, ETC.

Effectiveness of health resort treatment in Yessentuki in early stages following epidemic hepatitis (Botkin's disease). G. M. Krasnaya, M. S. Vishnevskaya. Vop. k. i. fizioter. i lech. fiz. kult. 32 no. 2 151-155 M. 1967.

YEVDALOVO (VOHONEZH PROVINCE)—OILSEED INDUSTRY

Yevdalovo Order of the Red Banner of Labor Oil Company. V. I. Iekhn, I. S. Vasilenko. Mest. zh. prom. 33 no. 3 31-37 M. 1967.

Yevdalovo Order of the Red Banner of Labor Oil and Fat Company. V. I. Iekhn. Mest. zh. prom. 33 no. 4 2 Ap '67.

YOUNG MEN AS AUTHORS

Young literary men, their traditions and problems. V. Ostrov. Mol. komm. no. 5-48-54 '67.

YOUTH

From that viewpoint. V. Prokopenko, M. I. Osharov. V. mol. komm. no. 3 10 '67.

YOUTH—EMPLOYMENT

Committees on Youth and the protection of the adolescents' labor rights. L. Smirnova. Sov. fakt. 31 no. 9 17-18 M. 1967.

Concern for graduates. S. Luchin, Prof. -tekh. obr. 23 no. 10 11 O '66.

Good people. V. Kalinin. Agitator no. 12 48 Je '61.

Relying upon youth. A. Makhnach. Sov. potreb. koop. 11 no. 4 51-52 Ap '67.

Struggling with hardships. E. Seifudin. Agitator no. 12 47-48 Je '61.

YTERBIUM ISOTOPES

Significance of singular $\gamma\gamma$ -correlations in the case of Yb^{172} de-excitation. B. S. Dzhelepov, M. A. Lisitskaya, S. A. Shostopalova. Izv. AN SSSR Ser. fiz. 31 no. 4 581-584 Ap '67.

YTTRIUM

Yttrium oxidation under low pressures. V. V. Vorob'ev, L. N. Rishchikov. Izv. AN SSSR, Met. no. 3 226-227 M. 1967.

YTTRIUM FLUORIDE

Interaction of potassium fluoborate and fluotriate. M. P. Borzenkova, A. V. Novoselova. Izv. AN SSSR Neorg. mat. 3 no. 5 895-899 M. 1967.

YTTRIUM-NICKEL-SILICON ALLOYS

Study of the ternary system Y-Ni-Si in the region of YSi_2 compound. O. E. Skolodina, R. V. Skolozdra, E. I. Gladyshevskii. Izv. AN SSSR Neorg. mat. 3 no. 5 815-816 M. 1967.

YTTRIUM OXIDES—ADSORPTIVE PROPERTIES

Some chemisorptive characteristics of yttrium oxide. K. V. Topchieva, V. I. Stetsenko. Vest. Mosk. un. Ser. 2 Khim. 22 no. 2 1-8 M. 1967.

YTTRIUM OXIDES—THERMAL PROPERTIES

Enthalpy and heat capacity of yttrium sesquioxide and cerium dioxide at high temperatures. T. S. Ishvili, D. Sh. Tsagareishvili, G. G. Gvelesiani. Soob. AN Gruz. SSR 46 no. 2 409-413 M. 1967.

YUGOSLAV ACADEMY OF SCIENCES AND ARTS

At the anniversary celebration of the Yugoslav Academy of Sciences and Arts. I. Eichfeld. Vest. AN SSSR 37 no. 3 221-223 M. 1967.

YUGOSLAV STATESMEN see Statesmen, Yugoslav

YUGOSLAVIA—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Prefabricated construction of apartment houses in Yugoslavia. Zh. st. no. 11 23-25 '67.

YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. lit. po t. no. 5 '67.

YUGOSLAVIA—NATIONALITIES

Legal guarantees for the equal rights of the nationalities of Yugoslavia. H. Tykhonova. Rad. pravo 30 no. 5 90-93 M. 1967.

YUGOSLAVIA—PATENT LAWS AND LEGISLATION

Characteristics of patent legislation of the Socialist Federal Republic Yugoslavia. L. A. Trakhtengels. Vop. izob. no. 2 13-18 F. 1966.

YUGOSLAVIA—PRECAST CONCRETE CONSTRUCTION

Prefabricated construction of apartment houses in Yugoslavia. Zh. st. no. 11 23-25 '67.

YUGOSLAVIA—RUSSIAN STUDIES

The Philological Faculty of Leningrad University. P. A. Dmitriev. Sov. slav. no. 3 121 M. 1967.

YUPT LANGUAGE—GRAMMAR

Menovshchikov, G. A. [Grammar of the language of the Asiatic Eskimos] Grammatika yazyka aziatskikh eskimov. Leningrad, Nauka. Pt. 2. [Verb, participle, adverb, auxiliary words] Glagol, priklastic, narechiya, slozhebnye slova. 1967. 288 p.

YUZHNO-KUMERTAU OIL FIELD—GAS, NATURAL—GEOLOGY

Efficient tapping of oil and gas pools in reef masses as exemplified by the Yuzhno-Kumertau field. G. Kh. Gabbasov. Neft. prom. delo no. 3 3-5 '67.

YUZHNO-KUMERTAU OIL FIELD—PETROLEUM GEOLOGY

Efficient tapping of oil and gas pools in reef masses as exemplified by the Yuzhno-Kumertau field. G. Kh. Gabbasov. Neft. prom. delo no. 3 3-5 '67.

YUZHNO-SOVLTSKOYE GAS CONDENSATE FIELD—GAS FIELD DEVELOPMENT

Possibility of using cycling process in the Yuzhno-Sovetskoye gas condensate field in Krasnodar Territory. P. I. Shumygin and others. Gaz. delo no. 5 9-12 '67.

ZABOLOTNYI, DANIL KIRILLOVICH, 1867-1929

Activity of Academician D. K. Zabolotnyi in control of plague in Azerbaijan. R. B. Dzhalilov. Zhur. mikrobiol., opt. i immun. 14 no. 4 131-132 Ap '67.

Conference dedicated to the centennial of D. K. Zabolotnyi's birth. K. Z. Levova. Zhur. mikrobiol., opt. i immun. 41 no. 5 556-557 M. 1967.

D. K. Zabolotnyi's activity in microbiology. V. N. Kosmodemianskii. Zhur. mikrobiol., opt. i immun. 44 no. 5 34-37 M. 1967.

ZAK, ELIZAVETA GERMANOVNA, 1893-1966

Elizaveta Germanovna Zak, 1893-1966; obituary. Meteor. i gidrol. no. 4 127 Ap '67.

ZAKHAROV, GEORGI FEDOROVICH, 1897-1957

Army General G. F. Zakharov, F. Vasil'ev. Voenn. i. zhur. 9 no. 4 125-128 Ap '67.

ZALAI, LATYF ZALIALETDOVICH, 1894-1966

L. Z. Zalai, 1894-1966. Izv. AN SSSR, Ser. lit. i i. 26 no. 1 101 Ja-F '67.

ZAPADNO-SURGUT OIL FIELD—PETROLEUM GEOLOGY

Development conditions in the Zapadno-Surgut oil field. M. G. Ovanesov, V. Z. Kapushin. Izv. v. s. ucheb. zav. neft. i gaz. 10 no. 1 22-24 '67.

ZAPADNO-SURGUT OIL FIELD—PETROLEUM PRODUCTION

Development conditions in the Zapadno-Surgut oil field. M. G. Ovanesov, V. Z. Kapushin. Izv. v. s. ucheb. zav. neft. i gaz. 10 no. 1 22-24 '67.

ZAPOROZH'YE—CORRESPONDENCE SCHOOLS AND COURSES

Teaching and educating. N. I. Gaevol. Vech. i. ed. shkola 10 no. 3 81-82 M. 1967.

ZAPOROZH'YE—FIREBRICK

Manufacture of high-strength magnesite-chromite refractories for roofs of open-hearth furnaces in Austria and the U. S. S. R. V. R. Starun, A. I. Ludovinski. Met. i gornorud. prom. no. 2 83 M. 1967.

ZAPOROZH'YE—HOURS OF LABOR

City votes for "5+2". Sov. profsoyuz. 23 no. 9 18-19 M. 1967.

The five-day workweek and production. I. A. Karpov. Sov. profsoyuz. 23 no. 9 20-22 M. 1967.

ZAPOROZH'YE—INDUSTRIAL MANAGEMENT

The five-day workweek and production. I. A. Karpov. Sov. profsoyuz. 23 no. 9 20-22 M. 1967.

ZAPOROZH'YE—SAVINGS BANKS—MANAGEMENT

According to the new schedule. A. Glazkova. Den. i kred. 25 no. 5 69-70 M. 1967.

ZAPOROZH'YE—TYPHOID FEVER

Clinical and epidemiological characteristics of typhoid fever in Zaporozhye during 10 years (1954-1963). N. A. Kosarikina, Z. S. Potukhova, E. D. Kuzhel'. Zhur. mikrobiol., opt. i immun. 44 no. 4 137 Ap '67.

ZAPOROZH'YE PROVINCE—BEEF CATTLE

The cost became lower. A. Smirnov. Zakup. sel'khoz. prod. no. 2 39 F. 1967.

ZAPOROZH'YE PROVINCE—COMMUNIST YOUTH LEAGUE

Youth contributes to the anniversary of the revolution. Part. zhizn. no. 10 65-66 M. 1967.

ZAPOROZH'YE PROVINCE—HOURS OF LABOR

It is good to have two days off. V. D. Ploshchenko. Eksp. Rad. Ukr. 10 no. 4 55-61 Ap '67.

ZAYSAN, LAKE—METEORITES

Material composition and structure of the Yefremovka and Zaysan stony meteorites. L. G. Krasova, V. I. Khaitonova. Meteoritika no. 27 153-166 '66.

ZEAGLI-DARVAZA GAS CONDENSATE FIELD—GAS, NATURAL—SEPARATION

Characteristics of gas gathering and processing technology in gas condensate fields of the Zeagli-Darvaza type. A. I. Gritsenko and others. Gaz. delo no. 5 13-17 '67.

ZEAGLI-DARVAZA GAS CONDENSATE FIELD—GAS, NATURAL—STORAGE

Characteristics of gas gathering and processing technology in gas condensate fields of the Zeagli-Darvaza type. A. I. Gritsenko and others. Gaz. delo no. 5 13-17 '67.

ZEOLITES

(see also subdivision under Khilok Valley)

Chromatographic separation of gaseous hydrocarbons on X-type zeolite modified K4. G. V. Tshishvili and others. Neftekhimia 7 no. 2 305-311 M. 1967.

Comparison between the dielectric properties of ordinary and heavy water adsorbed on zeolite. B. A. Glazun, M. M. Dubinin, L. V. Zhilenkov. Izv. AN SSSR, Ser. khim. no. 5 987-990 M. 1967.

Destruction of synthetic zeolite crystals subjected to pressure. V. Bosack and others. Dokl. AN SSSR 174 no. 1 117-120 M. 1967.

Hyperkinesia in using NaA zeolites as drying agents for C₃ fractions in Grozny Chemical Combine. M. N. Zhavoronkov and others. Neft. i gaz. no. 1 28-30 '67.

Ultraviolet spectra of diphenylamine adsorbed by X and Y zeolites. A. V. Kiselev, L. A. Kupcha, V. I. Lygin. Khim. i tekhn. 8 no. 2 475-477 M. 1967.

ZEOLITES—DIELECTRIC PROPERTIES

Dielectric properties of water adsorbed by zeolites. Report No. 6. Kinetics of the change in dielectric properties of hydrated zeolites. B. A. Glazun, M. M. Dubinin, L. V. Zhilenkov. Izv. AN SSSR, Ser. khim. no. 5 977-982 M. 1967.

Nature of low temperature relaxation in zeolites. B. A. Glazun, L. V. Zhilenkov, M. M. Dubinin. Izv. AN SSSR, Ser. khim. no. 5 982-986 M. 1967.

ZERNOGRAD DISTRICT—STOCK AND STOCKBREEDING—MANAGEMENT

The basis of specialization. S. Marisev. Zakup. sel'khoz. prod. no. 5 55 M. 1967.

ZHAMSHI VALLEY—ROCKS, IGNEOUS

Subvolcanic formations and volcanic apparatus of the lower Zhamshi Valley (central Kazakhstan). E. E. Rozhko, Uch. zap. Ped. inst. Gerts. 290 191-209 '66.

ZHAMSHI VALLEY—VOLCANOES

Subvolcanic formations and volcanic apparatus of the lower Zhamshi Valley (central Kazakhstan). E. E. Rozhko, Uch. zap. Ped. inst. Gerts. 290 191-209 '66.

ZHDOKOV, IAKOV IVANOVICH, 1885-1966

Iakov Ivanovich Zhdokov obituary. A. V. Lar'ev. Brat. vest. no. 1 51-54 '67.

Mourning services for deceased Iakov Ivanovich Zhdokov, President of the All-Union Council of Evangelical Christians and Baptists. V. Trubina. Brat. vest. no. 1 51-61 '67.

ZHTOMIR PROVINCE—RURAL CONSTRUCTION

Current problems concerning the residential construction in rural regions. V. Kremenitskiy. Rad. pravo 30 no. 5 16-20 M. 1967.

ZHUBRITSKII, ZENON IOSIFOVICH, 1897-

Zenon Iosifovich Zhubitskii, on his 70th birthday. Fiziol. i. 14 no. 3 565-567 M. 1967.

ZIL'BER, LEV ALEKSANDROVICH, 1894-1966

Lev Aleksandrovich Zil'ber, an obituary. Mikrobiologia 36 no. 2 374-375 M. 1967.

ZINC

Zinc as a cofactor in lecithinase C of Clostridium perfringens. M. V. Isoplatovskaya. Dokl. AN SSSR 173 no. 6 1445-1447 Ap '67.

ZINC—ELECTROMETALLURGY

Calculating current efficiency in the electrolytic production of zinc. A. A. Salin. *Dokl. Akad. Nauk SSSR*, no. 7:257-259, '67.

Effect of electrolysis on electric reduction of zinc during the electrolytic refining of zinc. A. A. Salin and others. *Izv. Vses. nauch. issled. inst. tsvet. metall.* 47, no. 4:33-41, Ap '67.

Interconnection between the electrochemical indices of quality and the current efficiency. G. G. Rancova, A. A. Salin, A. D. Ponomarev. *Dokl. Akad. Nauk SSSR*, no. 7:262-266, '67.

System of automatic control of current in the purification process of zinc by electrolysis. G. G. Rancova, A. A. Salin, A. D. Ponomarev. *Izv. Vses. nauch. issled. inst. tsvet. metall.* 47, no. 4:30-32, Ap '67.

ZINC—WELDING

Argon arc welding of zinc. S. L. Chizhov, F. V. Korolev, V. V. Terent'ev. *Svar. prom.* no. 5:33-40, May '67.

ZINC COMPOUNDS

Determination of stability constants of oxalate complexes of zinc in potassium chloride solutions. V. L. Kravtsov, V. M. Chirnykh. *Vest. LGU* 22, no. 4:94-100, F '67.

ZINC IN THE BODY

Effect of radiation on zinc and copper balance in the blood of patients with uterine cervix cancer. Z. V. Laparievich. *Vestn. Akad. Nauk SSSR Ser. Biol. Nauk*, no. 2:73-75, '67.

ZINC ORGANIC COMPOUNDS see Organozinc compounds

ZINC OXIDE

Preparing zinc oxide from drosses of a zinc plant. N. A. Sidorova and others. *Tsvet. metall.* no. 7:248-253, '67.

Some data on the resolving capacity of electrographic layers from zinc oxide. L. V. Dubovych, Zhur. nauch. i prikl. fiz. kim. 12, no. 2:97-101, Mr. Ap '67.

ZINC PLATING

Certain regularities in the electrodepositon of zinc plating from polyethylene polyaniline electrolytes. A. V. Rabinovich, N. R. Bokorev. *Zashch. met.* 3, no. 3:334-339, My-Ju '67.

ZINC PLATING—EQUIPMENT AND SUPPLIES

Vertical bath for hot zinc plating. A. P. Medvedev. *Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 20, no. 5:33-34, My '67.

ZINC SULFIDE CRYSTALS

Electroluminescence of large zinc sulfide crystals. I. V. Bochkov and others. *Opt. i spekt.* 22, no. 4:576-579, Ap '67.

Luminescence of lead-activated zinc sulfide. E. I. Boev, A. V. Mikhalev, G. D. Guseva. *Opt. i spekt.* 22, no. 4:662-663, Ap '67.

Recombination radiation from zinc sulfide. I. V. Bochkov and others. *Opt. i spekt.* 22, no. 4:655-656, Ap '67.

ZINC SULFIDE CRYSTALS—SPECTRA

Photoconductivity of zinc sulfide polycrystalline layers of various modifications. K. V. Shalimova, I. A. Karetinova, N. K. Morozova. *Izv. vys. ucheb. zav. fiz.* no. 4:102-104, '67.

ZIRABULAK MOUNTAINS—PHOSPHORITE

Presence of phosphorites in Mesozoic and Cenozoic deposits of the Zirabulak Mountains. N. M. Miralimova, E. I. Otakuziev. *Dokl. AN Uz SSR* 23, no. 8:33-35, '66.

ZIRCON see subdivision under Kokchetav Upland

ZIRCONIUM—ANALYSES

Complexometric microdetermination of chromium and zirconium in leather by "buretleless titration." V. A. Dukhota, P. N. Fedoseev. *Izv. vys. ucheb. zav. tekhn. i leg. prom.* no. 2:76-80, '67.

Determination of zirconium with xylenol orange in samples containing niobium and tantalum. A. N. Nevzerov, Z. G. Gananova. *Zav. lab.* 33, no. 3:285-286, '67.

Differential photometric determination of zirconium in alloys. L. S. Mustafin, V. S. Shchukina. *Zav. lab.* 33, no. 3:294-295, '67.

Volumetric-complexometric determination of the amount of zirconium and chromium in leathers. V. L. Votsekbovskii, I. M. Fedorova. *Kozh.-obuv. prom.* 9, no. 4:18-19, Ap '67.

ZIRCONIUM—CORROSION

Effect of annealing at 600° on anodic behavior of pure zirconium in hydrochloric acid. L. N. Ilyagin. *Izv. Vses. nauch. issled. inst. tsvet. metall.* 47, no. 3:360-361, My-Ju '67.

ZIRCONIUM ALLOYS

Zirconium alloys with niobium and vanadium. M. V. Raevskaya and others. *Vest. Mosk. un. Ser. 2 Khim.* 22, no. 2:58-62, Mr.-Ap '67.

ZIRCONIUM-MOLYBDENUM-IRON ALLOYS

Decomposition of β -solid solution of zirconium-molybdenum-iron alloy. L. A. Petrova, L. P. Glinkova. *Izv. AN SSSR Neorg. mat.* 3, no. 6:824-831, My '67.

ZIRCONIUM-NIOBIUM ALLOYS see Niobium-zirconium alloys

ZIRCONIUM-TANTALUM ALLOYS

New corrosion-resistant zirconium-tantalum alloys. V. V. Andreeva and others. *Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 20, no. 6:14-16, My '67.

ZONE MELTING

Musk ambrette purification by means of zone melting. A. I. Golovin and others. *Vest. Mosk. un. Ser. 2 Khim.* 22, no. 2:30-43, Mr.-Ap '67.

ZOOGEOGRAPHY

Brief news. *Blud. MOIP Otd. biol.* 72, no. 2:144-149, Mr.-Ap '67.

ZOOGEOGRAPHY—CONGRESSES

Fourth interuniversity conference on zoogeography. A. G. Voronov. *Vest. Mosk. un. Ser. 5 Geog.* 22, no. 2:150-151, Mr.-Ap '67.

ZOOLOGY—CLASSIFICATION

New research methods in animal classification. S. G. Klusova. *Uzb. biol. zhur.* 11, no. 2:40-52, '67.

ZOONOSES see subdivision under Kara Kum

ZOOPLANKTON see subdivision under Ural River; White Sea

ZYBAZ OIL FIELD—PETROLEUM PRODUCTION, THERMAL

Determining economic effectiveness of steam heat treatment of formation. V. A. Bragin, E. N. Beshostan, A. H. Garushev. *Nefteprom. deto* no. 3:27-33, '67.

